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Chapter 2: Current and Projected Population and Water Demand 2026 Initially Prepared Plan

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East Texas Regional Water Planning Group

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Chapter 2. Current and Projected Population and Water Demand

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Appendix 2-C: Historical Estimates for Utility Water User Group in Region I



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LIST OF ABBREVIATIONS

ABBREVIATION	DESCRIPTION
ac-ft/yr	acre-feet per year
EIA	Energy Information Administration
ETRWPA	East Texas Regional Water Planning Area
ETRWPG	East Texas Regional Water Planning Group
FWSD	Fresh Water Supply District
GPCD	Gallons Per Capita Per Day
LNVA	Lower Neches Valley Authority
MUD	Municipal Utility District
MWD	Municipal Water District
MWP	Major Water Provider
NTMWD	North Texas Municipal Water District
POA	Property Owner Associations
RWP	Regional Water Planning
SUD	Special Utility District
TDC	Texas Demographic Center
TDCJ	Texas Department of Criminal Justice
TPWD	Texas Parks and Wildlife
TWDB	Texas Water Development Board
WCID	Water Control and Improvements District
WMS	Water Management Strategy
WSC	Water Supply Corporation
WUG	Water User Group
WWP	Wholesale Water Provider

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2 CURRENT AND PROJECTED POPULATION AND WATER DEMAND

Water demand projections, which consists of municipal and non-municipal demand, are a key component of water planning within the East Texas Regional Water Planning Area (ETRWPA). This chapter documents the methodologies and results of those demand projections. Municipal demand is estimated in part, based on population projections for the region. Non-municipal demand encompasses manufacturing, irrigation, steam electric power, livestock, and mining water use categories. The ETWRPA includes 208 municipal water user groups (WUGs) and 100 non-municipal WUGs for a total of 308. This chapter also covers water sales between water user groups (WUGs) and demand projections for Major Water Providers (MWP).

2.1 METHODOLOGY FOR UPDATING DEMANDS

For the 2026 Regional Water Plan (2026 Plan), the Texas Water Development Board (TWDB) provided initial population and demand projections (i.e., draft projections) for water users in the region. The East Texas Regional Water Planning Group (ETRWPG) forwarded those projections to the respective entities within the ETWRPA for review. After reviewing the comments received from these entities, the projections were revised and adopted by the ETRWPG and the TWDB.

Municipal water demand projections were determined for each municipal WUG using population projections, baseline per capita use (gallons per capita per day – GPCD), and projected plumbing code savings. Population projections were based on county-level projections from the Texas Demographic Center (TDC), which used migration rates between the 2010 and 2020 decennial Census to project potential future growth. TWDB provided the ETRWPG two sets of WUG-level population projections, based on varying migration scenarios, to consider using for the ETWRPA: 1.0 migration (full net migration rates from 2010 to 2020) and 0.5 migration (half of the net migration rates from 2010 to 2020). As a conservative estimate for planning, the ETRWPG selected varying population migration scenarios at the county-level based on whichever migration scenario had a greater projection. The selected population migration scenario for each county were then applied to the respective WUGs within those counties, as shown in Appendix 2-A. -Baseline GPCDs for individual WUGs were determined based on an evaluation of historical, annual GPCDs that reflected water use during a characteristically dry year. Projected GPCDs accounted for projected reductions in demands associated with water conservation achieved through eventual compliance with plumbing codes. Plumbing code savings projections for individual WUGs were developed by TWDB.

Demands for non-municipal use categories were developed by TWDB with input from representatives of these areas. The TWDB provided initial projections of demand for the non-municipal use categories. These draft projections were evaluated by the ETRWPG through a detailed reviewed of historical usage data, the methodologies used to develop the projections, and comparisons between the 2026 and 2021 Plan projections.

The following changes were made to the TWDB’s initial municipal demand projections and are included in the 2026 Plan:

- Selected different population migration scenarios for each county;
- Adjusted baseline GPCDs to reflect more recently available water use data.
- Redistribution of population and demand projections between Angelina WSC and County-Other Areas within Angelina County.
- Increases in population and demand projections for Lumberton MUD and North Hardin WSC within Hardin County, and decreases in population and demand projection within Hardin County-Other to offset the requested changes in population in Nordin WSC.
- Redistribution of population and demand projections between Mauriceville MUD and County-



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Other Areas within Jasper, Angelina, Newton, and Orange Counties.

- Redistribution of population and demand projections between Huxley and County-Other Areas within Shelby County.
- Increases in population and demand projections for Tyler, and decreases in population and demand projection within Smith County-Other to offset a portion of the requested increases in Tyler within Smith County.

Correspondence related to these changes is provided in Appendix 2-B. A summary of historical population, net water use estimates, and historical GPCD estimates by county are presented in Appendix 2-C. A summary of population projections and water demands by county and basin are presented as TWDB DB27 reports in Appendix ES-A, Report 01.

The following changes were made to the TWDB's initial non-municipal demand projections and are included in the 2026 Plan:

- **Manufacturing Demands:** Projected demand was adjusted to include the estimated water use for new manufacturing facilities in a recalculated baseline demand projection for Angelina, Newton, Orange, and Smith counties. For Jefferson County, an alternate projection is recommended based on feedback from major water providers and analysis of trends in increased manufacturing water use over the last decade. No changes are proposed for all other counties in Region I.
- **Irrigation Demands:** Projected demand was adjusted to account for the greater demand of the TWDB draft 2026 RWP irrigation projections (2015-2019 average historical use) or the average historical use during the dry period from 2010-2014.
- **Steam Electric Power Demands:** Projected demand was adjusted to include a new steam electric power generating facility in Orange County.
- **Livestock Demands:** Projected demand was adjusted to reflect the maximum historical livestock use, by county, between 2015-2019, rather than the average use during that same period. Additionally, it is recommended to factor in Texas Parks and Wildlife (TPWD) contracts with the LNVA for 10,000 acre-feet per year (ac-ft/yr) in both Jasper and Nacogdoches counties for all decades into the livestock demand projections.
- **Mining Demands:** No change was recommended by the ETRWPG.

Following this section is a discussion of population growth and municipal water demand presented by county. In addition, discussion of anticipated water demands for the various non-municipal categories of water use is provided.

2.2 POPULATION GROWTH PROJECTIONS

The population in the ETRWPA is projected to increase from 1,126,375 in 2030 to 1,170,658 in 2080. The major centers of population (i.e., Angelina, Jefferson, Orange and Smith counties) comprise approximately 60% of the population throughout the entire planning period. The projection of population growth from 2030 to 2080 by county is presented on Figure 2-1. The expected annual change in population for each county, using average annual growth during the planning period, is presented on Figure 2-2. The largest change in percentage growth is expected in Nacogdoches, Polk, and Smith counties. The distribution of population by county and individual entity is provided in Table 2-1. A municipal WUG is defined as a privately-owned utility, state or federal water system, or retail public utility that provides more than 100 acre-feet per year; municipal water use not meeting this criterion is aggregated into a category referred to as "county-other" by county. The WUGs identified in Figure 2-1 meet these definitions; however, where a demand less than the 100 acre-feet per year threshold is shown, the WUG is split between counties



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within the region or split between regions within the State.

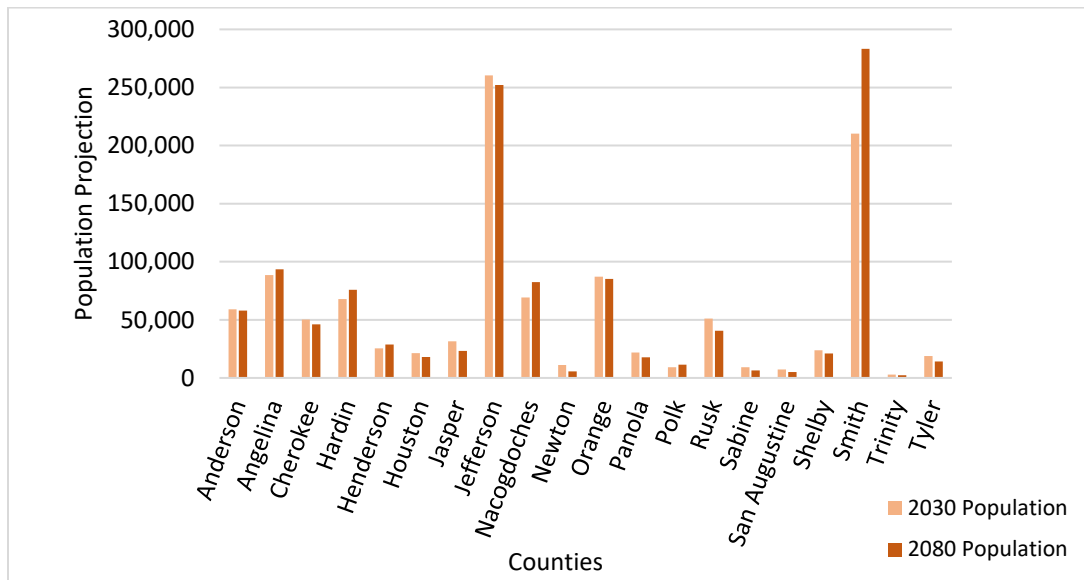


Figure 2-1. Population Projections for the East Texas Regional Water Planning Area by County (2030-2080)

SOURCE: TEXAS WATER DEVELOPMENT BOARD



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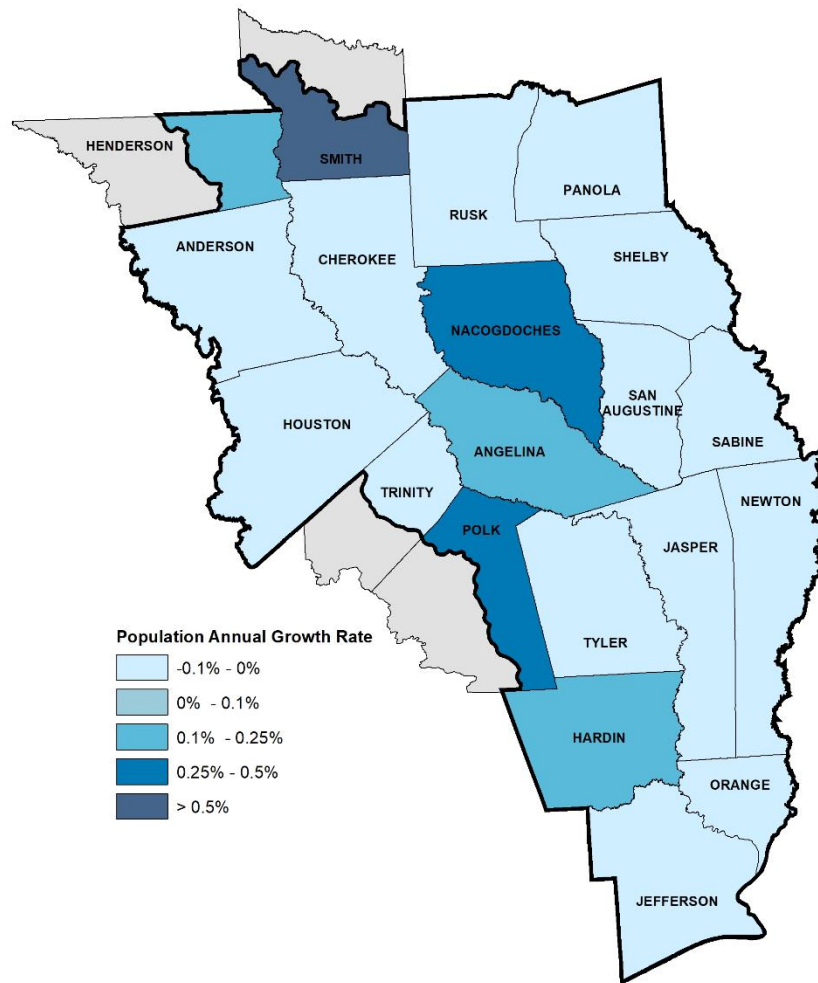


Figure 2-2. Population Annual Growth Rate

SOURCE: TEXAS WATER DEVELOPMENT BOARD



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Table 2-1. Population Projections for the East Texas Regional Water Planning Area by County

County/WUG	Population Projection					
ANDERSON	2030	2040	2050	2060	2070	2080
Four Pines WSC	3,351	3,351	3,319	3,287	3,256	3,223
Berryville	15	15	15	15	15	14
Slocum WSC	2,823	2,819	2,782	2,747	2,711	2,677
Neches WSC	1,226	1,224	1,208	1,193	1,177	1,162
County-Other, Anderson	4,595	4,423	4,283	4,038	3,766	3,476
Norwood WSC	977	976	964	952	940	927
Elkhart	1,796	1,795	1,774	1,752	1,732	1,711
TDCJ Coffield Michael	5,755	5,755	5,755	5,755	5,755	5,755
Brushy Creek WSC (c)	2,812	2,808	2,771	2,736	2,701	2,666
Frankston	1,001	1,000	987	974	962	949
Palestine	17,658	17,639	17,423	17,213	17,004	16,793
Walston Springs WSC	3,173	3,441	3,732	4,047	4,389	4,760
The Consolidated WSC	2,809	2,852	2,896	2,940	2,985	3,031
Anderson County Cedar Creek WSC	706	705	696	686	677	669
B B S WSC (c)	1,064	1,061	1,048	1,035	1,021	1,008
B C Y WSC	1,645	1,642	1,620	1,600	1,580	1,559
Frankston Rural WSC	1,563	1,561	1,540	1,521	1,502	1,482
Pleasant Springs WSC	900	899	887	876	866	854
TDCJ Beto Gurney and Powledge Units	4,311	4,311	4,311	4,311	4,311	4,311
Tucker WSC	967	966	953	941	929	917
ANDERSON COUNTY TOTAL	59,147	59,243	58,964	58,619	58,279	57,944
ANGELINA	2030	2040	2050	2060	2070	2080
Angelina WSC	3,845	3,913	3,941	3,979	4,017	4,052
Redland WSC	2,596	2,640	2,660	2,685	2,711	2,736
M and M WSC	3,205	3,262	3,284	3,317	3,348	3,379
Four Way SUD	5,220	5,309	5,348	5,399	5,452	5,501
Central WCID of Angelina County	6,016	6,124	6,181	6,242	6,303	6,364
Upper Jasper County Water Authority	249	248	248	248	248	248
Lufkin	40,845	41,558	41,880	42,290	42,694	43,097
Diboll	4,546	4,630	4,680	4,728	4,776	4,823
County-Other, Angelina	4,984	5,072	5,124	5,175	5,226	5,277
Hudson WSC	10,407	10,587	10,667	10,771	10,873	10,975
Huntington	2,117	2,154	2,172	2,193	2,214	2,235
Zavalla	688	699	705	711	717	725
Pollok-Redtown WSC	1,786	1,816	1,830	1,848	1,866	1,884
Woodlawn WSC	2,130	2,167	2,182	2,205	2,226	2,246



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County/WUG	Population Projection					
ANGELINA COUNTY TOTAL	88,634	90,179	90,902	91,791	92,671	93,542
CHEROKEE	2030	2040	2050	2060	2070	2080
Jacksonville	13,352	13,218	12,975	12,705	12,435	12,165
Alto	940	930	914	892	873	852
Alto Rural WSC	4,021	4,398	4,813	5,275	5,786	6,353
Bullard	375	371	365	356	349	340
Gum Creek WSC	1,106	1,095	1,073	1,050	1,025	1,001
Rusk Rural WSC	3,378	3,353	3,301	3,240	3,182	3,126
Craft Turney WSC	4,720	4,671	4,580	4,478	4,377	4,274
County-Other, Cherokee	3,903	3,340	2,644	1,874	1,046	153
North Cherokee WSC	3,995	3,952	3,875	3,789	3,704	3,616
Walnut Grove WSC	81	81	79	78	76	74
New Summerfield	910	900	883	863	844	824
West Jacksonville WSC	1,605	1,588	1,556	1,523	1,487	1,453
Afton Grove WSC	1,439	1,477	1,518	1,562	1,608	1,657
Wells	793	838	886	937	993	1,054
Rusk	5,226	5,252	5,265	5,272	5,291	5,322
Troup	59	58	57	56	55	53
Southern Utilities (c)	3,372	3,336	3,271	3,198	3,126	3,053
Wright City WSC	325	320	314	308	300	294
Blackjack WSC	515	509	499	488	477	465
Pollok-Redtown WSC	75	74	74	72	70	68
South Rusk County WSC	27	28	26	27	23	23
CHEROKEE COUNTY TOTAL	50,217	49,789	48,968	48,043	47,127	46,220
HARDIN	2030	2040	2050	2060	2070	2080
Lake Livingston WSC	146	146	144	140	137	134
County-Other, Hardin	9,607	8,776	7,756	6,439	5,101	3,732
Kountze	2,141	2,129	2,103	2,057	2,010	1,965
Silsbee	7,825	8,260	8,719	9,203	9,714	10,253
Wildwood POA	625	620	612	598	584	570
Lumberton MUD	33,189	40,689	47,439	46,337	45,245	44,174
Sour Lake	1,580	1,570	1,549	1,514	1,478	1,444
West Hardin WSC (c)	3,736	3,712	3,664	3,579	3,496	3,414
North Hardin WSC	8,016	8,228	8,445	8,668	8,896	9,131
Hardin County WCID 1	985	1,003	1,021	1,039	1,058	1,077
HARDIN COUNTY TOTAL	67,850	75,133	81,452	79,574	77,719	75,894
HENDERSON	2030	2040	2050	2060	2070	2080



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County/WUG	Population Projection					
Berryville	727	697	752	757	762	766
Brownsboro	1,285	1,395	1,377	1,419	1,461	1,503
Brushy Creek WSC (c)	30	31	30	30	30	30
Frankston	35	39	38	40	41	43
County-Other, Henderson	9,030	8,469	7,638	6,482	4,988	3,076
Bethel Ash WSC (c)	2,752	2,773	2,885	2,932	2,978	3,022
Leaguelville WSC	2,230	2,374	2,374	2,438	2,502	2,566
Chandler	4,095	5,045	6,216	7,658	9,435	11,624
Athens	210	213	211	211	211	211
Murchison	576	567	600	607	613	619
Virginia Hill WSC (c)	1,693	1,752	1,788	1,827	1,865	1,903
R P M WSC	415	458	446	461	476	491
Edom WSC	262	284	280	289	297	306
Moore Station WSC	2,134	2,307	2,283	2,352	2,421	2,489
HENDERSON COUNTY TOTAL	25,474	26,404	26,918	27,503	28,080	28,649
HOUSTON	2030	2040	2050	2060	2070	2080
Grapeland	1,336	1,363	1,401	1,417	1,433	1,450
Lovelady	483	463	443	433	425	417
County-Other, Houston	2,689	1,931	1,362	835	396	6
Crockett	6,099	5,743	5,184	5,032	4,827	4,583
TDCJ Eastham Unit	2,464	2,464	2,464	2,464	2,464	2,464
The Consolidated WSC	7,723	8,034	8,364	8,541	8,692	8,837
Pennington WSC (c)	427	387	329	310	285	260
HOUSTON COUNTY TOTAL	21,221	20,385	19,547	19,032	18,522	18,017
JASPER	2030	2040	2050	2060	2070	2080
Jasper	7,339	6,997	6,577	6,198	5,821	5,452
Jasper County WCID 1	1,968	1,960	1,969	1,996	2,052	2,146
Kirbyville	2,015	2,009	2,018	2,048	2,106	2,205
Rural WSC	1,074	1,019	953	893	833	774
Upper Jasper County Water Authority	3,590	3,411	3,188	2,990	2,793	2,596
County-Other, Jasper	11,288	10,484	9,474	8,506	7,479	6,355
Brookeland FWSD	289	274	256	239	224	207
Mauriceville SUD	148	152	149	143	135	127
Rayburn Country MUD	825	783	732	687	641	596
South Jasper County WSC	2,180	2,069	1,934	1,814	1,693	1,573
South Kirbyville Rural WSC	901	932	972	1,023	1,092	1,186
JASPER COUNTY TOTAL	31,617	30,090	28,222	26,537	24,869	23,217



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County/WUG	Population Projection					
JEFFERSON	2030	2040	2050	2060	2070	2080
Port Arthur	47,614	48,091	47,961	47,383	46,812	46,249
Beaumont	126,810	130,315	133,916	132,179	130,458	128,755
China	980	990	988	976	964	952
Jefferson County WCID 10	3,939	3,978	3,968	3,919	3,872	3,825
County-Other, Jefferson	13,678	11,655	7,478	6,824	6,184	5,529
Meeker MWD	2,598	2,624	2,616	2,585	2,553	2,524
Bevil Oaks	1,039	1,049	1,047	1,035	1,021	1,009
Nederland	19,417	19,612	19,557	19,321	19,088	18,859
Federal Correctional Complex Beaumont	4,514	4,514	4,514	4,514	4,514	4,514
Groves	16,971	16,971	16,971	16,971	16,971	16,971
Port Neches	13,887	14,027	13,988	13,819	13,652	13,487
Trinity Bay Conservation District	208	210	209	211	204	204
West Jefferson County MWD	8,182	8,232	8,306	8,407	8,511	8,618
Nome	513	519	516	511	504	498
JEFFERSON COUNTY TOTAL	260,350	262,787	262,035	258,655	255,308	251,994
NACOGDOCHES	2030	2040	2050	2060	2070	2080
Nacogdoches	36,389	37,462	38,422	39,870	41,314	42,756
Appleby WSC	3,646	3,766	3,876	4,060	4,242	4,421
Garrison	862	889	911	948	985	1,020
Lilly Grove SUD	2,461	2,541	2,614	2,736	2,856	2,975
County-Other, Nacogdoches	6,209	6,414	6,603	6,917	7,226	7,530
Woden WSC	2,211	2,283	2,349	2,461	2,571	2,679
D and M WSC	7,496	7,743	7,968	8,346	8,720	9,086
Swift WSC	2,556	2,641	2,717	2,848	2,975	3,100
Cushing	792	819	842	882	922	960
Melrose WSC	2,482	2,564	2,638	2,764	2,886	3,009
Caro WSC	2,567	2,652	2,729	2,859	2,987	3,112
Etoile WSC	1,450	1,497	1,541	1,614	1,686	1,757
NACOGDOCHES COUNTY TOTAL	69,121	71,271	73,210	76,305	79,370	82,405
NEWTON	2030	2040	2050	2060	2070	2080
Newton	1,506	1,371	1,223	1,087	956	832
South Newton WSC	1,641	1,483	1,312	1,157	1,004	858
Bon Wier WSC	418	363	305	252	200	147
County-Other, Newton	6,641	5,952	5,228	4,571	3,924	3,276
Brookeland FWSD	395	357	316	279	242	206
Mauriceville SUD	468	468	439	397	349	298
South Kirbyville Rural WSC	124	111	98	87	75	64



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County/WUG	Population Projection					
NEWTON COUNTY TOTAL	11,193	10,105	8,921	7,830	6,750	5,681
ORANGE	2030	2040	2050	2060	2070	2080
Bridge City	11,861	12,737	12,855	13,221	13,562	13,878
Orange	20,001	20,422	20,510	20,303	20,096	19,889
Pinehurst	2,119	2,162	2,171	2,148	2,125	2,102
South Newton WSC	1,321	1,351	1,357	1,344	1,331	1,318
Orange County WCID 2	3,082	3,067	3,072	2,978	2,887	2,799
Orange County WCID 1	12,233	11,685	11,655	10,896	10,170	9,475
County-Other, Orange	17,181	16,091	14,664	12,692	10,659	8,472
Orangefield WSC	7,386	8,448	9,662	11,051	12,640	14,457
Kelly G Brewer	1,091	1,100	1,104	1,081	1,059	1,037
Mauriceville SUD	10,790	11,416	11,769	11,869	11,836	11,737
ORANGE COUNTY TOTAL	87,065	88,479	88,819	87,583	86,365	85,164
PANOLA	2030	2040	2050	2060	2070	2080
Carthage	6,237	6,186	6,098	5,982	5,870	5,760
Gill WSC	561	525	477	445	413	381
County-Other, Panola	11,269	10,919	10,340	9,924	9,492	9,046
Beckville	654	581	519	466	421	383
Elysian Fields WSC	39	41	42	45	46	46
Tatum	173	134	104	80	61	46
Panola-Bethany WSC (c)	725	646	579	522	473	432
Clayton WSC	188	206	228	238	249	260
Minden Brachfield WSC	114	136	165	181	197	212
Deberry WSC	477	420	345	299	253	206
Hollands Quarter WSC	928	888	836	797	758	721
Rehobeth WSC	544	492	423	378	333	290
PANOLA COUNTY TOTAL	21,909	21,174	20,156	19,357	18,566	17,783
POLK	2030	2040	2050	2060	2070	2080
Corrigan	1,409	1,519	1,572	1,630	1,688	1,744
Lake Livingston WSC	1,115	1,205	1,250	1,298	1,346	1,392
County-Other, Polk	4,062	4,388	4,548	4,724	4,897	5,071
Damascus-Stryker WSC	1,544	1,668	1,729	1,797	1,862	1,927
Moscow WSC (c)	590	636	660	686	711	735
Leggett WSC	14	15	16	16	17	17
Chester WSC	289	312	323	336	348	360
Soda WSC	150	162	169	175	182	188
POLK COUNTY TOTAL	9,173	9,905	10,267	10,662	11,051	11,434



Chapter 2. Current and Projected Population and Water Demand

County/WUG	Population Projection					
	2030	2040	2050	2060	2070	2080
RUSK						
Elderville WSC	1,497	1,451	1,378	1,296	1,215	1,133
Garrison	4	4	3	3	3	3
Kilgore	3,657	3,550	3,377	3,183	2,990	2,796
New London	786	762	725	682	641	598
Overton (c)	1,960	1,902	1,810	1,707	1,604	1,502
Southern Utilities (c)	408	396	375	353	331	307
Cross Roads SUD (c)	2,814	2,924	3,048	3,195	3,363	3,556
Wright City WSC	155	151	143	135	126	118
Chalk Hill SUD (c)	2,772	2,686	2,551	2,399	2,247	2,095
Crystal Farms WSC	1,349	1,482	1,634	1,812	2,016	2,255
County-Other, Rusk	9,261	8,359	6,944	5,234	3,412	1,454
Gaston WSC	1,339	1,298	1,232	1,159	1,086	1,013
Jacobs WSC	2,645	2,803	2,980	3,187	3,421	3,691
Mt Enterprise WSC	1,392	1,349	1,281	1,204	1,128	1,052
Tatum	1,329	1,288	1,223	1,151	1,078	1,005
West Gregg SUD	87	106	132	163	204	255
Ebenezer WSC	717	696	660	620	581	542
Henderson	12,409	12,285	12,208	12,198	12,237	12,334
Goodsprings WSC	2,261	2,191	2,081	1,957	1,833	1,709
Minden Brachfield WSC	1,884	1,827	1,735	1,633	1,529	1,425
New Prospect WSC	942	911	866	815	763	711
South Rusk County WSC	1,356	1,314	1,249	1,174	1,100	1,025
RUSK COUNTY TOTAL	51,024	49,735	47,635	45,260	42,908	40,579
SABINE						
Hemphill	982	903	830	787	746	706
Pineland	898	818	746	702	659	615
G M WSC	5,503	5,013	4,562	4,290	4,021	3,753
Brookeland FWSD	514	469	425	402	376	351
New WSC	66	59	54	50	48	45
County-Other, Sabine	1,262	1,153	1,054	995	935	878
SABINE COUNTY TOTAL	9,225	8,415	7,671	7,226	6,785	6,348
SAN AUGUSTINE						
San Augustine	1,817	1,731	1,682	1,655	1,654	1,689
G M WSC	160	155	151	144	137	129
Choice WSC	18	16	15	13	12	12
New WSC	1,253	1,128	1,020	948	876	808



Chapter 2. Current and Projected Population and Water Demand

County/WUG	Population Projection					
County-Other, San Augustine	2,261	1,748	1,292	1,053	798	512
Sand Hills WSC	34	41	48	48	47	47
San Augustine Rural WSC	1,587	1,736	1,840	1,799	1,752	1,699
Denning WSC	192	173	156	145	134	123
SAN AUGUSTINE COUNTY TOTAL	7,322	6,728	6,204	5,805	5,410	5,019
SHELBY						
SHELBY	2030	2040	2050	2060	2070	2080
Center	4,764	4,690	4,574	4,459	4,344	4,233
Joaquin	586	469	379	299	236	187
County-Other, Shelby	9,059	9,115	8,906	8,668	8,346	7,943
Huxley	1,599	1,367	1,180	1,028	903	801
Tenaha	817	725	595	505	412	317
Timpson	865	765	623	526	427	324
Choice WSC	798	853	921	1,000	1,094	1,207
East Lamar WSC	755	806	870	945	1,033	1,140
Five Way WSC	1,171	1,180	1,188	1,184	1,181	1,178
Flat Fork WSC	525	437	366	300	247	202
New WSC	59	69	82	90	98	108
Sand Hills WSC	1,753	1,998	2,336	2,536	2,746	2,966
McClelland WSC	946	846	701	601	500	393
SHELBY COUNTY TOTAL	23,697	23,320	22,721	22,141	21,567	20,999
SMITH						
SMITH	2030	2040	2050	2060	2070	2080
Arp	821	752	703	638	575	513
Bullard	4,169	4,827	5,286	5,713	6,129	6,535
Jackson WSC (c)	2,720	2,940	3,095	3,216	3,335	3,452
Lindale Rural WSC	3,067	3,302	3,468	3,595	3,720	3,842
Overton (c)	31	33	34	36	36	37
County-Other, Smith (c)	10,055	8,963	7,989	7,121	6,348	5,658
Southern Utilities (c)	40,550	43,682	45,885	47,577	49,237	50,867
Whitehouse	7,404	7,494	7,561	7,506	7,457	7,412
Tyler (c)	118,744	133,041	149,059	157,803	167,059	176,859
R P M WSC	72	62	55	46	38	30
Liberty Utilities Silverleaf Water	655	779	865	947	1,027	1,105
Wright City WSC	1,324	1,370	1,418	1,468	1,519	1,572
Ben Wheeler WSC	28	34	38	42	45	48
Emerald Bay MUD	1,029	1,084	1,122	1,166	1,166	1,166
Carroll WSC	668	742	794	838	882	925
Walnut Grove WSC	10,389	11,137	11,663	12,055	12,440	12,818
Dean WSC	4,592	4,947	5,197	5,389	5,577	5,761



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County/WUG	Population Projection					
Troup	2,002	2,072	2,122	2,142	2,162	2,182
Lindale	1,641	1,698	1,738	1,754	1,770	1,787
Crystal Systems Texas	422	494	544	590	636	680
SMITH COUNTY TOTAL	210,383	229,453	248,636	259,642	271,158	283,249
TRINITY	2030	2040	2050	2060	2070	2080
Groveton	340	301	254	219	183	145
Centerville WSC	633	566	489	432	373	310
Pennington WSC (c)	189	152	127	106	88	74
County-Other, Trinity (c)	1,783	1,738	1,708	1,703	1,699	1,698
TRINITY COUNTY TOTAL	2,945	2,757	2,578	2,460	2,343	2,227
TYLER	2030	2040	2050	2060	2070	2080
Tyler County SUD	3,104	2,970	2,859	2,778	2,703	2,639
Seneca WSC	738	699	662	637	612	588
County-Other, Tyler	6,478	5,523	4,575	3,763	2,910	1,989
Warren WSC	2,064	2,064	2,064	2,064	2,064	2,064
Moscow WSC (c)	21	27	35	41	46	53
Chester WSC	593	518	439	381	318	253
Wildwood POA	400	366	332	307	282	255
Cypress Creek WSC	522	462	410	365	326	294
Woodville	4,200	4,404	4,643	4,903	5,205	5,563
Colmesneil	688	661	638	622	607	595
TYLER COUNTY TOTAL	18,808	17,694	16,657	15,861	15,073	14,293
TOTAL FOR ETRWPA	1,126,375	1,153,046	1,170,483	1,169,886	1,169,921	1,170,658
<p>Abbreviations: ETRWPA = East Texas Regional Water Planning Group FWSD = Fresh Water Supply District MUD = municipal utility district MWD = municipal water district POA = Property Owner Associations SUD = special utility district TDCJ = Texas Department of Criminal Justice WCID = Water Control & Improvement District WSC = water supply corporation WUG = water user group</p>						
<p>Notes: (a) Historical WUG population data was retrieved from municipal supporting data on the TWDB’s website in a spreadsheet titled “Historical Population & GPCD for WUGs.” County-Other population data was also retrieved from the same location in a spreadsheet titled “Historical Population & GPCD for County-Other Rural Areas.” (b) These counties are split between more than one TWDB regional water planning area. The populations shown represent the portion that fall within the East Texas Regional Water Planning Area (ETRWPA). (c) These WUGS are split between more than one county. The population shown represents the portion that falls within the county indicated.</p>						
<p>Sources: 1. Population projection provided by Texas Water Development Board.</p>						



Chapter 2. Current and Projected Population and Water Demand

2.3 WATER DEMANDS

In the current round of planning, the total water demand in the ETRWPA is expected to increase from 755,106 ac-ft per year in 2030 to 987,594 ac-ft per year in 2080. These projections represent a 5% decrease in projected demand in 2030 and a 12% increase in projected demand in 2070 compared to the same planning horizon presented in the 2021 Plan which had a demand of 793,495 ac-ft per year in 2023 and 839,601 ac-ft per year in 2080. Table 2-2 shows a summary of the water usage by water use category for each decade of the planning period and Table 2-3 shows the projected change within each category and each category's contribution to the total demand. Details of each water use category are provided in subsequent sections. Figure 2.3 presents the water usage in the east Texas regional water planning area by use category.

Table 2-2. Summary of Water Usage Projections for the East Texas Regional Water Planning Area by Use Category and Decade (ac-ft/yr)

Water Use Category	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
Total for ETRWPA	755,106	803,748	852,417	897,825	942,672	987,594

SOURCE: TEXAS WATER DEVELOPMENT BOARD

Table 2-3. Demand Projection Percentages for the East Texas Regional Water Planning Area by Category

Water User Category	Percent Change in Demand 2030 to 2080	Percent of Total ETRWPA Demand	
		2030	2080
Municipal	7%	28%	23%
Manufacturing	59%	48%	58%
Mining	5%	1%	1%
Steam Electric Power	0%	6%	4%
Livestock	15%	4.0%	4%
Irrigation	0%	13%	10%

SOURCE: TEXAS WATER DEVELOPMENT BOARD



Chapter 2. Current and Projected Population and Water Demand

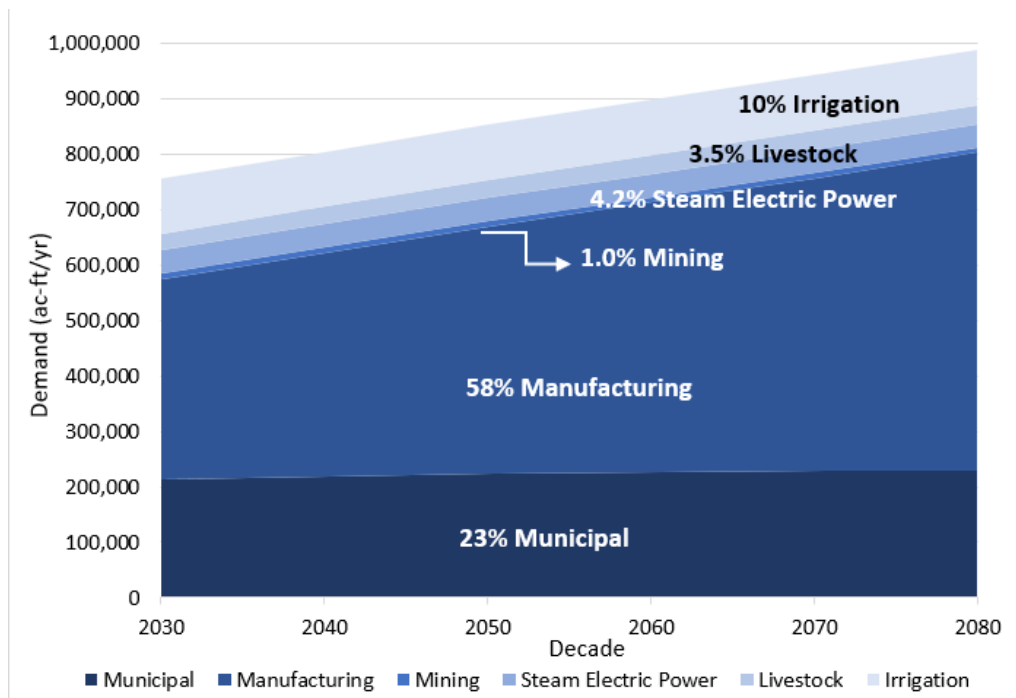


Figure 2-3. Water Usage in the East Texas Regional Water Planning Area by Use Category

SOURCE: TEXAS WATER DEVELOPMENT BOARD

2.3.1 Municipal Demands

Municipal water use includes single and multi-family residential use and use from non-residential establishments (commercial, institutional, light industrial). It does not include water used by industry, such as manufacturing plants, power generating facilities, and mining operations, which are accounted for under their associated non-municipal demand categories. Municipal water demand projections are estimated by multiplying the projected population of an entity by the baseline dry year GPCD estimates less water efficiency (plumbing code) savings.

Table 2-4 provides a summary of the calculated municipal use by entities in the ETRWPA. A summary of net water use estimates and historical GPCD estimates by county are presented in Appendix 2-C. The projected changes in municipal water demands are presented in Table 2-5.

Municipal water use is expected to grow from 214,040 ac-ft per year in 2030 to 229,673 ac-ft per year to 2080. This represents an approximate 7.3% increase in municipal water demand over the planning horizon. The average annual percent increase in each county for municipal demand over the planning period is represented in Table 2-5. Counties with the most growth in municipal demand include Cherokee, Polk, and Smith counties.

Compared to the last round of planning, the municipal demand projections in 2030 this round show an increase of approximately 7% compared to the 2021 Plan, which showed a projected municipal demand of 199,870 ac-ft per year in 2030. Subsequently, the projections from this Plan gradually decrease to approximately 6% lower than the projected municipal demand presented in the 2021 Plan, which showed a projected demand of 243,611 ac-ft per year in 2070.



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Figure 2-4 presents the projected demand by decade for Jefferson and Smith counties compared to the remaining 18 counties in the ETRWPA labeled as “Other” because these two counties account for more than 50% of the total population in the region. The remaining 18 counties are presented in Figure 2.5. The average annual projected growth for municipal water use is shown on Figure 2-6. Additional details on WUG demand projections by county and river basin are provided in Appendix ES-A, Report 02.

Table 2-4. Historical Water Use and Projected Municipal Water Demand in the East Texas Regional Water Planning Area by County (ac-ft/yr)

County/WUG	Municipal Demand Projection					
	2030	2040	2050	2060	2070	2080
ANDERSON						
Four Pines WSC	298	296	293	290	287	284
Berryville	2	2	2	2	2	2
Slocum WSC	325	323	318	314	310	306
Neches WSC	156	154	152	151	149	147
County-Other, Anderson	620	593	574	542	505	466
Norwood WSC	150	149	147	145	144	142
Elkhart	304	303	299	296	292	289
TDCJ Coffield Michael	3,469	3,465	3,465	3,465	3,465	3,465
Brushy Creek WSC (c)	430	427	422	416	411	406
Frankston	212	211	208	205	203	200
Palestine	5,717	5,699	5,629	5,561	5,494	5,425
Walston Springs WSC	461	497	539	585	634	688
The Consolidated WSC	477	482	489	497	505	512
Anderson County Cedar Creek WSC	114	114	112	110	109	108
B B S WSC (c)	138	137	135	133	132	130
B C Y WSC	264	262	258	255	252	249
Frankston Rural WSC	236	234	231	228	225	222
Pleasant Springs WSC	194	194	191	189	187	184
TDCJ Beto Gurney and Powledge Units	1,741	1,738	1,738	1,738	1,738	1,738
Tucker WSC	130	129	127	126	124	122
ANDERSON COUNTY TOTAL	15,438	15,409	15,329	15,248	15,168	15,085
ANGELINA						
Angelina WSC	355	359	361	365	368	372
Redland WSC	201	203	205	207	209	211
M and M WSC	260	262	264	267	269	272
Four Way SUD	435	439	443	447	451	455
Central WCID of Angelina County	620	631	637	643	650	656
Upper Jasper County Water Authority	29	29	29	29	29	29
Lufkin	6,592	6,674	6,726	6,792	6,857	6,922
Diboll	683	693	700	707	714	721
County-Other, Angelina	538	545	551	556	562	567
Hudson WSC	1,003	1,020	1,028	1,038	1,047	1,057
Huntington	261	264	266	269	271	274
Zavalla	102	103	104	104	105	107
Pollok-Redtown WSC	197	199	200	202	204	206
Woodlawn WSC	242	245	246	249	251	254
ANGELINA COUNTY TOTAL	11,518	11,666	11,760	11,875	11,987	12,103



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CHEROKEE	2030	2040	2050	2060	2070	2080
Jacksonville	2,576	2,541	2,494	2,442	2,390	2,338
Alto	218	215	211	206	202	197
Alto Rural WSC	941	1,026	1,123	1,231	1,350	1,482
Bullard	90	89	87	85	83	81
Gum Creek WSC	103	101	99	97	95	92
Rusk Rural WSC	331	326	321	315	310	304
Craft Turney WSC	635	626	613	600	586	572
County-Other, Cherokee	435	370	293	208	116	17
North Cherokee WSC	472	465	456	446	436	425
Walnut Grove WSC	10	10	9	9	9	9
New Summerfield	113	111	109	106	104	101
West Jacksonville WSC	231	227	222	218	213	208
Afton Grove WSC	214	219	225	231	238	245
Wells	124	130	138	146	155	164
Rusk	855	856	858	859	863	868
Troup	11	11	11	11	11	10
Southern Utilities (c)	652	642	630	616	602	588
Wright City WSC	47	46	46	45	43	43
Blackjack WSC	102	100	98	96	94	92
Pollok-Redtown WSC	8	8	8	8	8	7
South Rusk County WSC	5	5	5	5	4	4
CHEROKEE COUNTY TOTAL	8,173	8,124	8,056	7,980	7,912	7,847
HARDIN	2030	2040	2050	2060	2070	2080
Lake Livingston WSC	10	10	10	9	9	9
County-Other, Hardin	1,098	997	881	732	580	424
Kountze	248	245	242	237	231	226
Silsbee	1,001	1,051	1,109	1,171	1,236	1,305
Wildwood POA	118	117	116	113	110	108
Lumberton MUD	3,329	4,054	4,727	4,617	4,508	4,401
Sour Lake	296	293	289	282	276	269
West Hardin WSC (c)	385	383	378	369	360	352
North Hardin WSC	539	553	568	583	598	614
Hardin County WCID 1	130	131	134	136	139	141
HARDIN COUNTY TOTAL	7,154	7,834	8,454	8,249	8,047	7,849
HENDERSON	2030	2040	2050	2060	2070	2080
Berryville	95	90	97	98	99	99
Brownsboro	246	267	263	271	279	288
Brushy Creek WSC (c)	5	5	5	5	5	5
Frankston	7	8	8	8	9	9
County-Other, Henderson	789	736	664	563	433	267
Bethel Ash WSC (c)	269	270	281	285	290	294
Leagueville WSC	229	242	242	249	255	262
Chandler	676	831	1,023	1,261	1,553	1,914
Athens	42	42	42	42	42	42
Murchison	110	108	114	115	116	118



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Virginia Hill WSC (c)	202	208	212	217	221	226
R P M WSC	63	69	67	70	72	74
Edom WSC	35	38	37	38	39	40
Moore Station WSC	382	412	408	420	433	445
HENDERSON COUNTY TOTAL	3,150	3,326	3,463	3,642	3,846	4,083
HOUSTON						
HOUSTON	2030	2040	2050	2060	2070	2080
Grapeland	225	228	235	237	240	243
Lovelady	109	105	100	98	96	94
County-Other, Houston	453	324	229	140	66	1
Crockett	1,080	1,014	915	888	852	809
TDCJ Eastham Unit	1,090	1,088	1,088	1,088	1,088	1,088
The Consolidated WSC	1,311	1,358	1,414	1,444	1,469	1,494
Pennington WSC (c)	71	64	54	51	47	43
HOUSTON COUNTY TOTAL	4,339	4,181	4,035	3,946	3,858	3,772
JASPER						
JASPER	2030	2040	2050	2060	2070	2080
Jasper	1,777	1,689	1,587	1,496	1,405	1,316
Jasper County WCID 1	208	206	207	209	215	225
Kirbyville	407	404	406	412	424	443
Rural WSC	106	100	94	88	82	76
Upper Jasper County Water Authority	419	396	370	347	324	301
County-Other, Jasper	1,137	1,049	948	851	748	636
Brookeland FWSD	45	42	40	37	35	32
Mauriceville SUD	10	10	10	10	9	9
Rayburn Country MUD	278	264	247	231	216	201
South Jasper County WSC	215	203	190	178	166	154
South Kirbyville Rural WSC	90	93	97	102	109	118
JASPER COUNTY TOTAL	4,692	4,456	4,196	3,961	3,733	3,511
JEFFERSON						
JEFFERSON	2030	2040	2050	2060	2070	2080
Port Arthur	18,309	18,454	18,405	18,183	17,964	17,748
Beaumont	29,419	30,134	30,967	30,565	30,167	29,774
China	178	179	179	176	174	172
Jefferson County WCID 10	597	600	598	591	584	577
County-Other, Jefferson	2,092	1,769	1,135	1,036	939	839
Meeker MWD	385	387	385	381	376	372
Bevil Oaks	99	100	100	98	97	96
Nederland	2,422	2,433	2,427	2,397	2,368	2,340
Federal Correctional Complex Beaumont	613	610	610	610	610	610
Groves	2,289	2,279	2,279	2,279	2,279	2,279
Port Neches	1,558	1,564	1,560	1,541	1,522	1,504
Trinity Bay Conservation District	36	36	36	36	35	35
West Jefferson County MWD	929	928	936	948	960	972
Nome	145	146	145	144	142	140
JEFFERSON COUNTY TOTAL	59,071	59,619	59,762	58,985	58,217	57,458
NACOGDOCHES						
NACOGDOCHES	2030	2040	2050	2060	2070	2080
Nacogdoches	7,421	7,614	7,809	8,104	8,397	8,690



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Appleby WSC	1,044	1,076	1,107	1,160	1,212	1,263
Garrison	259	266	273	284	295	305
Lilly Grove SUD	500	514	529	554	578	602
County-Other, Nacogdoches	600	614	632	662	692	721
Woden WSC	262	269	276	289	302	315
D and M WSC	1,054	1,084	1,116	1,169	1,221	1,272
Swift WSC	422	434	446	468	489	509
Cushing	139	144	148	155	162	168
Melrose WSC	815	839	863	904	944	985
Caro WSC	372	383	394	413	431	449
Etoile WSC	337	347	357	374	391	407
NACOGDOCHES COUNTY TOTAL	13,225	13,584	13,950	14,536	15,114	15,686
NEWTON	2030	2040	2050	2060	2070	2080
Newton	343	311	278	247	217	189
South Newton WSC	233	211	187	165	143	122
Bon Wier WSC	86	74	63	52	41	30
County-Other, Newton	693	618	543	474	407	340
Brookeland FWSD	61	55	49	43	37	32
Mauriceville SUD	31	31	30	27	23	20
South Kirbyville Rural WSC	12	11	10	9	7	6
NEWTON COUNTY TOTAL	1,459	1,311	1,160	1,017	875	739
ORANGE	2030	2040	2050	2060	2070	2080
Bridge City	1,271	1,358	1,370	1,409	1,446	1,479
Orange	3,522	3,582	3,598	3,561	3,525	3,489
Pinehurst	346	352	353	350	346	342
South Newton WSC	188	192	193	191	189	187
Orange County WCID 2	456	452	452	439	425	412
Orange County WCID 1	1,456	1,383	1,380	1,290	1,204	1,122
County-Other, Orange	1,907	1,774	1,616	1,399	1,175	934
Orangefield WSC	917	1,043	1,193	1,365	1,561	1,786
Kelly G Brewer	315	317	318	311	305	298
Mauriceville SUD	725	767	791	798	795	789
ORANGE COUNTY TOTAL	11,103	11,220	11,264	11,113	10,971	10,838
PANOLA	2030	2040	2050	2060	2070	2080
Carthage	1,649	1,632	1,609	1,578	1,549	1,520
Gill WSC	91	84	77	71	66	61
County-Other, Panola	1,073	1,031	977	937	896	854
Beckville	87	77	69	62	56	51
Elysian Fields WSC	5	6	6	6	6	6
Tatum	33	25	20	15	11	9
Panola-Bethany WSC (c)	141	125	112	101	91	84
Clayton WSC	257	281	311	325	340	355
Minden Brachfield WSC	13	15	19	20	22	24
Deberry WSC	94	82	68	59	50	40
Hollands Quarter WSC	124	118	111	106	101	96
Rehobeth WSC	88	79	68	61	54	47



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PANOLA COUNTY TOTAL	3,655	3,555	3,447	3,341	3,242	3,147
POLK	2030	2040	2050	2060	2070	2080
Corrigan	238	255	264	274	283	293
Lake Livingston WSC	75	81	84	87	90	94
County-Other, Polk	406	436	452	469	487	504
Damascus-Stryker WSC	188	202	210	218	226	234
Moscow WSC (c)	85	91	95	98	102	106
Leggett WSC	2	2	3	3	3	3
Chester WSC	49	53	55	57	59	61
Soda WSC	17	18	19	20	20	21
POLK COUNTY TOTAL	1,060	1,138	1,182	1,226	1,270	1,316
RUSK	2030	2040	2050	2060	2070	2080
Elderville WSC	161	156	148	139	131	122
Garrison	1	1	1	1	1	1
Kilgore	1,089	1,054	1,003	945	888	830
New London	282	273	260	244	229	214
Overton (c)	446	432	411	387	364	341
Southern Utilities (c)	79	76	72	68	64	59
Cross Roads SUD (c)	296	305	318	334	351	371
Wright City WSC	23	22	21	20	18	17
Chalk Hill SUD (c)	232	222	211	199	186	174
Crystal Farms WSC	130	141	156	173	192	215
County-Other, Rusk	963	863	717	540	352	150
Gaston WSC	149	144	137	128	120	112
Jacobs WSC	309	326	346	370	397	429
Mt Enterprise WSC	222	214	204	191	179	167
Tatum	251	242	230	216	202	189
West Gregg SUD	9	11	13	17	21	26
Ebenezer WSC	181	175	166	156	146	137
Henderson	3,060	3,021	3,002	3,000	3,009	3,033
Goodsprings WSC	230	221	210	198	185	173
Minden Brachfield WSC	213	207	196	185	173	161
New Prospect WSC	149	143	136	128	120	112
South Rusk County WSC	242	234	222	209	196	182
RUSK COUNTY TOTAL	8,717	8,483	8,180	7,848	7,524	7,215
SABINE	2030	2040	2050	2060	2070	2080
Hemphill	471	432	397	377	357	338
Pineland	169	153	140	132	124	115
G M WSC	616	562	511	481	450	420
Brookeland FWSD	80	72	66	62	58	54
New WSC	5	4	4	3	3	3
County-Other, Sabine	103	93	85	80	75	71
SABINE COUNTY TOTAL	1,444	1,316	1,203	1,135	1,067	1,001
SAN AUGUSTINE	2030	2040	2050	2060	2070	2080
San Augustine	642	610	593	583	583	595



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G M WSC	18	17	17	16	15	14
Choice WSC	2	2	2	2	2	2
New WSC	86	77	69	64	59	55
County-Other, San Augustine	207	159	117	96	72	47
Sand Hills WSC	6	7	8	8	8	8
San Augustine Rural WSC	286	312	331	324	315	306
Denning WSC	120	108	98	91	84	77
SAN AUGUSTINE COUNTY TOTAL	1,367	1,292	1,235	1,184	1,138	1,104
SHELBY						
SHELBY	2030	2040	2050	2060	2070	2080
Center	2,135	2,099	2,047	1,995	1,944	1,894
Joaquin	124	99	80	63	50	39
County-Other, Shelby	956	956	934	909	875	833
Huxley	271	230	199	173	152	135
Tenaha	250	221	182	154	126	97
Timpson	180	159	129	109	89	67
Choice WSC	107	113	122	132	145	160
East Lamar WSC	108	114	123	134	146	162
Five Way WSC	151	152	153	152	152	151
Flat Fork WSC	114	94	79	65	53	44
New WSC	4	5	6	6	7	7
Sand Hills WSC	294	334	390	424	459	495
McClelland WSC	188	167	138	119	99	78
SHELBY COUNTY TOTAL	4,882	4,743	4,582	4,435	4,297	4,162
SMITH						
SMITH	2030	2040	2050	2060	2070	2080
Arp	155	141	132	120	108	96
Bullard	998	1,153	1,262	1,364	1,464	1,561
Jackson WSC (c)	291	313	329	342	355	367
Lindale Rural WSC	397	426	447	463	479	495
Overton (c)	7	7	8	8	8	8
County-Other, Smith (c)	1,138	1,008	898	801	714	636
Southern Utilities (c)	7,836	8,411	8,835	9,161	9,481	9,795
Whitehouse	1,005	1,012	1,021	1,014	1,007	1,001
Tyler (c)	34,718	38,796	43,467	46,016	48,716	51,573
R P M WSC	11	9	8	7	6	5
Liberty Utilities Silverleaf Water	173	206	229	250	271	292
Wright City WSC	193	199	206	213	220	228
Ben Wheeler WSC	3	3	4	4	5	5
Emerald Bay MUD	254	267	276	287	287	287
Carroll WSC	75	83	89	94	99	104
Walnut Grove WSC	1,253	1,336	1,399	1,446	1,493	1,538
Dean WSC	723	776	815	846	875	904
Troup	388	401	410	414	418	422
Lindale	382	393	403	406	410	414
Crystal Systems Texas	135	158	174	189	204	218
SMITH COUNTY TOTAL	50,135	55,098	60,412	63,445	66,620	69,949
TRINITY						
TRINITY	2030	2040	2050	2060	2070	2080



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Groveton	46	41	34	30	25	20
Centerville WSC	119	106	91	81	70	58
Pennington WSC (c)	31	25	21	17	14	12
County-Other, Trinity (c)	120	117	115	114	114	114
TRINITY COUNTY TOTAL	316	289	261	242	223	204
TYLER						
TYLER	2030	2040	2050	2060	2070	2080
Tyler County SUD	632	602	579	563	548	535
Seneca WSC	123	116	110	106	102	98
County-Other, Tyler	790	670	555	457	353	241
Warren WSC	273	272	272	272	272	272
Moscow WSC (c)	3	4	5	6	7	8
Chester WSC	101	88	74	64	54	43
Wildwood POA	76	69	63	58	53	48
Cypress Creek WSC	101	89	79	71	63	57
Woodville	880	920	970	1,024	1,088	1,162
Colmesneil	163	156	151	147	143	140
TYLER COUNTY TOTAL	3,142	2,986	2,858	2,768	2,683	2,604
TOTAL FOR ETRWPG						
	214,040	219,630	224,789	226,176	227,792	229,673
Abbreviations:						
ETRWPA = East Texas Regional Water Planning Group			SUD = special utility district			
FWSD = Fresh Water Supply District			TDCJ = Texas Department of Criminal Justice			
MUD = municipal utility district			WCID = Water Control & Improvement District			
MWD = municipal water district			WSC = water supply corporation			
POA = Property Owner Associations			WUG = water user group			
Notes:						
(a) Historical WUG population data was retrieved from municipal supporting data on the TWDB's website in a spreadsheet titled "Historical Population & GPCD for WUGs." County-Other population data was also retrieved from the same location in a spreadsheet titled "Historical Population & GPCD for County-Other Rural Areas."						
(b) These counties are split between more than one TWDB regional water planning area. The populations shown represent the portion that fall within the East Texas Regional Water Planning Area (ETRWPA).						
(c) These WUGS are split between more than one county. The population shown represents the portion that falls within the county indicated.						
Sources:						
1. Population projection provided by Texas Water Development Board.						



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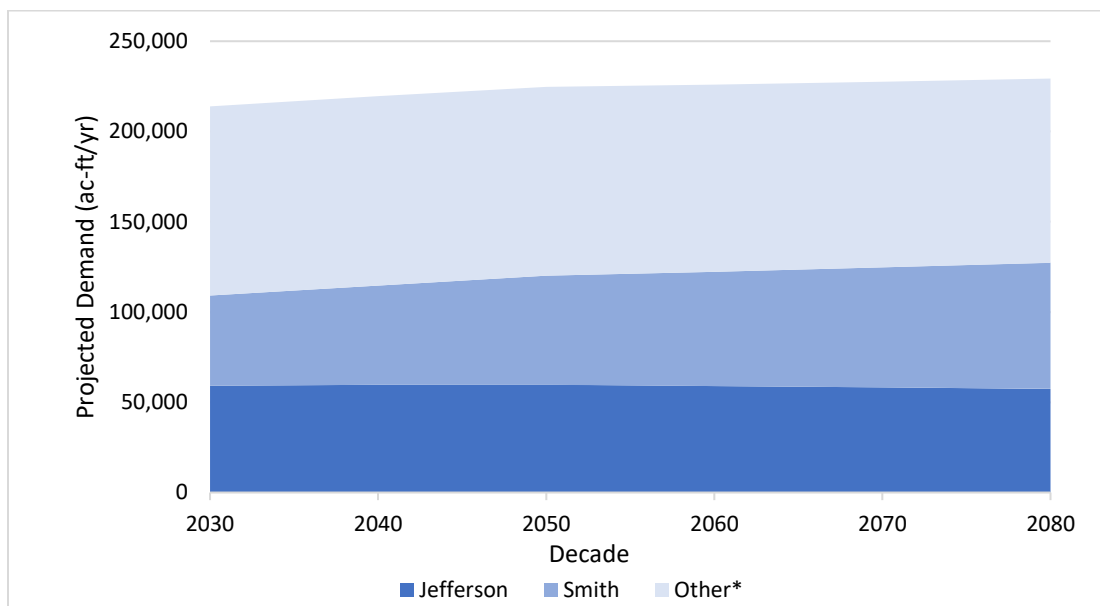
Table 2-5 Municipal Demand Projection Percentages in the East Texas Regional Water Planning Area by County

County	Percent Change in Demand 2030 to 2080	Percent of Total ETRWPA Demand	
		2030	2080
Anderson	-2.3%	7.2%	6.6%
Angelina	5.1%	5.4%	5.3%
Cherokee	-4.0%	3.8%	3.4%
Hardin	10%	3.3%	3.4%
Henderson	30%	1.5%	1.8%
Houston	-13%	2.0%	1.6%
Jasper	-25%	2.2%	1.5%
Jefferson	-3%	28%	25%
Nacogdoches	19%	6.2%	6.8%
Newton	-49%	0.7%	0.3%
Orange	-2.4%	5.2%	4.7%
Panola	-14%	1.7%	1.4%
Polk	24%	0.5%	0.6%
Rusk	-17%	4.1%	3.1%
Sabine	-31%	0.7%	0.4%
San Augustine	-19%	0.6%	0.5%
Shelby	-15%	2.3%	1.8%
Smith	40%	23%	30%
Trinity	-35%	0.1%	0.1%
Tyler	-17%	1.5%	1.1%

SOURCE: TEXAS WATER DEVELOPMENT BOARD



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*For a breakdown of Other Municipal Demand Projections by County see Figure 2-5.

Figure 2-4. Municipal Demand Projections in the East Texas Regional Water Planning Area Greater than 20,000 ac-ft/yr by County

SOURCE: TEXAS WATER DEVELOPMENT BOARD

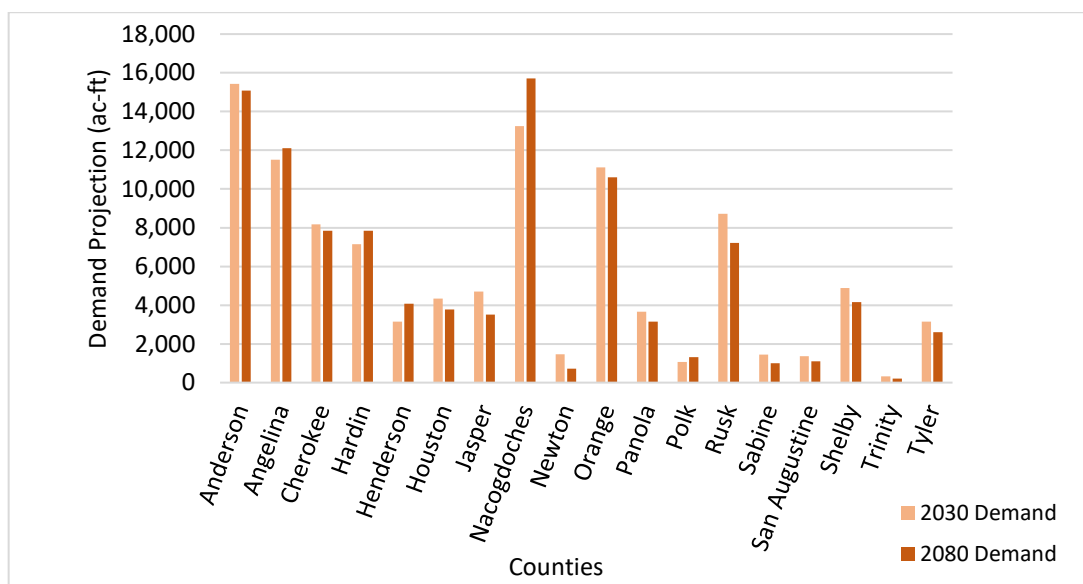


Figure 2-5. Municipal Demand Projections in the East Texas Regional Water Planning Area Less than 20,000 ac-ft/yr by County

SOURCE: TEXAS WATER DEVELOPMENT BOARD



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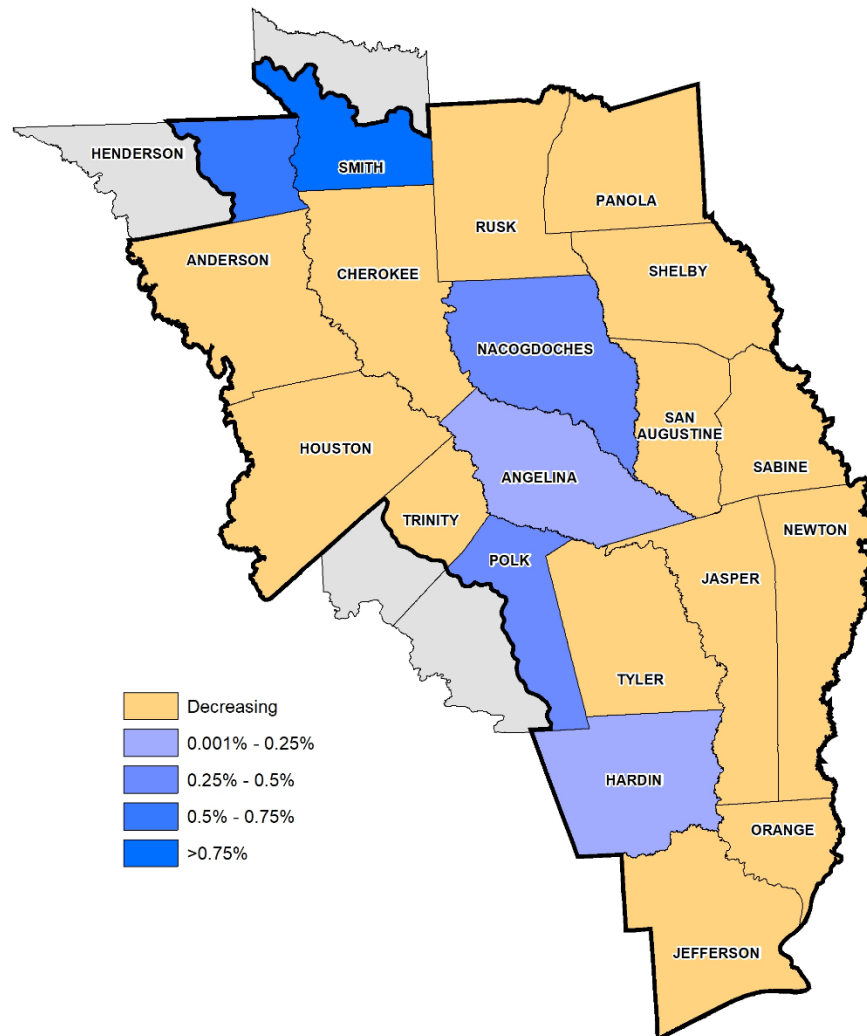


Figure 2-6. Municipal Demand Annual Growth Rate

SOURCE: TEXAS WATER DEVELOPMENT BOARD

2.3.2 Manufacturing Demands

Manufacturing demands are expected to increase from 360,181 ac-ft per year to 572,071 ac-ft per year during the planning period. Table 2-6 summarizes the manufacturing usage by each county. The percent change in manufacturing demand by county is presented in Table 2-7. Counties with projected demands over 10,000 ac-ft per year are summarized on Figure 2-7. All other counties are summarized on Figure 2-8. The average annual projected growth for manufacturing water use is shown on Figure 2-9.

Compared to the last round of planning, the water demand projections in 2030 this round show an increase of approximately 2% compared to the 2021 Plan, which showed a projected demand of 353,415 ac-ft per year in 2030. Subsequently, the current projections gradually increase to approximately 50% higher than the projected demand presented in the 2021 Plan in 2070, which showed a projected demand of 353,415 ac-ft per year in 2070. The increase in the manufacturing demand projection in this round of planning is primarily due to the anticipated development of new manufacturing facilities in the ETRWPA



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that require substantial water supply. The demands anticipated from the new facilities in Angelina, Newton, Orange, and Smith counties were included to inform a new recalculated baseline demand projection in those counties. On the other hand, an alternative projection is recommended for Jefferson County based on feedback from major water providers and analysis of trends in increased manufacturing water use over the last decade. No changes are recommended for all other counties in Region I. Collectively, the updated demand projection methodology yields higher projected manufacturing demands in later decades. This methodology was approved and adopted in the 2026 Plan.

Manufacturing water demand in the ETRWPA is concentrated primarily in Jefferson County, which accounts for almost half of all manufacturing water demand in 2030, and more than 60% in 2080. Use is primarily in the petrochemical industry. The Lower Neches Valley Authority (LNVA) meets over XX% of this demand; a large percentage of this demand was not under contract at the time the 2021 Plan was developed and appears as a Water Management Strategy (WMS) in Chapter 5B. [To be Updated Upon Completion of Chapter 5B]

Jasper and Orange counties are projected to comprise an additional 45% of use in 2030, and manufacturing water demand will increase in these two counties over the planning period. However, their collective percentage of use in the region will decrease to approximately 34% by 2080.



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Table 2-6. Historical and Projected Manufacturing Water Demand in the East Texas Regional Water Planning Area by County (ac-ft/yr)

County	2019 Historical*	Projections					
		2030	2040	2050	2060	2070	2080
Anderson	1,307	1,686	1,748	1,813	1,880	1,950	2,022
Angelina	2,286	5,612	5,819	6,034	6,258	6,489	6,729
Cherokee	63	82	85	88	91	94	97
Hardin	37	64	66	68	71	74	77
Henderson ^a	0	0	0	0	0	0	0
Houston	133	201	208	216	224	232	241
Jasper	52,611	57,668	59,802	62,015	64,310	66,689	69,156
Jefferson	128,775	175,000	210,000	245,000	280,000	315,000	350,000
Nacogdoches	2,356	2,892	2,999	3,110	3,225	3,344	3,468
Newton	0	6,140	6,367	6,603	6,847	7,100	7,363
Orange	43,018	103,832	107,674	111,657	115,789	120,073	124,516
Panola	1,138	1,298	1,346	1,396	1,448	1,502	1,558
Polk ^a	235	392	407	422	438	454	471
Rusk	12	26	27	28	29	30	31
Sabine	122	449	466	483	501	520	539
San Augustine	2	4	4	4	4	4	4
Shelby	1,691	1,860	1,929	2,000	2,074	2,151	2,231
Smith ^a	1,936	2,857	2,963	3,072	3,186	3,304	3,426
Trinity ^a	0	0	0	0	0	0	0
Tyler	106	118	122	127	132	137	142
Total for ETRWPA	235,828	360,180	402,031	444,137	486,506	529,147	572,071
Notes: (a) These counties are split between more than one Texas Water Development Board regional water planning area. The demands shown represent the portion that fall within the East Texas Regional Water Planning Area (ETRWPA).							
Sources: (1) TWDB Water Use Survey: Historical Summary Estimates by County							



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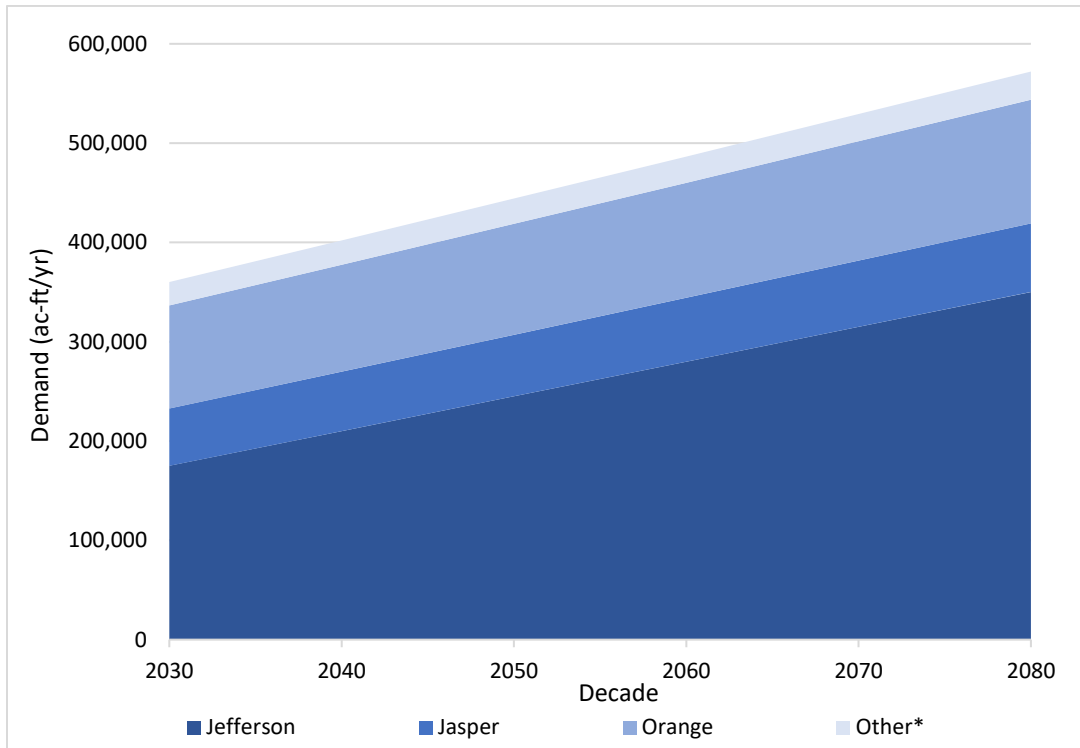
Table 2-7. Manufacturing Demand Projection Percentages in the East Texas Regional Water Planning Area by County

County	Percent Change in Demand 2030 to 2080	Percent of Total ETRWPA Demand	
		2030	2080
Anderson	20%	0.5%	0.4%
Angelina	20%	1.6%	1.2%
Cherokee	18%	<0.1%	<0.1%
Hardin	20%	<0.1%	<0.1%
Henderson	-	<0.1%	<0.1%
Houston	20%	<0.1%	<0.1%
Jasper	20%	16%	12%
Jefferson	100%	49%	61%
Nacogdoches	20%	0.8%	0.6%
Newton	20%	1.7%	1.3%
Orange	20%	29%	22%
Panola	20%	0.4%	0.3%
Polk	20%	0.1%	<0.1%
Rusk	19%	<0.1%	<0.1%
Sabine	20%	0.1%	<0.1%
San Augustine	0%	<0.1%	<0.1%
Shelby	20%	0.5%	0.4%
Smith	20%	0.8%	0.6%
Trinity	-	<0.1%	<0.1%
Tyler	20%	<0.1%	<0.1%

SOURCE: TEXAS WATER DEVELOPMENT BOARD



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*For a breakdown of Other Manufacturing Demand Projections by County see Figure 2-8.

Figure 2-7. Manufacturing Demand Projections in the East Texas Regional Water Planning Area Greater than 10,000 ac-ft/yr by County

SOURCE: TEXAS WATER DEVELOPMENT BOARD

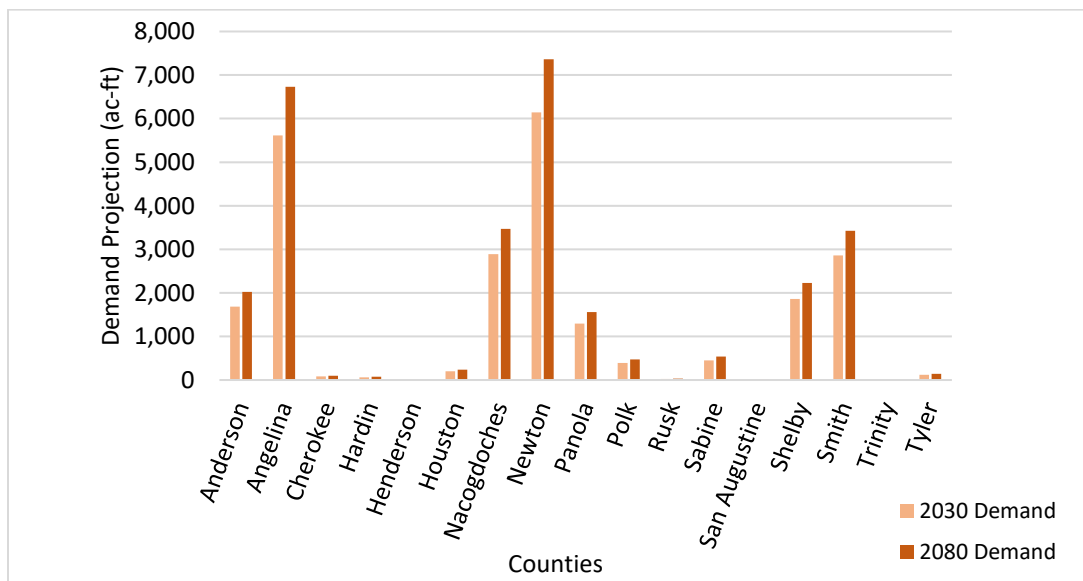


Figure 2-8. Manufacturing Demand Projections in the East Texas Regional Water Planning Area Less than 10,000 ac-ft/yr by County

SOURCE: TEXAS WATER DEVELOPMENT BOARD



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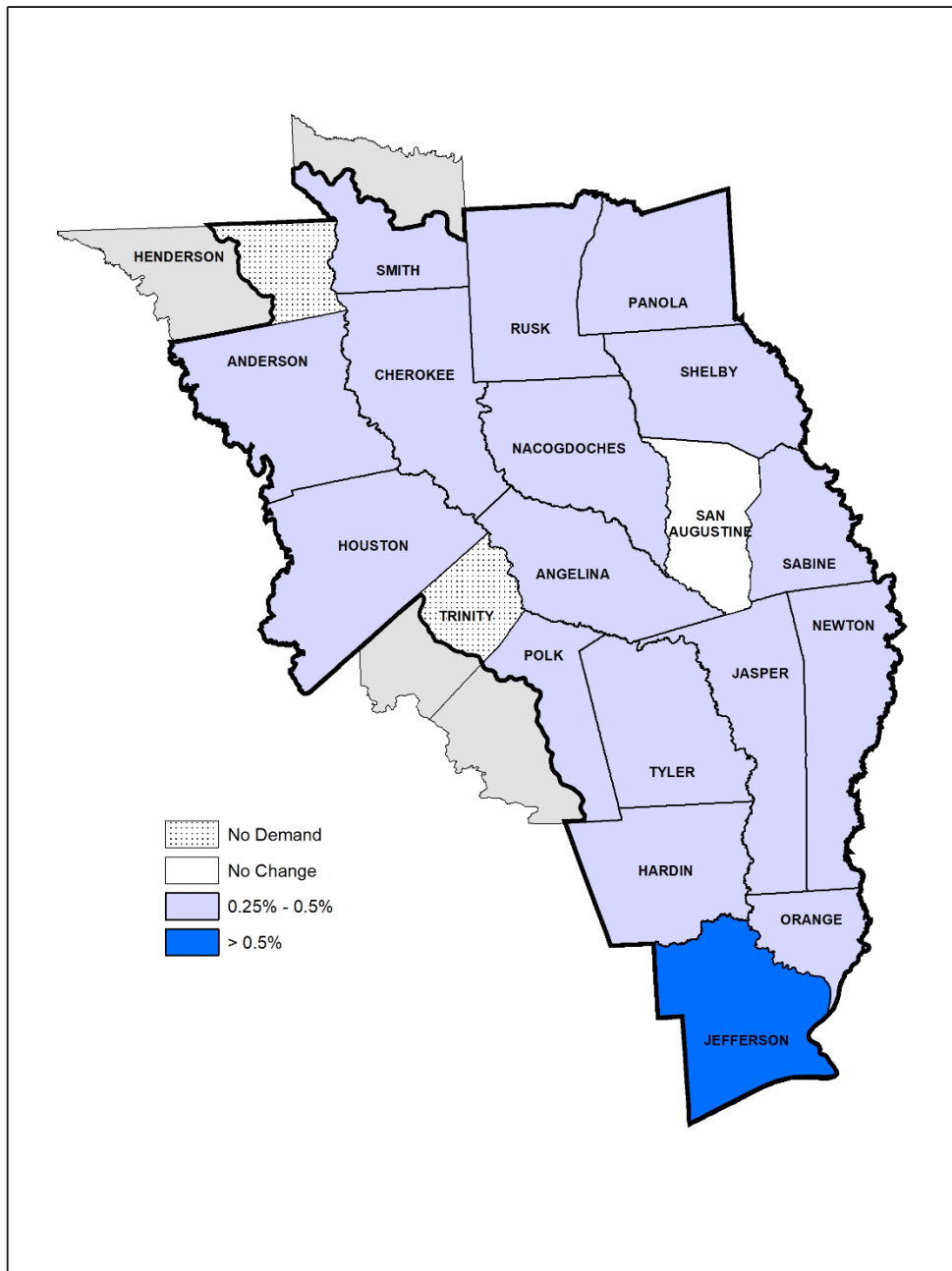


Figure 2-9. Manufacturing Demand Annual Growth Rate

SOURCE: TEXAS WATER DEVELOPMENT BOARD

2.3.3 Irrigation Demands

The 2026 Plan projects irrigation demands in 19 of the 20 counties in the region, with no projected demand increase over the planning period. Water use for irrigation is presented in Table 2-8 and Table 2-9. Jefferson County's projected demand is presented in Figure 2-10 with the remaining counties



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presented individually in Figure 2-11. The irrigation demand projection in this round of planning is within 1% of the demand projection from the previous round of planning.

The projection for irrigation demand is based on estimates of crop types, crop acreages, and climatic conditions in Region I. The TWDB provided a draft projection that was based on the average irrigation demand from 2015 through 2019. However, the ETRWPG recommended adjusting the draft projection to take into account the higher demand from the average historical use during the dry period of 2010-2014 and the TWDB recommended period of 2015-2019. This was because the 2015-2019 period was relatively wet, resulting in lower than normal irrigation demand. The methodology was approved and adopted in the 2026 Plan.

Table 2-8. Historical and Projected Irrigation Water Demand in the East Texas Regional Water Planning Area by County (ac-ft/yr)

County	2019 Historical*	Projections					
		2030	2040	2050	2060	2070	2080
Anderson	912	905	905	905	905	905	905
Angelina	97	779	779	779	779	779	779
Cherokee	309	451	451	451	451	451	451
Hardin	183	989	989	989	989	989	989
Henderson ^a	543	459	459	459	459	459	459
Houston	1,639	2,137	2,137	2,137	2,137	2,137	2,137
Jasper	143	303	303	303	303	303	303
Jefferson	44,575	88,536	88,536	88,536	88,536	88,536	88,536
Nacogdoches	62	266	266	266	266	266	266
Newton	42	101	101	101	101	101	101
Orange	180	1,824	1,824	1,824	1,824	1,824	1,824
Panola	984	1,069	1,069	1,069	1,069	1,069	1,069
Polk ^a	77	230	230	230	230	230	230
Rusk	206	276	276	276	276	276	276
Sabine	0	-	-	-	-	-	-
San Augustine	0	14	14	14	14	14	14
Shelby	7	10	10	10	10	10	10
Smith ^a	375	448	448	448	448	448	448
Trinity ^a	31	278	278	278	278	278	278
Tyler	267	354	354	354	354	354	354
Total for ETRWPA	50,632	99,429	99,429	99,429	99,429	99,429	99,429

Notes:

(a) These counties are split between more than one Texas Water Development Board regional water planning area. The demands shown represent the portion that fall within the East Texas Regional Water Planning Area (ETRWPA).

Sources:

(1) TWDB Water Use Survey: Historical Summary Estimates by County



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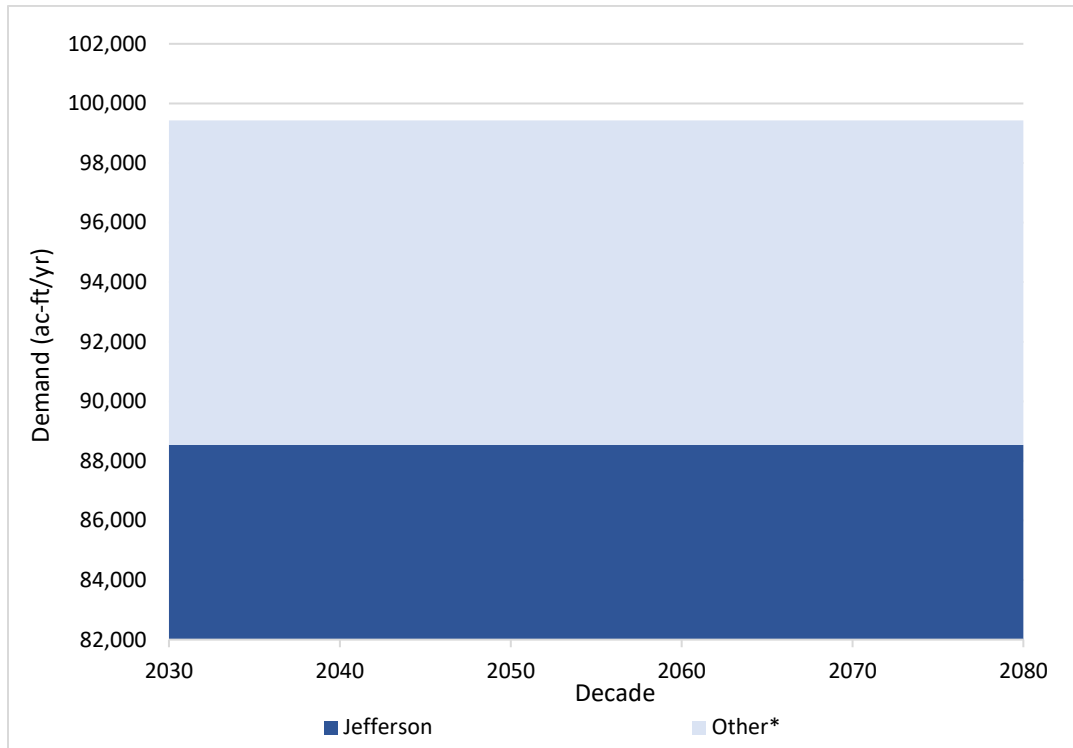
Table 2-9. Irrigation Demand Projection Percentages in the East Texas Regional Water Planning Area by County

County	Percent Change in Demand 2030 to 2080	Percent of Total ETRWPA Demand	
		2030	2080
Anderson	0%	0.9%	0.9%
Angelina	0%	0.8%	0.8%
Cherokee	0%	0.5%	0.5%
Hardin	0%	1.0%	1.0%
Henderson	0%	0.5%	0.5%
Houston	0%	2.1%	2.1%
Jasper	0%	0%	0%
Jefferson	0%	89%	89%
Nacogdoches	0%	0.3%	0.3%
Newton	0%	0.1%	0.1%
Orange	0%	2%	2%
Panola	0%	1.1%	1.1%
Polk	0%	0.2%	0.2%
Rusk	0%	0.3%	0.3%
Sabine	-	-	-
San Augustine	0%	<0.1%	<0.1%
Shelby	0%	<0.1%	<0.1%
Smith	0%	0.5%	0.5%
Trinity	0%	0.3%	0.3%
Tyler	0%	0.4%	0.4%

SOURCE: TEXAS WATER DEVELOPMENT BOARD



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*For a breakdown of Other Irrigation Demand Projections by County see Figure 2-11.

Figure 2-10. Irrigation Demand Projections in the East Texas Regional Water Planning Area Greater than 2,500 ac-ft/yr by County

SOURCE: TEXAS WATER DEVELOPMENT BOARD

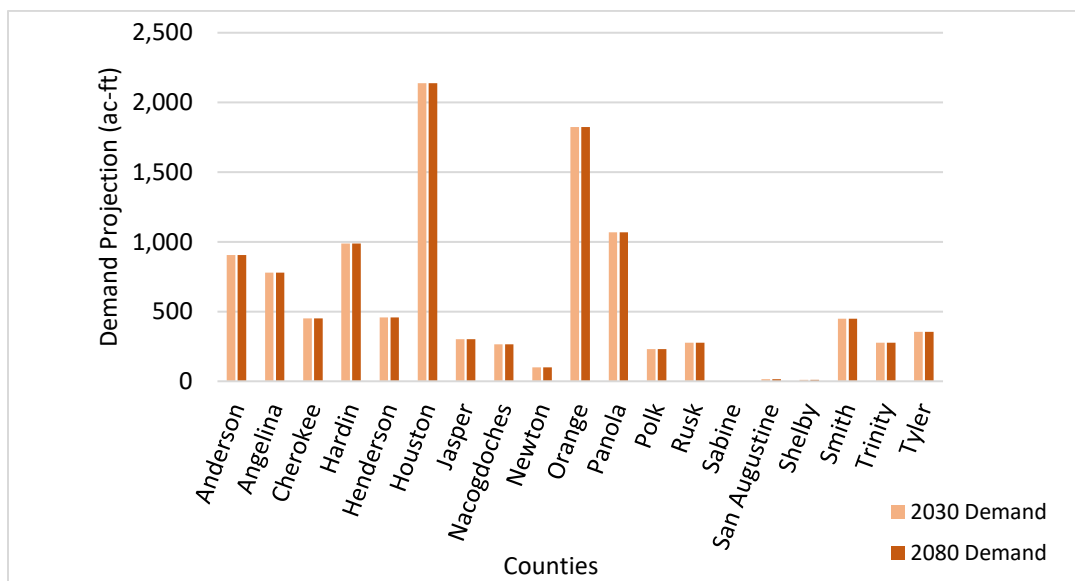


Figure 2-11. Irrigation Demand Projections in the East Texas Regional Water Planning Area Less than 2,500 ac-ft/yr by County



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SOURCE: TEXAS WATER DEVELOPMENT BOARD

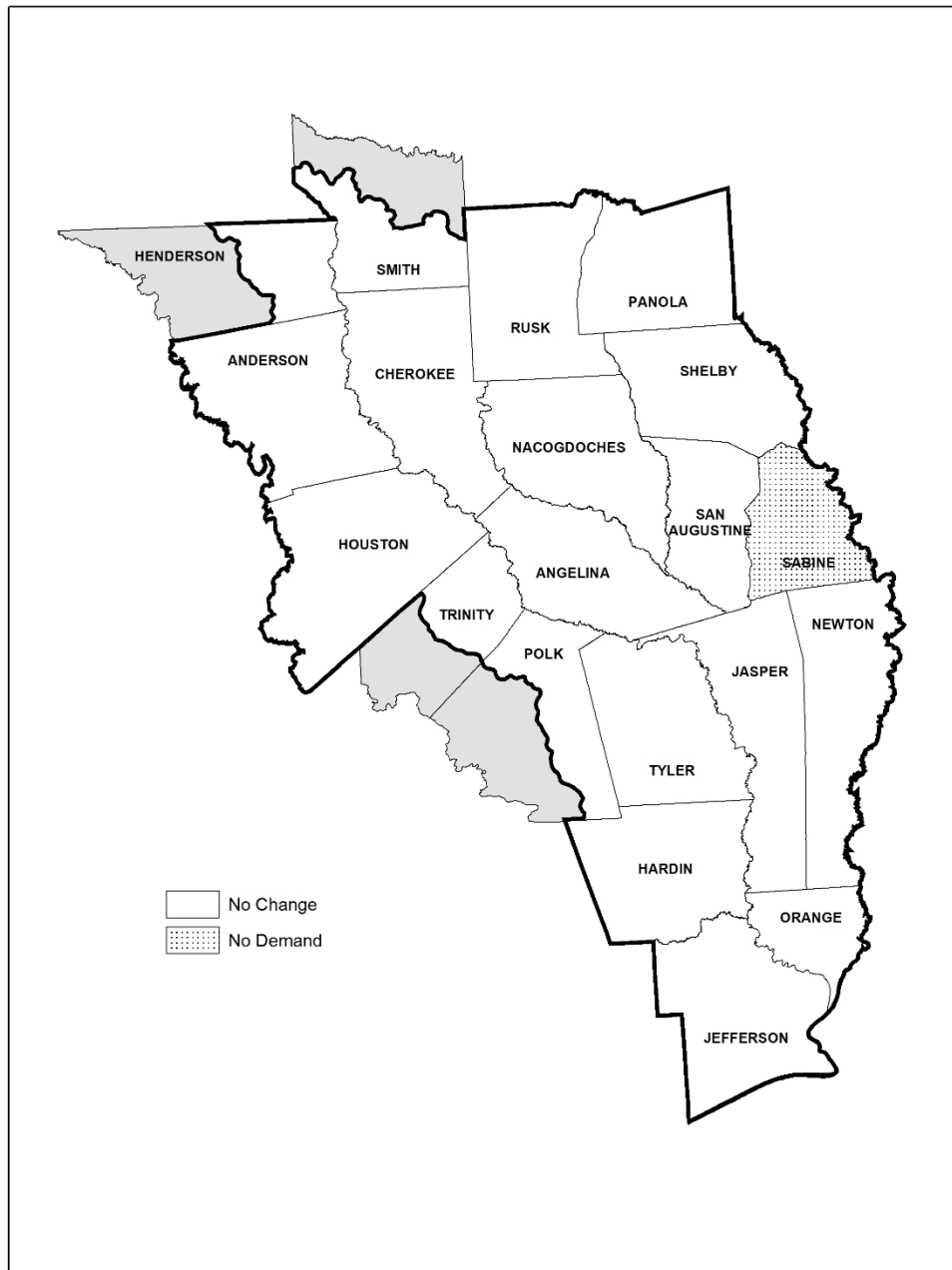


Figure 2-12. Irrigation Demand Annual Growth Rate

SOURCE: TEXAS WATER DEVELOPMENT BOARD



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2.3.4 Steam Electric Power Demands

There are nine counties with projected steam electric power demands in the ETRWPA. Compared to the last round of planning, the projected demands have decreased by 38% in the 2030 decade. The reduced demand projection in this round of planning is due to retirements of facilities based on information provided by the U.S. Energy Information Administration (EIA) annual database, EIA-860. Region-wide steam electric power demands are projected to remain constant at 41,782 ac-ft per year.

The TWDB draft steam-electric water demand projections for the 2026 Regional Water Plans were based upon:

- The highest single-year county water use from within the most recent five years of data for steam-electric power water users from the annual water use surveys,
- Near-term additions and retirements of generating facilities, and
- Holding the projected water demand volume constant through 2080.

The ETRWPG recommended adjusting the TWDB draft projection to include a new steam electric power generating facility (6,160 ac-ft/yr) in Orange County throughout the planning horizon. This updated methodology was approved and adopted in the 2026 Plan.

Projected demands for each county are summarized in Table 2-10 and Table 2-11. Figure 2-13 graphically depicts the demand projections for the nine counties in the region with steam electric power demands. Figure 2-14 shows the distribution of steam electric power demands in the region.



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Table 2-10. Historical and Projected Steam Electric Power Water Demand in the East Texas Regional Water Planning Area by County (ac-ft/yr)

County	2019 Historical*	Projections					
		2030	2040	2050	2060	2070	2080
Anderson	0	2,296	2,296	2,296	2,296	2,296	2,296
Angelina	0	-	-	-	-	-	-
Cherokee	309	310	310	310	310	310	310
Hardin	0	1	1	1	1	1	1
Henderson ^a	0	2,061	2,061	2,061	2,061	2,061	2,061
Houston	0	-	-	-	-	-	-
Jasper	0	-	-	-	-	-	-
Jefferson	0	-	-	-	-	-	-
Nacogdoches	193	400	400	400	400	400	400
Newton	6,430	6,808	6,808	6,808	6,808	6,808	6,808
Orange	3,210	10,497	10,497	10,497	10,497	10,497	10,497
Panola	0	-	-	-	-	-	-
Polk ^a	0	-	-	-	-	-	-
Rusk	16,386	19,406	19,406	19,406	19,406	19,406	19,406
Sabine	0	-	-	-	-	-	-
San Augustine	0	-	-	-	-	-	-
Shelby	0	-	-	-	-	-	-
Smith ^a	0	-	-	-	-	-	-
Trinity ^a	0	-	-	-	-	-	-
Tyler	0	3	3	3	3	3	3
Total for ETRWPA	26,528	41,782	41,782	41,782	41,782	41,782	41,782
Notes:							
(a) These counties are split between more than one Texas Water Development Board regional water planning area. The demands shown represent the portion that fall within the East Texas Regional Water Planning Area (ETRWPA).							
Sources:							
(1) TWDB Water Use Survey: Historical Summary Estimates by County							



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Table 2-11. Steam Electric Power Demand Projection Percentages in the East Texas Regional Water Planning Area by County

County	Percent Change in Demand 2030 to 2080	Percent of Total ETRWPA Demand	
		2030	2080
Anderson	0%	5.5%	5.5%
Cherokee	0%	0.7%	0.7%
Hardin	0%	<0.1%	<0.1%
Henderson	0%	4.9%	4.9%
Nacogdoches	0%	1.0%	1.0%
Newton	0%	16.3%	16.3%
Orange	0%	25.1%	25.1%
Rusk	0%	46.4%	46.4%
Tyler	0%	<0.1%	<0.1%

SOURCE: TEXAS WATER DEVELOPMENT BOARD

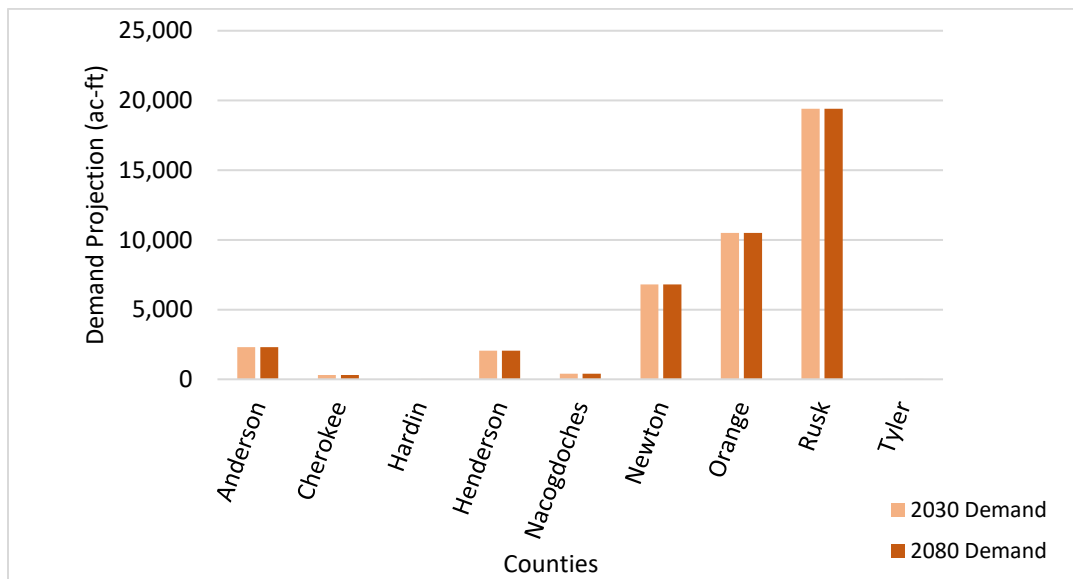


Figure 2-13. Steam Electric Power Demand Projections in the East Texas Regional Water Planning Area by County

SOURCE: TEXAS WATER DEVELOPMENT BOARD, WATER USE SURVEY



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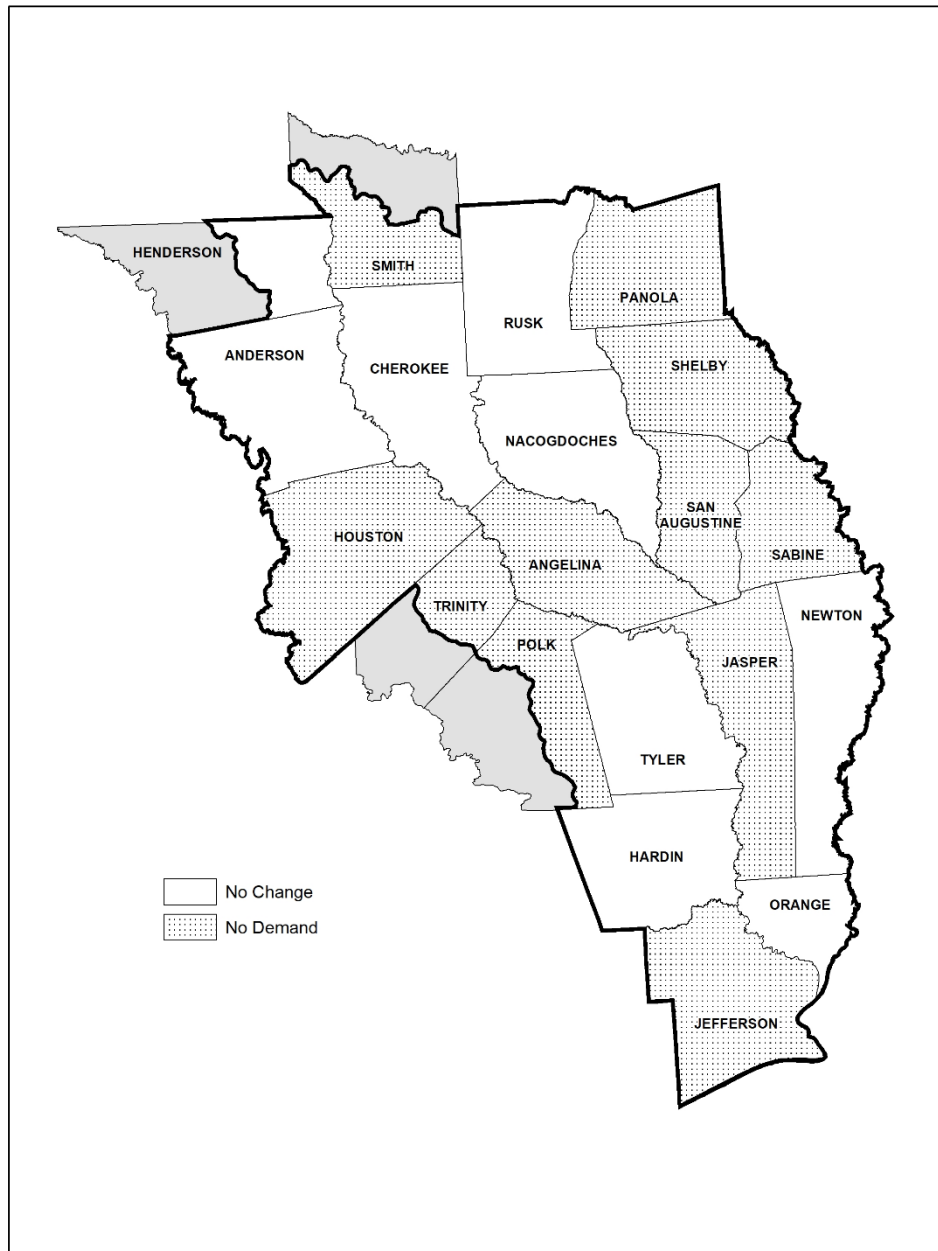


Figure 2-14. Steam Electric Power Demands Annual Growth Rate

SOURCE: TEXAS WATER DEVELOPMENT BOARD



Chapter 2. Current and Projected Population and Water Demand

2.3.5 Livestock Demands

The 2026 Plan projects livestock demands in all 20 counties in the region, with more than half of that demand in Jasper, Nacogdoches, and Shelby counties through the planning period. The total livestock water usage is expected to increase over the planning period from 30,001 ac-ft per year in 2030 to 34,460 ac-ft per year in 2070. Compared to the projections in the last round of planning, these projections represent almost a 40% decrease in 2030 and a 47% decrease in 2070. The reduction is due to a smaller demand baseline of 16,866 ac-ft/year from 2015-2019 and the use of more efficient water demand by livestock types from literature and expert opinion in this round of planning compared to the last round.

The draft TWDB projection was informed by the average livestock demands from 2015-2019, the decade-specific water use growth rates approved during the previous water planning cycle (2021 RWP), and updated water use demands for certain livestock types. The ETRWPG recommended using the maximum livestock demands from the same period to inform a more conservative projection. This methodology was approved and adopted in the 2026 Plan.

The projected usage by county during the planning period is presented in Table 2-12. The largest percentage change in total demand is expected to occur in Sabine County at 106%. Additional percent changes can be seen in Table 2-13. Counties with a projected demand over 3,000 ac-ft per year are presented in Figure 2-15 with the remaining counties presented in Figure 2-16. The livestock demand change rates are presented graphically in Figure 2-17. The methodology was approved and adopted in the 2026 Plan.



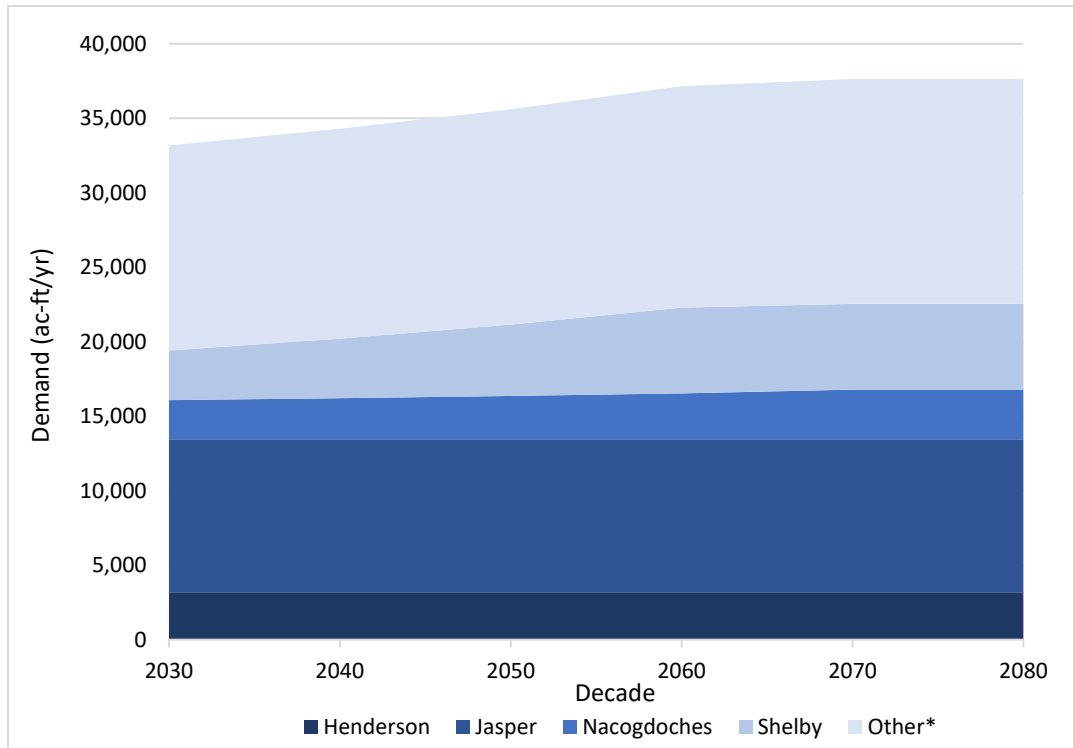
Chapter 2. Current and Projected Population and Water Demand

Table 2-12. Historical and Projected Livestock Water Demand in the East Texas Regional Water Planning Area by County (ac-ft/yr)

County	2019 Historical*	Projections					
		2030	2040	2050	2060	2070	2080
Anderson	1,321	1,321	1,321	1,321	1,321	1,321	1,321
Angelina	684	684	684	684	684	684	684
Cherokee	1,231	1,231	1,231	1,231	1,231	1,231	1,231
Hardin	164	201	201	201	201	201	201
Henderson ^a	432	3,179	3,179	3,179	3,179	3,179	3,179
Houston	1,440	1,666	1,815	1,978	2,154	2,380	2,380
Jasper	272	10,273	10,273	10,273	10,273	10,273	10,273
Jefferson	669	799	799	799	799	799	799
Nacogdoches	2,373	2,625	2,754	2,904	3,074	3,329	3,329
Newton	89	114	114	114	114	114	114
Orange	187	187	187	187	187	187	187
Panola	1,049	1,142	1,142	1,142	1,142	1,142	1,142
Polk ^a	93	114	114	114	114	114	114
Rusk	1,207	1,316	1,340	1,364	1,389	1,389	1,389
Sabine	237	323	424	540	667	667	667
San Augustine	475	533	592	660	736	736	736
Shelby	2,802	3,338	3,991	4,788	5,759	5,759	5,759
Smith ^a	464	500	500	500	500	500	500
Trinity ^a	187	187	187	187	187	187	187
Tyler	268	268	268	268	268	268	268
Total for ETRWPA	15,644	30,002	31,117	32,435	33,981	34,461	34,461
Notes:							
(a) These counties are split between more than one Texas Water Development Board regional water planning area. The demands shown represent the portion that fall within the East Texas Regional Water Planning Area (ETRWPA).							
Sources:							
(1) TWDB Water Use Survey: Historical Summary Estimates by County							



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*For a breakdown of Other Livestock Demand Projections by County see Figure 2-16.

Figure 2-15. Livestock Demand Projections in the East Texas Regional Water Planning Area Greater than 3,000 ac-ft/yr by County

SOURCE: TEXAS WATER DEVELOPMENT BOARD

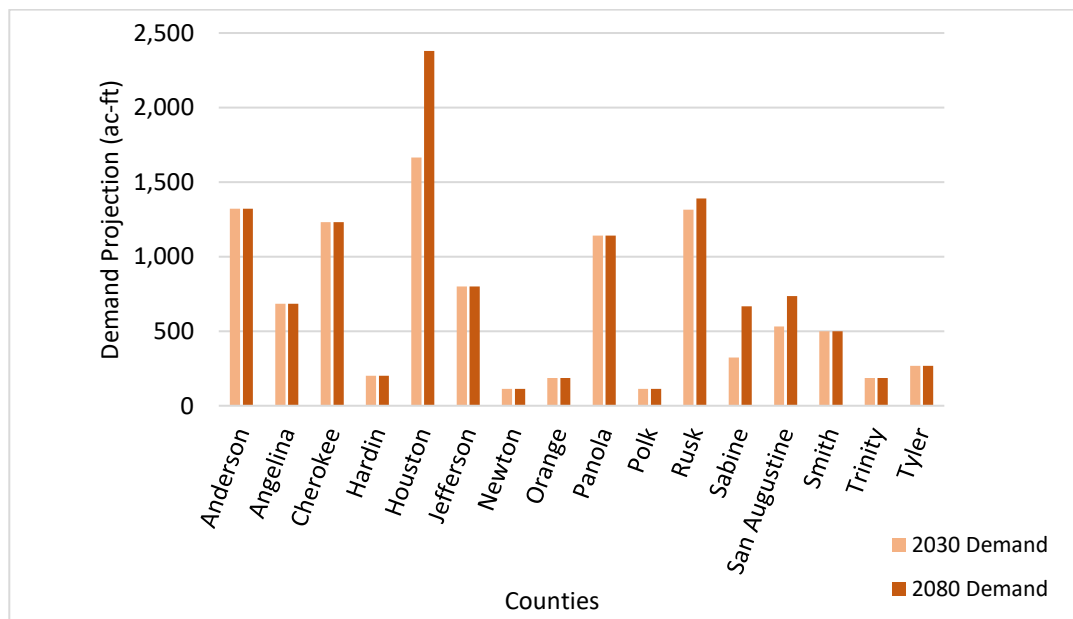


Figure 2-16. Livestock Demand Projections in the East Texas Regional Water Planning Area Less than 3,000 ac-ft/yr by County



Chapter 2. Current and Projected Population and Water Demand

SOURCE: TEXAS WATER DEVELOPMENT BOARD

Table 2-13. Livestock Demand Projection Percentages in the East Texas Regional Water Planning Area by County

County	Percent Change in Demand 2030 to 2080	Percent of Total ETRWPA Demand	
		2030	2080
Anderson	0%	4.4%	3.8%
Angelina	0%	2.3%	2.0%
Cherokee	0%	4.1%	3.6%
Hardin	0%	0.7%	0.6%
Henderson	0%	11%	9.2%
Houston	43%	5.6%	6.9%
Jasper	0%	34%	30%
Jefferson	0%	2.7%	2.3%
Nacogdoches	27%	8.8%	9.7%
Newton	0%	0.4%	0.3%
Orange	0%	0.6%	0.5%
Panola	0%	3.8%	3.3%
Polk	0%	0.4%	0.3%
Rusk	6%	4.4%	4.0%
Sabine	106%	1.1%	1.9%
San Augustine	38%	1.8%	2.1%
Shelby	73%	11%	17%
Smith	0%	1.7%	1.5%
Trinity	0%	0.6%	0.5%
Tyler	0%	0.9%	0.8%

SOURCE: TEXAS WATER DEVELOPMENT BOARD



Chapter 2. Current and Projected Population and Water Demand

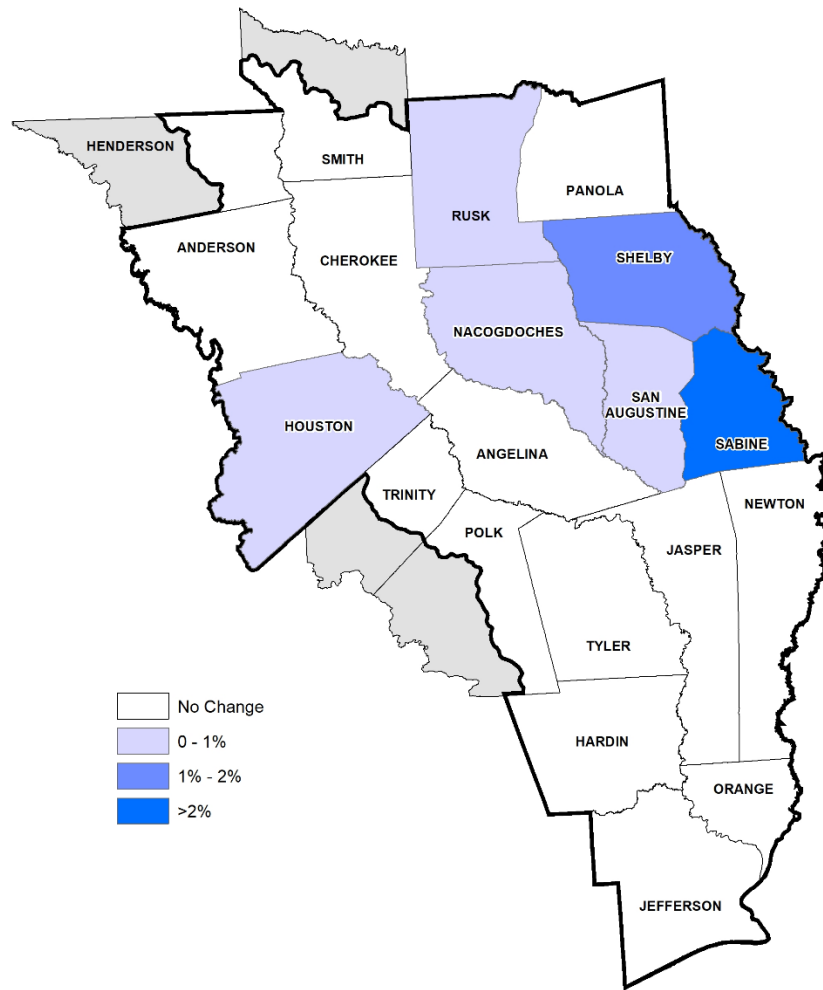


Figure 2-17. Livestock Demand Annual Growth Rate

SOURCE: TEXAS WATER DEVELOPMENT BOARD



Chapter 2. Current and Projected Population and Water Demand

2.3.6 Mining Demands

The 2026 Plan projects mining demands in all 20 counties in the region. Much of the demand (approximately 38,000 ac-ft per year in 2010 and declining to approximately 10,179 ac-ft per year in 2080) was related to the expanding shale-gas play located within much of the region. Since 2011, the natural gas exploration industry has focused on the Eagle Ford shale in South Texas, resulting in lower projections for water demand in the ETRWPA. Nonetheless, gas exploration has continued in the region and is expected to comprise the majority of the mining demand for the region. For the 2021 Plan, mining water demand was updated to 27,523 ac-ft per year in 2020 and decline to 12,093 ac-ft per year in 2070 with mining water use in all 20 of the counties in the ETRWPA.

Compared to the projections in the 2021 Plan, the current projections are significantly smaller. The differences were less pronounced in the later planning period, with a decrease of 61% in the 2030 projections and a decrease of 17% in the 2070 projections.

The TWDB draft mining demand projections for the 2026 Regional Water Plans were developed from the 2022 TWDB Mining Water Use Study. The study used different methods to develop projections for each mining water use category: oil and gas, aggregate mining, and coal mining. However, projected mining water use in Region I is comprised of either oil and gas or aggregate mining. There is no projected mining water use from coal mining. The draft projections were adopted in the 2026 Plan.

Table 2-14 provides mining water projections and Table 2-15 shows the percent changes for each county in the ETRWPA. Demands for counties with projections greater than 1,000 ac-ft per year are depicted on Figure 2-18. Those counties with lower projected demands are shown on Figure 2-19. Figure 2-20 illustrates the annual percent change for mining water in each county in the ETRWPA.

Table 2-14. Historical and Projected Mining Water Demand in the East Texas Regional Water Planning Area by County (ac-ft/yr)

County	2019 Historical*	Projections					
		2030	2040	2050	2060	2070	2080
Anderson	0	34	34	34	34	34	34
Angelina	372	780	819	855	887	915	940
Cherokee	63	187	187	187	187	187	187
Hardin	265	13	13	13	13	13	13
Henderson ^a	0	173	182	193	222	255	296
Houston	0	302	302	302	302	302	302
Jasper	0	28	28	28	28	28	28
Jefferson	10	294	312	332	354	379	406
Nacogdoches	613	891	891	891	891	891	891
Newton	0	3	3	3	3	3	3
Orange	2	11	11	11	11	11	11
Panola	5,385	2,280	2,280	2,280	2,280	2,280	2,280
Polk ^a	1	26	27	28	29	30	30



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Rusk	275	489	489	489	489	489	489
Sabine	0	203	203	203	203	203	203
San Augustine	957	1,411	1,411	1,411	1,411	1,411	1,411
Shelby	660	2,070	2,070	2,070	2,070	2,070	2,070
Smith ^a	261	427	446	466	487	510	534
Trinity ^a	0	9	9	9	9	9	9
Tyler	37	42	42	42	42	42	42
Total for ETRWPG	8,901	9,673	9,759	9,847	9,952	10,062	10,179

Notes:

(a) These counties are split between more than one Texas Water Development Board regional water planning area. The demands shown represent the portion that fall within the East Texas Regional Water Planning Area (ETRWPA).

Sources:

(1) TWDB Water Use Survey: Historical Summary Estimates by County



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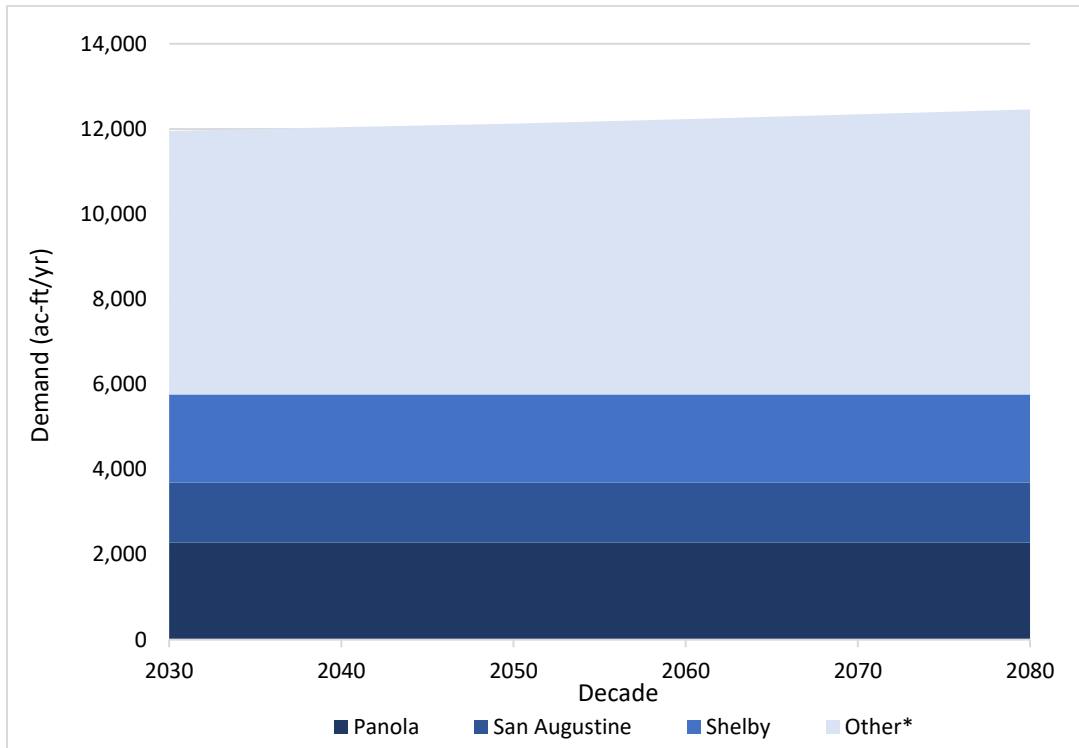
Table 2-15. Mining Demand Projection Percentages in the East Texas Regional Water Planning Area by County

County	Percent Change in Demand 2030 to 2080	Percent of Total ETRWPA Demand	
		2030	2080
Anderson	0%	0.4%	0.3%
Angelina	21%	8.1%	9.2%
Cherokee	0%	1.9%	1.8%
Hardin	0%	0.1%	0.1%
Henderson	71%	2%	2.9%
Houston	0%	3.1%	3.0%
Jasper	0%	0%	0%
Jefferson	38%	3.0%	4.0%
Nacogdoches	0%	9.2%	8.8%
Newton	0%	<0.1%	<0.1%
Orange	0%	0.1%	0.1%
Panola	0%	24%	22%
Polk	15%	0.3%	0.3%
Rusk	0%	5.1%	4.8%
Sabine	0%	2.1%	2.0%
San Augustine	0%	15%	14%
Shelby	0%	21%	20%
Smith	25%	4.4%	5.2%
Trinity	0%	<0.1%	<0.1%
Tyler	0%	0.4%	0.4%

SOURCE: TEXAS WATER DEVELOPMENT BOARD



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*For a breakdown of Other Mining Demand Projections by County see Figure 2-19.

Figure 2-18. Mining Demand Projections in the East Texas Regional Water Planning Area Greater than 1,000 ac-ft/yr by County

SOURCE: TEXAS WATER DEVELOPMENT BOARD

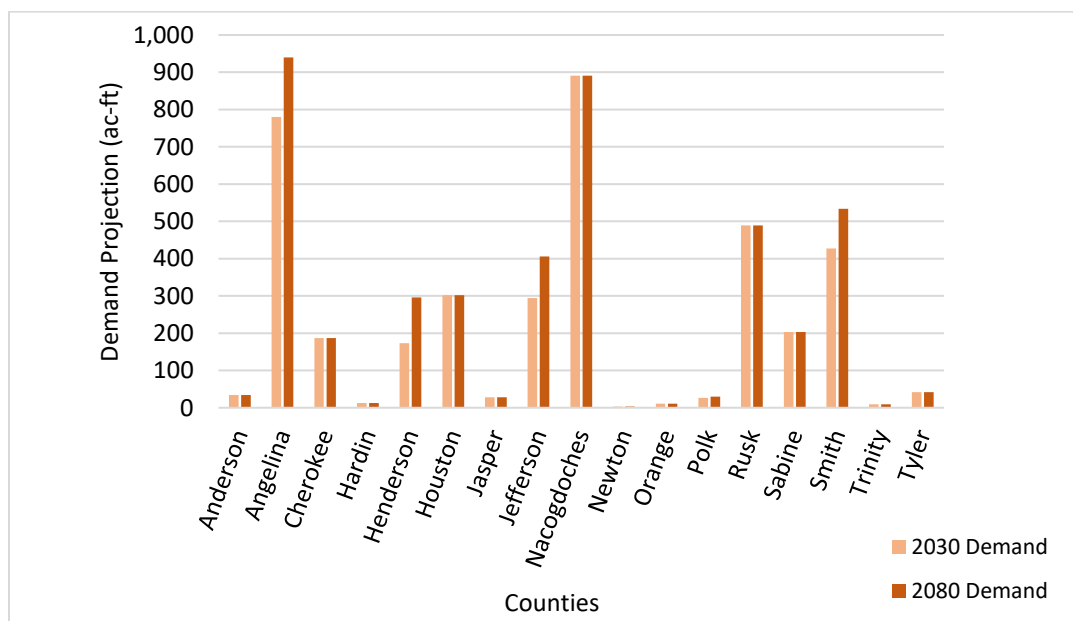


Figure 2-19. Mining Demand Projections in the East Texas Regional Water Planning Area Less than 1,000 ac-ft/yr by County



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SOURCE: TEXAS WATER DEVELOPMENT BOARD

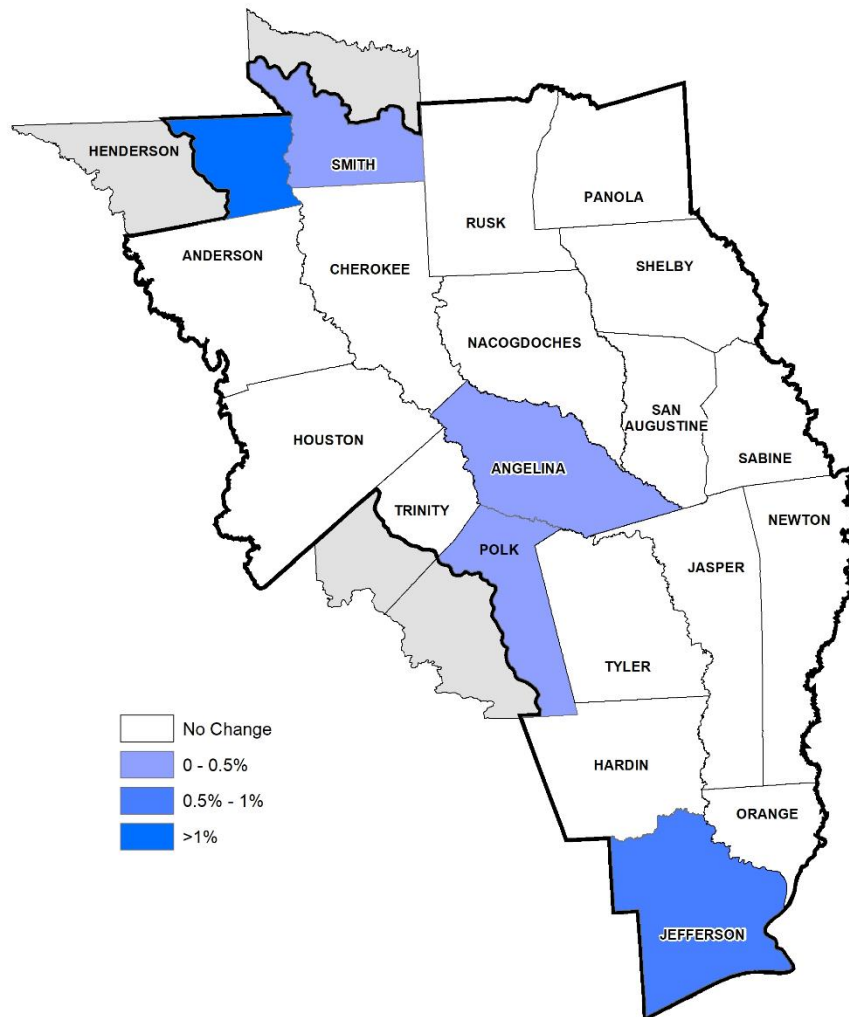


Figure 2-20. Mining Demand Annual Growth Rate

SOURCE: TEXAS WATER DEVELOPMENT BOARD



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2.3.7 Sales Between Water User Groups

The 2026 Plan is required to present the current contractual obligations of WUGs in the ETRWPA to supply water to other WUGs in addition to any demands projected for the corresponding WUG or wholesale water provider (WWP). **Table 2-16** summarizes this information by decade; the table does not include sales from WUGs who are also MWPs; see Section 2.4 for a summary of MWP obligations. **[To be confirm or update upon completion of Chapter 3]**

Table 2-16. Contractual Obligations of Water User Groups in the East Texas Regional Water Planning Area (ac-ft/yr)

Customer	WUG	Demands					
		2030	2040	2050	2060	2070	2080
Manufacturing - Angelina	Diboll	134	134	134	134	134	134
Manufacturing - Hardin	North Hardin WSC	2	2	2	2	2	2
Manufacturing - Hardin	Silsbee	4	4	4	4	4	4
D & M WSC	Nacogdoches	443	441	440	439	437	437
Manufacturing - Rusk	Rusk County-Other	4	4	4	4	4	4
Manufacturing - Rusk	Henderson	29	29	29	29	29	29
G M WSC	Hemphill	517	517	517	517	517	517
San Augustine Rural WSC	San Augustine	114	110	108	108	108	108
Whitehouse	City of Tyler	664	664	664	664	664	664
Groveton	Trinity River Authority*	283	282	283	284	283	283
Tyler Steam Electric Power	Woodville	838	838	838	838	838	838

*Region C Major Water Provider

2.4 DEMANDS FOR MAJOR WATER PROVIDERS

As part of the development of the regional water plan, current water demands were identified for the MWPs in the ETRWPA. The MWPs are as follows:

- Angelina and Neches River Authority
- Angelina-Nacogdoches Water Control and Improvements District (WCID) No. 1
- Athens Municipal Water Authority
- City of Beaumont
- City of Carthage
- City of Center
- City of Jacksonville
- City of Lufkin
- City of Nacogdoches
- City of Port Arthur
- City of Tyler



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- Houston County Water Control & Improvement District No. 1
- Lower Neches Valley Authority
- Panola County Freshwater Supply District No. 1
- Sabine River Authority of Texas
- Upper Neches River Municipal Water Authority

Chapter 1 provides a description of each MWP in the ETRWPA. For details regarding MWP supplies and water management strategies, see Chapters 3 and 5, respectively. The expected demands of each customer on each MWP can be found in **Table 2-17** on the following pages; where applicable, the expected demand is equal to the contract volume. Table 2.18 presents MWP demands by water use category for 2020. **[To be confirm or update upon completion of Chapter 3]**

Table 2-17. Expected Demands for each Major Water Provider in the East Texas Regional Water Planning Area (ac-ft/yr)

[To Be Prepared Upon Completion of Chapter 3.]

MWP/Customer	Demand					
	Projections					
	2030	2040	2050	2060	2070	2080
Angelina and Neches River Authority						
Cherokee County-Other	435	370	293	208	116	17
City of Jacksonville	2,576	2,541	2,494	2,442	2,390	2,338
City of New Summerfield	113	111	109	106	104	101
North Cherokee WSC	472	465	456	446	436	425
City of Rusk	855	856	858	859	863	868
Rusk Rural WSC	331	326	321	315	310	304
City of Alto	218	215	211	206	202	197
Caro WSC	372	383	394	413	431	449
City of Nacogdoches	7,421	7,614	7,809	8,104	8,397	8,690
City of New London	282	273	260	244	229	214
City of Troup	399	412	421	425	429	432
City of Arp	155	141	132	120	108	96
Blackjack WSC	102	100	98	96	94	92
Jackson WSC	466	501	527	547	568	587
City of Whitehouse	1,005	1,012	1,021	1,014	1,007	1,001
Region C	0	0	0	0	56,050	56,050
Total Demand - Lake Columbia	15,202	15,320	15,404	15,545	71,734	71,861
Additional Contracts						
County-Other (Holmwood Utility, Jasper)	1,137	1,049	948	851	748	636
Steam Electric Power	310	310	310	310	310	310
Rusk County Refinery (Rusk Manufacturing)	26	27	28	29	30	31



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Angelina County Mining	780	819	855	887	915	940
Cherokee County Mining	187	187	187	187	187	187
Nacogdoches County Mining	891	891	891	891	891	891
San Augustine County Mining	1,411	1,411	1,411	1,411	1,411	1,411
Rusk County Mining	489	489	489	489	489	489
Angelina and Neches River Authority Total Demand	5,231	5,183	5,119	5,055	4,981	4,895
County-Other (Holmwood Utility, Jasper) has its own well.						
Angelina-Nacogdoches Water Control and Improvement District No. 1	2030	2040	2050	2060	2070	2080
Luminant Energy	431	474	521	573	630	693
Nacogdoches / Southern Power	1,494	1,643	1,807	1,988	2,187	2,406
City of Henderson (Future)	153	168	185	204	224	246
Angelina-Nacogdoches Water Control and Improvement District No. 1 Total Demand	4,108	4,325	4,563	4,825	5,111	5,425
Demand provided by MWP.						
Athens Municipal Water Authority	2,030	2,040	2,050	2,060	2,070	2,080
City of Athens	2,633	3,161	4,150	4,998	6,023	6,649
Lakeside Irrigation	Pending	Pending	Pending	Pending	Pending	Pending
TPWD Fish Hatchery	Pending	0	Pending	Pending	Pending	Pending
Manufacturing, Henderson (Region C)	1,269	1,316	1,365	1,416	1,468	1,522
Athens Municipal Water Authority Total Demand	3,902	4,477	5,515	6,414	7,491	8,171
City of Beaumont						
City of Beaumont	2,030	2,040	2,050	2,060	2,070	2,080
City of Beaumont	29,419	30,134	30,967	30,565	30,167	29,774
County-Other, Jefferson	2,092	1,769	1,135	1,036	939	839
Manufacturing, Jefferson	175,000	210,000	245,000	280,000	315,000	350,000
Meeker MWD	385	387	385	381	376	372
City of Beaumont Total Demand	206,896	242,290	277,487	311,982	346,482	380,985
City of Carthage						
City of Carthage	2,030	2,040	2,050	2,060	2,070	2,080
City of Carthage	1,649	1,632	1,609	1,578	1,549	1,520
County-Other, Panola	1,073	1,031	977	937	896	854
Manufacturing, Panola	1,298	1,346	1,396	1,448	1,502	1,558



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City of Carthage Total Demand	4,020	4,009	3,982	3,963	3,947	3,932
City of Center	2,030	2,040	2,050	2,060	2,070	2,080
Sand Hills WSC	300	341	398	432	467	503
County-Other, Shelby	956	956	934	909	875	833
Manufacturing, Shelby	1,860	1,929	2,000	2,074	2,151	2,231
City of Center	2,135	2,099	2,047	1,995	1,944	1,894
City of Center Total Demand	5,251	5,325	5,379	5,410	5,437	5,461
City of Jacksonville	2030	2040	2050	2060	2070	2080
Afton Grove WSC	214	219	225	231	238	245
Bullard	1,088	1,242	1,349	1,449	1,547	1,642
Gum Creek WSC	103	101	99	97	95	92
Craft Turney WSC	635	626	613	600	586	572
City of Jacksonville	2,576	2,541	2,494	2,442	2,390	2,338
Manufacturing, Cherokee	82	85	88	91	94	97
North Cherokee WSC	472	465	456	446	436	425
City of Jacksonville Total Demand	5,170	5,279	5,324	5,356	5,386	5,411
City of Lufkin	2030	2040	2050	2060	2070	2080
Angelina Fresh Water	Pending	Pending	Pending	Pending	Pending	Pending
Woodlawn WSC	242	245	246	249	251	254
City of Diboll	683	693	700	707	714	721
City of Huntington	261	264	266	269	271	274
Irrigation, Angelina	779	779	779	779	779	779
Lower Neches Valley Authority	Pending	Pending	Pending	Pending	Pending	Pending
City of Lufkin	6,592	6,674	6,726	6,792	6,857	6,922
Manufacturing, Angelina	5,612	5,819	6,034	6,258	6,489	6,729
Redland WSC	201	203	205	207	209	211
Power Plants	Pending	Pending	Pending	Pending	Pending	Pending
City of Lufkin Total Demand	14,370	14,677	14,956	15,261	15,570	15,890
City of Nacogdoches	2030	2040	2050	2060	2070	2080
City of Nacogdoches	7,421	7,614	7,809	8,104	8,397	8,690
Manufacturing, Nacogdoches	2,892	2,999	3,110	3,225	3,344	3,468
D & M WSC	1,054	1,084	1,116	1,169	1,221	1,272
Appleby WSC	1,044	1,076	1,107	1,160	1,212	1,263



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Woden WSC	262	269	276	289	302	315
Melrose WSC	815	839	863	904	944	985
Nacogdoches MUD #1	Pending	Pending	Pending	Pending	Pending	Pending
City of Nacogdoches Total Demand	12,411	12,773	13,142	13,658	14,174	14,693
City of Port Arthur	2030	2040	2050	2060	2070	2080
Texas Parks and Wildlife	Pending	Pending	Pending	Pending	Pending	Pending
BASF Total, Petrochemicals LLC	Pending	Pending	Pending	Pending	Pending	Pending
Cheniere LNG	Pending	Pending	Pending	Pending	Pending	Pending
Flint Hills Resources	Pending	Pending	Pending	Pending	Pending	Pending
Golden Pass LNG	Pending	Pending	Pending	Pending	Pending	Pending
Manufacturing, Jefferson	175,000	210,000	245,000	280,000	315,000	350,000
Motiva	Pending	Pending	Pending	Pending	Pending	Pending
Total Petrochemicals	Pending	Pending	Pending	Pending	Pending	Pending
City of Port Arthur	18,309	18,454	18,405	18,183	17,964	17,748
City of Port Arthur Total Demand	193,309	228,454	263,405	298,183	332,964	367,748

City of Tyler	2030	2040	2050	2060	2070	2080
Community Water	Pending	Pending	Pending	Pending	Pending	Pending
Golf Course Irrigation	Pending	Pending	Pending	Pending	Pending	Pending
Manufacturing, Smith	2,876	2,983	3,093	3,208	3,327	3,450
Southern Utilities	10,761	11,435	11,927	12,289	12,646	12,997
Tyler	34,951	39,005	43,661	46,189	48,869	51,706
Walnut Grove WSC	1,263	1,346	1,408	1,455	1,502	1,547
Whitehouse	1,005	1,012	1,021	1,014	1,007	1,001
Potential Customers						
Bullard	1,088	1,242	1,349	1,449	1,547	1,642
Crystal Systems Texas	1,624	1,710	1,773	1,812	1,853	1,893
Lindale	1,247	1,282	1,312	1,322	1,333	1,345
Manufacturing, Smith	2,876	2,983	3,093	3,208	3,327	3,450
Mining, Smith	427	446	466	487	510	534
Chandler	676	831	1,023	1,261	1,553	1,914
City of Tyler Total Demand	58,794	64,275	70,126	73,694	77,474	81,479

Houston County Water Control and Improvement District No. 1	2030	2040	2050	2060	2070	2080
Existing Customers						
City of Crockett	1,080	1,014	915	888	852	809



Chapter 2. Current and Projected Population and Water Demand

City of Grapeland	0	0	0	0	0	0
City of Lovelady	109	105	100	98	96	94
Manufacturing	201	208	216	224	232	241
The Consolidated WSC	1,788	1,840	1,903	1,941	1,974	2,006
<i>Total Demand for Existing Customers</i>	<i>3,178</i>	<i>3,167</i>	<i>3,134</i>	<i>3,151</i>	<i>3,154</i>	<i>3,150</i>
Future Customers						
The Consolidated WSC	1,788	1,840	1,903	1,941	1,974	2,006
<i>Total Demand for Future Customers</i>	<i>1,788</i>	<i>1,840</i>	<i>1,903</i>	<i>1,941</i>	<i>1,974</i>	<i>2,006</i>
<i>Houston County Water Control and Improvement District No. 1 Total Demand</i>	<i>4,966</i>	<i>5,007</i>	<i>5,037</i>	<i>5,092</i>	<i>5,128</i>	<i>5,156</i>
City of Grapeland use Houston County WCID as a backup source only.						
Lower Neches Valley Authority	2030	2040	2050	2060	2070	2080
Region I WUGs						
City of Beaumont - Contract and Supplemental Reserve	Pending	Pending	Pending	Pending	Pending	Pending
County-Other, Jefferson	2,092	1,769	1,135	1,036	939	839
City of Groves	2,289	2,279	2,279	2,279	2,279	2,279
Irrigation, Jefferson	303	303	303	303	303	303
Jefferson County WCID 10	597	600	598	591	584	577
Manufacturing, Jasper	57,668	59,802	62,015	64,310	66,689	69,156
Manufacturing, Jefferson	175,000	210,000	245,000	280,000	315,000	350,000
Manufacturing, Nacogdoches	2,892	2,999	3,110	3,225	3,344	3,468
City of Nederland	2,422	2,433	2,427	2,397	2,368	2,340
City of Port Arthur	18,309	18,454	18,405	18,183	17,964	17,748
City of Port Neches	1,558	1,564	1,560	1,541	1,522	1,504
West Jefferson County MWD	929	928	936	948	960	972
<i>Total Demand for Region I WUGs</i>	<i>264,059</i>	<i>301,131</i>	<i>337,768</i>	<i>374,813</i>	<i>411,952</i>	<i>449,186</i>
Region H WUGs						
Trinity Bay Conservation District	1,448	1,583	1,711	1,797	1,908	2,044
Bolivar Peninsula SUD	1,251	1,264	1,271	1,277	1,279	1,280
Irrigation, Chambers	128,320	128,320	128,320	128,320	128,320	128,320
Irrigation, Liberty	877	935	972	1,014	1,056	1,099
Delivery Losses	Pending	Pending	Pending	Pending	Pending	Pending
<i>Total Demand for Region H WUGs</i>	<i>131,896</i>	<i>132,102</i>	<i>132,274</i>	<i>132,408</i>	<i>132,563</i>	<i>132,743</i>



Chapter 2. Current and Projected Population and Water Demand

Other Obligations						
City of Woodville - Contract	880	920	970	1,024	1,088	1,162
<i>Obligation sub-total</i>	<i>880</i>	<i>920</i>	<i>970</i>	<i>1,024</i>	<i>1,088</i>	<i>1,162</i>
Lower Neches Valley Authority Total Demand	396,835	434,153	471,012	508,245	545,603	583,091
Panola County Freshwater Supply District No. 1						
City of Carthage	1,649	1,632	1,609	1,578	1,549	1,520
Mining, Panola	2,280	2,280	2,280	2,280	2,280	2,280
Panola County Freshwater Supply District No. 1 Total Demand	3,929	3,912	3,889	3,858	3,829	3,800

Sabine River Authority						
2030	2040	2050	2060	2070	2080	
Upper Basin Customers						
Lake Fork Division Customers						
Bright Star Salem SUD	708	765	806	878	951	1,025
Eastman Chemical	Pending	Pending	Pending	Pending	Pending	Pending
Cash SUD	2,967	3,423	3,918	4,339	4,539	4,940
City of Dallas	296,261	308,913	323,564	338,933	355,192	372,319
City of Henderson	3,060	3,021	3,002	3,000	3,009	3,033
City of Kilgore	4,275	4,262	4,190	4,081	3,973	3,864
City of Longview	23,556	23,914	24,207	24,345	24,480	24,607
City of Quitman	345	344	344	335	328	320
North Texas MWD	Pending	Pending	Pending	Pending	Pending	Pending
Tawakoni Division WUGs						
Cash SUD	2,967	3,423	3,918	4,339	4,539	4,940
City of Dallas	296,261	308,913	323,564	338,933	355,192	372,319
City of Emory	732	745	766	772	777	781
City of Greenville	19,410	21,807	23,203	24,371	25,554	26,751
City of Point	229	233	239	240	241	241
City of West Tawakoni	323	354	383	408	433	459
City of Wills Point	1,041	1,148	1,253	1,360	1,468	1,578
Commerce Water District	Pending	Pending	Pending	Pending	Pending	Pending
Combined Consumers SUD	873	908	944	969	996	1,022
Edgewood	322	332	341	346	351	357
MacBee SUD	1,045	1,285	1,583	1,948	2,399	2,955
South Tawakoni WSC	295	236	191	151	119	95
Tawakoni Plant Farm Ltd.	Pending	Pending	Pending	Pending	Pending	Pending
North Texas MWD	Pending	Pending	Pending	Pending	Pending	Pending



Chapter 2. Current and Projected Population and Water Demand

<i>Total Demand by Current Customers in Upper Basin</i>	654,670	684,026	716,416	749,748	784,541	821,606
Additional Requests from Existing Customers						
South Tawakoni WSC	295	236	191	151	119	95
Cash SUD	2,967	3,423	3,918	4,339	4,539	4,940
Combined Consumers SUD	873	908	944	969	996	1,022
City of Henderson	3,060	3,021	3,002	3,000	3,009	3,033
City of Kilgore	4,275	4,262	4,190	4,081	3,973	3,864
NTMWD (Ables Springs WSC)	443	463	536	600	675	709
MacBee SUD	1,045	1,285	1,583	1,948	2,399	2,955
City of Quitman	345	344	344	335	328	320
City of Emory	732	745	766	772	777	781
Greenville	19,410	21,807	23,203	24,371	25,554	26,751
Willis Point	1,041	1,148	1,253	1,360	1,468	1,578
Point	229	233	239	240	241	241
West Tawakoni	323	354	383	408	433	459
New Customers - Upper Basin						
Bright Star Salem SUD	708	765	806	878	951	1,025
City of East Tawakoni	183	185	189	188	187	186
Poetry WSC	453	548	747	1,034	1,392	1,617
College Mound SUD	1,291	1,435	1,941	3,002	4,095	5,187
North Kaufman WSC	232	305	398	504	620	749
Golden WSC	393	414	431	452	474	495
City of Quinlan	240	258	276	292	307	322
City of Lindale	1,247	1,282	1,312	1,322	1,333	1,345
<i>Total Future Demands in Upper Basin</i>	39,785	43,421	46,652	50,246	53,870	57,674
Lower Basin Customers						
Toledo Bend						
Beechwood WSC	Pending	Pending	Pending	Pending	Pending	Pending
El Camino WSC	Pending	Pending	Pending	Pending	Pending	Pending
Huxley	271	230	199	173	152	135
G M WSC	634	579	528	497	465	434
City of Hemphill	471	432	397	377	357	338
Invista	Pending	Pending	Pending	Pending	Pending	Pending
XTO	Pending	Pending	Pending	Pending	Pending	Pending
Tenaska	Pending	Pending	Pending	Pending	Pending	Pending
Canal (Gulf Coast Division)						
Honeywell	Pending	Pending	Pending	Pending	Pending	Pending
Chevron Phillips	Pending	Pending	Pending	Pending	Pending	Pending



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Dow DuPont	Pending	Pending	Pending	Pending	Pending	Pending
Entergy	Pending	Pending	Pending	Pending	Pending	Pending
Firestone Polymers	Pending	Pending	Pending	Pending	Pending	Pending
International Paper	Pending	Pending	Pending	Pending	Pending	Pending
Optimus Steel	Pending	Pending	Pending	Pending	Pending	Pending
Arlanxeo	Pending	Pending	Pending	Pending	Pending	Pending
NRG Cottonwood Energy	Pending	Pending	Pending	Pending	Pending	Pending
Rose City (Orange County-Other)	Pending	Pending	Pending	Pending	Pending	Pending
Irrigation (Orange County)	1,824	1,824	1,824	1,824	1,824	1,824
Potential Future Customers - Lower Basin						
East Texas Transfer (H)	Pending	Pending	Pending	Pending	Pending	Pending
Pipeline to City of Center from Toledo Bend (I)	Pending	Pending	Pending	Pending	Pending	Pending
LNVA (I)	Pending	Pending	Pending	Pending	Pending	Pending
NTMWD (C)	Pending	Pending	Pending	Pending	Pending	Pending
Orange Irrigation (I)	Pending	Pending	Pending	Pending	Pending	Pending
Contract for Orange County Manufacturing	Pending	Pending	Pending	Pending	Pending	Pending
Contract for SEP Orange (I)	Pending	Pending	Pending	Pending	Pending	Pending
Contract for Newton County Mining & Steam Electric Demand (I)	Pending	Pending	Pending	Pending	Pending	Pending
Contract for Shelby County Livestock	Pending	Pending	Pending	Pending	Pending	Pending
Rusk Steam Electric Power Demand	Pending	Pending	Pending	Pending	Pending	Pending
Harrison County Manufacturing (D)	25,986	26,952	27,954	28,993	30,071	31,189
Steam Electric Power Harrison County (D)	Pending	Pending	Pending	Pending	Pending	Pending
Greenville (D)	Pending	Pending	Pending	Pending	Pending	Pending
<i>Total Future Demands in Lower Basin</i>	29,186	30,017	30,902	31,864	32,869	33,920
Sabine River Authority Total Demand	68,971	73,438	77,554	82,110	86,739	91,594

Upper Neches River Municipal Water Authority	2030	2040	2050	2060	2070	2080
Monarch Utilities	Pending	Pending	Pending	Pending	Pending	Pending
City of Dallas	296,261	308,913	323,564	338,933	355,192	372,319
Arborgen Super Tree Farm	Pending	Pending	Pending	Pending	Pending	Pending
Irrigation, Cherokee	451	451	451	451	451	451
Irrigation, Henderson	1,202	1,202	1,202	1,202	1,202	1,202
Irrigation, Smith	759	759	759	759	759	759
Emerald Bay Golf Course	Pending	Pending	Pending	Pending	Pending	Pending
City of Palestine	5,717	5,699	5,629	5,561	5,494	5,425
City of Tyler	34,951	39,005	43,661	46,189	48,869	51,706



Chapter 2. Current and Projected Population and Water Demand

City of Dallas (Future Contract)	Pending	Pending	Pending	Pending	Pending	Pending
<i>Upper Neches River Municipal Water Authority Total Demand</i>	339,341	356,029	375,266	393,095	411,967	431,862

Note: Unless specified, demanded projection obtained from TWDB and reflected the total demand of each WUG. The Contract limit will be incorporated in the demand on MWPs upon completion of Chapter 3.

*The water use category for sales To Other Major Water Providers is captured in the recipient Major Water Provider demands. For recipient Major Water Provider details, see Chapter 2, Table 2.17.

[Pending demand will also be updated upon completion of Chapter 3.]

Appendix 2-A

Migration Scenarios for Region I Counties

The table below documented the migration scenarios selected by counties.

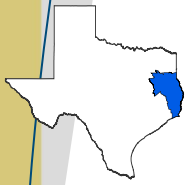
County	Migration Scenario
ANDERSON	1.0 Migration
ANGELINA	0.5 Migration
CHEROKEE	0.5 Migration
HARDIN	1.0 Migration
HENDERSON	1.0 Migration
HOUSTON	0.5 Migration
JASPER	0.5 Migration
JEFFERSON	0.5 Migration
NACOGDOCHES	0.5 Migration
NEWTON	0.5 Migration
ORANGE	1.0 Migration
PANOLA	0.5 Migration
POLK	1.0 Migration
RUSK	0.5 Migration
SABINE	0.5 Migration
SAN AUGUSTINE	0.5 Migration
SHELBY	0.5 Migration
SMITH	1.0 Migration
TRINITY	0.5 Migration
TYLER	0.5 Migration

Appendix 2-B

Correspondence of the East Texas Regional Water Planning Group Chair to the Texas Water Development Board

Following are two letters from John Martin, Chair of the ETRWPG, to the TWDB, regarding the 2026 Plan Projected Demands. The letters are dated July and August 2023, and present a proposal and supplemental documentation requesting for the TWDB to revise projected demands for the municipal and non-municipal projections.

- Proposed Revisions to Non-Municipal Projections for the East Texas Regional Water Planning Area date July 11, 2023
- Proposed Revisions to Municipal Projections for the East Texas Regional Water Planning Area date August 10, 2023



Region I

East Texas Regional
Water Planning Group 

John Martin, Chair
P.O. Box 1407
Jasper, TX 75951
409-383-1577

July 11, 2023

Mr. Jeff Walker
Executive Administrator
Texas Water Development Board
1700 Congress Avenue
Austin, Texas, 78701

Re: Proposed Revisions to Non-Municipal Projections for the East Texas Regional Water Planning Area

Dear Mr. Walker:

This letter transmits proposed revisions of the East Texas Regional Water Planning Area (Region I) non-municipal demand projections developed by the Texas Water Development Board (TWDB) for the 2026 Regional Water Plan (2026 Plan). These recommendations were adopted by the East Texas Regional Water Planning Group (ETRWPG) at its general meeting held on June 21, 2023. The following is a summary of the proposed revisions by demand category.

- **Irrigation Demands**

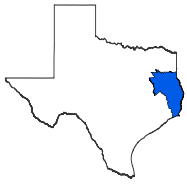
- Increased irrigation demand in the Region I split of Angelina, Cherokee, Hardin, Houston, Jefferson, Nacogdoches, Newton, Orange, Polk, Rusk, San Augustine, Shelby, Smith, Trinity, and Tyler counties based on the greatest 5-year average demand, by county, considering either the TWDB draft 2026 Regional Water Plan (RWP) irrigation projections (2015-2019 average historical use) or the average historical use during the dry period from 2010-2014 (2021 RWP irrigation projections).

- **Livestock Demands**

- Increased livestock demand in the Region I split of all counties based on the maximum annual historical livestock use, by county, between 2015-2019, rather than the TWDB's methodology of average use during that same period.
- Increased Jasper County Livestock demand by 10,000 ac-ft/yr per existing Texas Parks and Wildlife (TPWD) contract data provided by Lower Neches Valley Authority.
- Increased Nacogdoches County Livestock demand by 10,000 ac-ft/yr per existing TPWD contract data provided by Lower Neches Valley Authority.

- **Manufacturing Demands**

- Increased manufacturing demand in Angelina, Newton, Orange, and Smith counties. Recalculated the baseline demands in these counties to include estimated water use for new manufacturing facilities. The same TWDB growth rates were applied to the recalculated baseline in these counties.
- Developed an alternative manufacturing demand projection in Jefferson County based on feedback from major water providers regarding current and planned



manufacturing facilities and analysis of recent water use trends within the county, which indicate substantial increases in manufacturing water use over the last decade.

- **Mining Demands**
 - No recommended changes.
- **Steam-Electric Demands**
 - Increased steam electric power demand in Orange County to include estimated water use for a new steam electric power generating facility for all decades. The projection was held constant from 2030 to 2080.

Table 1: Summary of Proposed Revisions by Demand Category

Demand Category	Water Plan	Projected Water Demand (ac-ft/yr)					
		2030	2040	2050	2060	2070	2080
Irrigation	2022 SWP ⁽¹⁾	99,881	99,881	99,881	99,881	99,881	99,881
	2026 RWP ⁽²⁾	58,629	58,629	58,629	58,629	58,629	58,629
	2026 ETRWPG ⁽³⁾	99,429	99,429	99,429	99,429	99,429	99,429
Livestock	2022 SWP ⁽¹⁾	49,314	52,441	56,186	60,681	66,047	67,260
	2026 RWP ⁽²⁾	18,965	20,016	21,259	22,718	23,176	23,176
	2026 ETRWPG ⁽³⁾	39,922	41,037	42,355	43,901	44,381	44,381
Manufacturing	2022 SWP ⁽¹⁾	306,788	354,410	354,410	354,410	354,410	354,410
	2026 RWP ⁽²⁾	273,445	283,562	294,054	304,936	316,219	327,920
	2026 ETRWPG ⁽³⁾	360,181	402,032	444,137	486,507	529,148	572,072
Mining	2022 SWP ⁽¹⁾	28,373	25,465	19,068	16,417	13,929	13,073
	2026 RWP ⁽²⁾	9,673	9,759	9,847	9,952	10,062	10,179
	2026 ETRWPG ⁽³⁾	9,673	9,759	9,847	9,952	10,062	10,179
Steam-Electric	2022 SWP ⁽¹⁾	67,011	67,011	67,011	67,011	67,011	67,011
	2026 RWP ⁽²⁾	35,621	35,621	35,621	35,621	35,621	35,621
	2026 ETRWPG ⁽³⁾	41,782	41,782	41,782	41,782	41,782	41,782
Total Non-Municipal Water Demands	2022 SWP ⁽¹⁾	551,367	599,208	596,556	598,400	601,278	601,635
	2026 RWP ⁽²⁾	396,333	407,587	419,410	431,856	443,707	455,525
	2026 ETRWPG ⁽³⁾	550,987	594,039	637,550	681,571	724,802	767,843

(1) 2022 SWP: Projections are from the 2022 State Water Plan, adopted on July 7, 2021. The 2022 State Water Plan includes projection decades 2020-2070, but are displayed in this table as 2030-2080 for comparison purposes.

(2) 2026 RWP: Projections are from the Texas Water Development Board website.

(3) 2026 ETRWPG: Projections are those proposed by the East Texas Regional Water Planning Group (ETRWPG)



Mr. Jeff Walker
July 11, 2023
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The enclosure to this letter provides the proposed revisions in the format requested by the TWDB. The ETRWPG appreciates the opportunity to submit these recommendations. Please do not hesitate to contact me if you have any questions.

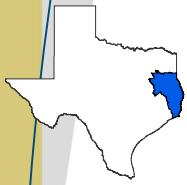
Sincerely,

A handwritten signature in blue ink that reads "John M. Martin". The signature is fluid and cursive.


John Martin, Chair
East Texas Regional Water Planning Group

Enclosures

cc: Mr. Lann Bookout, Texas Water Development Board
Ms. Brigit Buff, P.E., Plummer Associates, Inc.
Mr. Jordan Skipwith, P.E., Freese and Nichols, Inc.



Region I

East Texas Regional
Water Planning Group 

John Martin, Chair
P.O. Box 1407
Jasper, TX 75951
409-383-1577

August 10, 2023

Mr. Jeff Walker
Executive Administrator
Texas Water Development Board
1700 Congress Avenue
Austin, Texas, 78701

Re: Proposed Revisions to Municipal Projections for the East Texas Regional Water Planning Area

Dear Mr. Walker:

This letter transmits proposed revisions of the East Texas Regional Water Planning Area (Region I) municipal population and demand projections developed by the Texas Water Development Board (TWDB) for the 2026 Regional Water Plan (2026 Plan). These recommendations were adopted by the East Texas Regional Water Planning Group (ETRWPG) at its general meeting held on June 21, 2023.

The Region I revised municipal demands shown in Table 1 incorporated mixed migrations rates at the county level, water user group (WUG) requested revisions to population, and the revised gallons per capita-day (GPCDs) for several WUGs within the East Texas Region. There was no alteration to the TWDB's methodology in calculating the municipal demands, only the numbers used in the calculation were adjusted per the information described above.

Table 1: Total Region I Municipal Water Demand Comparison

Scenario	2030	2040	2050	2060	2070	2080
Draft 2026 TWDB Projected Demand (acre-ft/year) (1.0 Migration * Base GPCDs ⁽¹⁾ Less Plumbing Code Savings)	179,954	181,583	182,018	181,552	181,141	180,791
Region I Revised Demand (Mixed Migration Rates Plus WUG Requested Pop. Revisions * Revised GPCDs)	213,976	219,541	224,659	225,975	227,523	229,320

⁽¹⁾GPCD: Gallons per capita per day

The revised recommended county-level and WUG population, GPCDs, and municipal water demand projections for 2030-2080 are presented in Attachment A, *WUGs_RevisedPCSMuniDemands_RegionI*, of this letter. The detailed revisions to populations and usage used in calculating the adjusted demand

Cheryl Bartlett, Administrative Contact | P.O. Box 635030 | Nacogdoches, Texas 75963-5030
Phone: 936-559-2525 | Fax: 936-559-2909 | regioniwater@gmail.com



Mr. Jeff Walker
August 10, 2023
Page 2

as well as supporting justification are detailed in Attachment B, *Region I Municipal Water Demand Projections Technical Memorandum*, with additional information included in the memorandum appendices.

The enclosure with this letter provides the proposed revisions in the format requested by the TWDB.

The ETRWPG appreciates the opportunity to submit these recommendations. Please do not hesitate to contact me if you have any questions.

Sincerely,

A handwritten signature in blue ink that reads "John M. Martin". The signature is fluid and cursive.

John Martin, Chair
East Texas Regional Water Planning Group

Enclosures

cc: Mr. Lann Bookout, Texas Water Development Board
Ms. Brigit Buff, P.E., Plummer Associates, Inc.
Mr. Jordan Skipwith, P.E., Freese and Nichols, Inc.

Appendix 2-C

Historical Estimates for Utility Water User Group in Region I

The following appendix includes a copy of the WUG Historical Estimates data from the TWDB. The summary is divided by Water User Group.



Appendix 2-B
Historical Estimates for Utility Water User Group in Region I

EntityName	Population within Region I					Net Use (ac-ft) within Region I				
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
Beaumont	124,420	124,154	123,888	123,623	123,358	22,934	20,857	22,527	20,103	21,102
Carthage	6,353	6,326	6,300	6,274	6,248	1,237	1,255	1,451	1,202	1,215
Center	4,958	4,925	4,892	4,860	4,828	1,650	1,726	1,792	1,879	2,188
Jacksonville	15,167	15,228	15,386	15,386	13,415	2,884	2,480	2,766	2,923	2,723
Lufkin	42,719	42,719	41,779	43,119	39,814	7,711	5,611	6,037	5,575	6,029
Nacogdoches	35,107	35,107	35,107	33,139	34,160	6,154	5,681	7,380	5,934	5,946
Port Arthur	46,190	46,360	46,530	46,701	46,872	14,305	16,012	16,843	14,398	15,905
Tyler	99,075	100,264	100,264	101,314	104,036	26,341	24,506	30,043	27,828	28,703
Alto	1,006	990	975	960	946	188	196	178	178	178
Alto Rural WSC	2,942	2,942	3,042	3,019	3,705	569	475	535	543	562
Appleby WSC	3,248	3,284	3,321	3,358	3,396	699	614	699	637	665
Arp	937	927	917	907	897	151	145	143	139	138
Beckville	789	777	765	753	741	99	91	66	83	83
Berryville	874	864	854	844	834	92	90	102	110	103
Bethel Ash WSC	2,709	2,720	2,731	2,743	2,754	175	180	205	184	193
Bevil Oaks	1,079	1,065	1,051	1,037	1,023	121	91	88	65	84
Bridge City	8,059	8,107	8,382	8,601	10,295	858	934	956	837	872
Brownsboro	910	922	922	917	1,052	152	167	168	155	170
Brushy Creek WSC	2,958	2,968	2,979	2,989	2,998	363	370	478	371	344
Bullard	2,703	2,817	2,888	3,180	3,808	574	557	617	601	673
Central WCID of Angelina County	5,750	5,778	5,806	5,835	5,864	502	475	557	491	527
Chandler	3,201	3,239	3,334	3,361	3,324	426	390	449	404	404
China	936	943	950	957	965	116	110	132	126	126
Colmesneil	729	724	719	715	713	150	162	140	140	140
Corrigan	1,260	1,249	1,239	1,229	1,219	214	222	132	210	202
County-Other, Anderson	6,220	6,228	6,541	6,220	4,499	201	216	239	210	192
County-Other, Angelina	5,973	5,891	4,767	2,905	5,751	200	179	176	183	179
County-Other, Cherokee	4,850	5,359	5,448	5,533	4,335	566	555	584	544	554
County-Other, Hardin	10,823	11,457	11,337	11,647	10,413	100	107	109	105	135
County-Other, Houston	3,798	3,992	4,064	3,783	3,702	76	79	81	81	74
County-Other, Jasper	15,888	15,670	15,789	15,185	11,957	218	266	319	262	340
County-Other, Jefferson	13,642	15,414	13,867	10,559	14,790	154	148	141	132	148
County-Other, Nacogdoches	6,505	6,223	6,295	7,696	5,785	185	171	190	172	161
County-Other, Newton	8,422	8,465	8,351	8,288	7,348	163	159	183	200	206
County-Other, Orange	19,302	19,230	20,223	17,904	18,486	252	223	240	247	200
County-Other, Panola	12,146	11,969	11,944	12,061	11,492	460	399	431	375	451
County-Other, Rusk	11,298	11,040	13,165	12,676	10,016	474	504	494	460	466
County-Other, Sabine	1,409	1,650	1,850	1,901	1,352	170	168	168	160	155
County-Other, San Augustine	3,243	3,199	3,201	3,227	2,729	112	102	106	103	112
County-Other, Shelby	10,505	10,598	10,653	10,660	9,525	127	129	126	129	129
County-Other, Smith	8,391	8,615	9,280	9,253	6,500	264	255	301	290	299
County-Other, Trinity	2,278	2,502	2,632	2,663	2,175	145	137	146	140	149
County-Other, Tyler	9,157	9,282	9,331	9,186	7,256	403	375	371	454	371
Craft Turney WSC	4,731	4,734	4,737	4,740	4,746	508	542	566	628	664
Crockett	6,494	6,439	6,384	6,330	6,275	1,146	996	1,190	997	960
Cushing	765	758	751	744	738	90	89	90	95	91
Dean WSC	3,922	3,922	3,969	4,103	4,190	428	531	652	610	583
Diboll	4,581	4,543	4,505	4,468	4,431	711	691	682	645	690
Elkhart	1,779	1,773	1,767	1,761	1,757	205	214	207	191	191
Frankston	1,041	1,032	1,023	1,014	1,005	97	170	176	178	175
Garrison	856	845	834	823	812	191	261	222	210	178
Grapeland	1,280	1,280	1,281	1,281	1,306	202	183	173	209	222



Appendix 2-B
Historical Estimates for Utility Water User Group in Region I

EntityName	Population within Region I					Net Use (ac-ft) within Region I				
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
Groves	16,522	16,633	16,745	16,858	16,971	2,222	2,030	2,087	1,960	2,097
Hemphill	1,198	1,198	1,208	1,191	1,050	586	275	284	267	163
Henderson	12,758	12,716	12,675	12,634	12,592	2,773	2,146	2,834	2,291	1,981
Hudson WSC	8,933	8,933	10,301	10,399	10,145	805	779	856	790	835
Huntington	2,096	2,087	2,078	2,070	2,064	233	254	256	269	252
Jackson WSC	2,713	2,753	2,793	2,834	2,876	258	270	264	262	263
Jasper	8,057	7,952	7,848	7,746	7,646	1,625	1,529	1,717	1,463	1,523
Jasper County WCID 1	2,038	2,027	2,016	2,006	1,997	191	211	222	225	203
Jefferson County WCID 10	4,279	4,175	4,073	3,974	3,877	579	592	633	611	608
Joaquin	812	792	772	753	734	174	137	169	156	122
Kirbyville	2,177	2,177	2,142	2,142	2,044	302	305	326	337	295
Kountze	1,957	2,019	2,054	2,099	2,105	263	255	258	243	235
Lilly Grove SUD	2,166	2,197	2,229	2,261	2,293	393	376	469	367	367
Lovelady	516	512	508	505	504	85	68	90	97	87
Lumberton MUD	21,745	21,845	21,946	22,047	22,148	2,066	2,127	2,211	2,192	2,322
Mauriceville SUD	9,959	9,969	9,979	9,989	10,002	738	738	576	793	774
Meeker MWD	3,184	3,014	2,853	2,701	2,557	252	291	374	381	394
Murchison	814	758	705	656	611	93	110	140	118	91
Nederland	17,807	17,830	18,243	18,264	19,113	2,087	2,070	2,203	2,137	2,329
New London	876	858	841	824	807	260	263	254	266	260
New Summerfield	1,005	982	959	937	915	134	114	123	120	114
Newton	1,761	1,728	1,696	1,664	1,633	307	309	350	350	350
North Cherokee WSC	3,903	3,931	3,959	3,987	4,016	462	483	495	434	496
North Hardin WSC	7,392	7,407	7,455	7,392	7,198	474	470	494	446	470
Orange	18,500	18,595	18,643	18,643	19,303	2,660	2,927	3,206	3,407	3,129
Overton	2,267	2,267	2,029	2,040	1,932	473	500	442	431	439
Palestine	17,339	17,324	17,309	17,294	17,275	2,845	2,786	2,643	2,609	2,712
Pinehurst	2,000	2,051	1,946	1,953	2,048	260	244	252	249	346
Pineland	938	938	938	938	963	131	131	155	125	186
Port Neches	13,429	13,489	13,549	13,609	13,670	1,532	1,599	1,659	1,548	1,576
Rusk	5,333	5,298	5,264	5,230	5,196	834	796	801	845	916
Rusk Rural WSC	3,473	3,452	3,431	3,410	3,390	253	275	320	320	297
San Augustine	2,006	1,989	1,972	1,955	1,938	474	392	526	603	645
Silsbee	7,254	7,293	7,333	7,373	7,413	867	803	903	906	830
Sour Lake	1,598	1,587	1,576	1,565	1,554	307	307	308	268	265
South Newton WSC	3,244	3,198	3,152	3,107	3,062	437	427	442	442	339
Southern Utilities	37,455	37,715	38,283	38,814	40,049	6,780	6,622	6,792	7,033	6,733
Swift WSC	2,333	2,345	2,357	2,369	2,381	331	310	342	348	343
Tatum	1,633	1,622	1,611	1,600	1,588	188	201	224	224	224
Tenaha	951	937	923	910	897	245	237	254	232	279
Timpson	1,072	1,056	1,040	1,025	950	180	185	185	203	203
Troup	1,929	1,941	1,953	1,966	1,980	375	345	353	386	324
Tyler County SUD	3,312	3,291	3,270	3,249	3,227	516	571	664	682	634
Orange County WCID 1	17,615	17,535	14,879	14,879	13,292	1,309	1,271	1,205	1,226	1,264
Walston Springs WSC	2,833	2,856	2,879	2,902	2,926	400	396	370	361	328
Wells	729	736	743	750	756	103	117	100	114	107
West Hardin WSC	3,860	3,837	3,813	3,789	3,766	292	309	281	396	362
West Jefferson County MWD	8,101	8,102	8,103	8,104	8,106	869	786	976	910	811
Orange County WCID 2	3,141	3,137	3,133	3,129	3,122	307	324	395	373	368
Whitehouse	7,204	7,226	7,248	7,270	7,291	887	834	863	857	914
Woodville	4,032	4,039	4,046	4,053	4,058	1,140	1,146	1,236	1,118	941
Zavalla	718	718	781	781	670	87	91	103	103	103



Appendix 2-B
Historical Estimates for Utility Water User Group in Region I

EntityName	Population within Region I					Net Use (ac-ft) within Region I				
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
Angelina WSC	2,825	2,832	2,839	2,846	2,853	247	219	254	245	245
Redland WSC	2,503	2,510	2,517	2,524	2,530	188	188	228	207	218
D and M WSC	6,912	6,930	6,948	6,966	6,982	578	565	570	592	606
Melrose WSC	2,306	2,307	2,308	2,309	2,311	590	590	590	590	590
Woden WSC	2,221	2,179	2,138	2,098	2,058	207	216	198	252	240
Four Pines WSC	3,460	3,414	3,368	3,323	3,279	255	250	266	253	268
Four Way SUD	4,979	5,028	4,935	4,944	5,088	514	483	491	459	477
G M WSC	6,329	6,263	6,198	6,134	6,071	588	619	617	613	683
Chalk Hill SUD	3,039	2,994	2,950	2,907	2,865	275	262	272	299	288
Cross Roads SUD	2,823	2,861	2,900	2,939	2,979	253	245	244	244	285
Orangefield WSC	4,767	4,817	4,794	6,720	6,458	563	519	627	696	696
Walnut Grove WSC	9,175	9,285	9,396	9,509	9,623	890	805	887	865	912
Wright City WSC	2,321	2,167	2,024	1,890	1,765	207	199	221	210	217
The Consolidated WSC	9,440	9,607	9,777	9,950	10,127	0	0	0	0	1,756
Afton Grove WSC	1,428	1,440	1,452	1,464	1,412	123	134	132	107	118
Anderson County Cedar Creek WSC	715	708	701	695	690	120	120	103	94	98
B B S WSC	966	978	989	1,001	1,012	115	134	134	134	134
B C Y WSC	1,696	1,674	1,652	1,630	1,608	289	271	235	256	209
Blackjack WSC	644	652	637	595	517	108	106	110	106	110
Brookeland FWSD	1,486	1,433	1,381	1,331	1,284	178	173	136	193	205
Caro WSC	2,319	2,337	2,355	2,373	2,391	358	358	335	335	335
Centerville WSC	706	697	689	681	673	82	93	134	98	108
Chester WSC	910	910	910	910	908	153	153	153	153	153
Choice WSC	768	769	770	771	772	115	115	115	115	115
Crystal Farms WSC	1,172	1,183	1,187	1,187	1,234	115	126	125	128	131
Cypress Creek WSC	637	627	617	608	599	66	71	76	67	71
Damascus-Stryker WSC	1,392	1,389	1,386	1,383	1,326	111	107	122	114	102
East Lamar WSC	704	705	706	707	711	93	87	98	82	88
Ebenezer WSC	606	622	634	686	737	109	127	159	70	70
Emerald Bay MUD	935	943	951	959	967	240	194	191	189	203
Etoile WSC	1,070	1,070	1,070	1,070	1,350	214	158	164	117	125
Five Way WSC	1,176	1,173	1,170	1,167	1,163	156	156	156	156	156
Flat Fork WSC	690	675	661	647	633	122	120	135	133	133
Frankston Rural WSC	1,421	1,447	1,474	1,501	1,529	227	179	202	190	235
Gaston WSC	1,348	1,355	1,362	1,369	1,376	144	147	169	149	135
Goodsprings WSC	2,700	2,871	2,331	2,331	2,323	223	199	204	216	247
Gum Creek WSC	1,268	1,276	1,284	1,290	1,112	131	93	100	95	92
Hardin County WCID 1	963	965	967	969	968	126	96	112	111	112
Huxley	1,373	1,329	1,286	1,245	1,205	244	232	221	220	196
Jacobs WSC	833	1,097	1,445	1,904	2,508	123	119	127	124	117
Kelly G Brewer	1,073	1,075	1,077	1,079	1,079	52	42	42	42	44
Leagueville WSC	1,842	1,879	1,907	1,912	1,937	167	167	187	179	182
M and M WSC	2,871	2,891	2,874	2,876	3,125	268	286	266	258	281
McClelland WSC	1,093	1,078	1,063	1,048	1,033	160	175	193	190	210
Minden Brachfield WSC	1,942	1,963	1,984	2,005	2,026	187	182	207	228	185
Moore Station WSC	1,624	1,659	1,695	1,732	1,769	105	92	205	255	325
Moscow WSC	423	453	486	520	471	119	69	96	99	45
Mt Enterprise WSC	1,443	1,439	1,435	1,431	1,430	206	212	240	223	211
Neches WSC	1,338	1,302	1,267	1,233	1,199	145	128	139	142	160
New Prospect WSC	1,014	1,002	990	978	967	132	132	133	132	132
Norwood WSC	802	820	836	844	956	108	116	116	111	119
Panola-Bethany WSC	942	926	910	894	879	190	160	176	167	155



EntityName	Population within Region I					Net Use (ac-ft) within Region I				
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
Pennington WSC	864	856	849	842	834	136	150	161	172	129
Pleasant Springs WSC	800	819	839	859	880	102	95	115	112	160
Pollok-Redtown WSC	1,796	1,798	1,800	1,802	1,817	158	149	170	165	209
Rayburn Country MUD	962	936	911	887	863	299	324	303	302	295
Rural WSC	1,165	1,154	1,143	1,132	1,122	113	113	113	113	113
San Augustine Rural WSC	1,185	1,201	1,218	1,235	1,450	125	188	227	210	241
Sand Hills WSC	1,481	1,481	1,487	1,487	1,567	163	132	145	157	249
Slocum WSC	2,639	2,669	2,700	2,731	2,761	224	224	163	155	153
South Jasper County WSC	1,718	1,718	1,770	1,804	2,279	129	129	145	143	159
South Rusk County WSC	1,410	1,412	1,414	1,416	1,422	224	254	255	268	227
TDCJ Beto Gurney and Powledge Units	3,448	3,448	3,448	3,448	4,311	1,804	1,624	1,585	1,735	1,685
TDCJ Coffield Michael	5,818	5,802	5,786	5,770	5,755	2,394	2,194	2,306	2,388	2,400
TDCJ Eastham Unit	2,465	2,464	2,463	2,462	2,464	954	939	930	1,017	1,067
Tucker WSC	988	977	966	956	946	92	105	134	134	111
Upper Jasper County Water Authority	2,396	2,722	3,093	3,514	3,994	248	235	230	242	293
Warren WSC	1,460	1,592	1,736	1,893	2,064	99	99	98	98	101
West Jacksonville WSC	1,492	1,521	1,551	1,582	1,613	153	157	190	203	203
Wildwood POA	1,082	1,073	1,064	1,055	1,045	143	127	144	136	146
Woodlawn WSC	2,037	2,046	2,055	2,065	2,077	122	146	146	137	136
Bon Wier WSC	500	492	485	478	470	82	66	102	102	102
New WSC	1,575	1,556	1,537	1,518	1,499	69	84	114	121	115
Nome	533	526	519	512	505	89	101	105	120	145
Clayton WSC	160	161	163	165	169	79	86	224	170	160
Deberry WSC	558	551	544	537	530	113	80	86	98	96
Denning WSC	224	221	218	215	212	131	107	121	136	116
Hollands Quarter WSC	985	979	973	967	959	137	123	106	117	89
Rehobeth WSC	616	610	604	598	592	103	81	82	85	78
Seneca WSC	797	791	785	779	774	119	119	119	119	119
South Kirbyville Rural WSC	1,049	1,040	1,031	1,022	1,015	96	109	91	91	99
Federal Correctional Complex Beaumont	4,369	4,405	4,441	4,477	4,514	0	0	0	620	586