Region I
East Texas Regional
Water Planning Group

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

March XX, 2024

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

Re: East Texas Regional Water Planning Group
Task 4C Technical Memorandum

Dear Mr. Walker:

This letter transmits the East Texas Regional Water Planning Area (Region I) Task 4C Technical Memorandum for the 2026 Regional Water Plan. This technical memorandum was approved by the East Texas Regional Water Planning Group at its general meeting held on February 15, 2024. [To be updated after the February Meeting.] An electronic copy of the Technical Memorandum is included with this transmittal with the following attachments, each of which is briefly described below:

Attachment 1. Data Reports (TWDB DB27 Reports)

- 2026 RWP WUG Population - Data on population projections by WUG, county, and river basin
- 2026 RWP WUG Demand - Data on water demand projections by WUG, county, and river basin
- 2026 RWP Source Availability - Data on water availability by source
- 2026 RWP WUG Existing Water Supply - Data on existing water supplies by WUG, county, and river basin
- 2026 RWP WUG Needs/Surplus - Data on identified water needs by WUG, county, and river basin
- 2026 RWP WUG Data Comparison to 2021 RWP - Comparison of supply, demand, and needs between 2021 and 2026 RWP at a county level
- 2026 RWP Source Data Comparison to 2021 RWP - Comparison of availability by source type between 2021 and 2026 RWP at a county level

Attachment 2. Identification of Feasible Water Management Strategies (WMSs)

- Documented process used by RWPG to identify potentially feasible WMSs
- List of all potentially feasible WMSs identified by RWPG to date

Attachment 3. Hydrologic Variance Requests[1]

- Copies of hydrologic variance requests submitted by the region to TWDB
- Copies of TWDB's approval of any hydrologic variances to date

Attachment 4. Memorandum of WAM Modifications

[1] A table showing original unmodified firm yield or MAG value and alternative availability for planning purposes is not included in Attachment 3 in this technical memorandum. See Attachment 4 for details.

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

- Documentation of methodology for calculating sedimentation rate
- Documentation of methodology for revising the area-capacity rating curve

Attachment 5. Hydrologic Models

- Table providing details of hydrologic models used (name, version date, input/output files, date used, comments)

Attachment 6. Groundwater Availability

- Table providing aquifer, county, and methodology descriptions

Attachment 7. Interregional Coordination

- Summary of the region's interregional coordination efforts to date

Attachment 8. Infeasible Water Management Strategies (WMSs)

- Statement indicating that no infeasible WMS or WMSs were identified

Attachment 9. Model Input/Output Files

This transmittal also includes the electronic input/output model files necessary to support replication of results as required by the TWDB Exhibit C, Second Amended General Guidelines for Development of the 2026 Regional Water Plans, September 2023.

Please feel free to contact the ETRWPG consulting team or me at (409) 383-1577 with any questions regarding this transmittal.

Sincerely,

John Martin, Interim Chair
East Texas Regional Water Planning Group

Enclosures
Region I Task 4C Technical Memorandum
Region I WAM Input/Output Files

cc: Lann Bookout, Texas Water Development Board
Cheryl Bartlett, City of Nacogdoches
Brigit Buff, PE, Plummer Associates, Inc.
Jordan Skipwith, PE, Freese and Nichols, Inc.

Attachment 1

Data Reports (TWDB DB27 Reports)

DRAFT Region I Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Anderson County Total	**59,147**	**59,243**	**58,964**	**58,619**	**58,279**	**57,944**
Anderson County / Neches Basin Total	**22,380**	**22,494**	**22,424**	**22,347**	**22,277**	**22,221**
Berryville	15	15	15	15	15	14
Brushy Creek WSC*	1,881	1,878	1,853	1,830	1,806	1,783
Frankston	1,001	1,000	987	974	962	949
Frankston Rural WSC	1,563	1,561	1,540	1,521	1,502	1,482
Neches WSC	1,226	1,224	1,208	1,193	1,177	1,162
Norwood WSC	914	913	902	891	880	867
Palestine	9,339	9,329	9,215	9,104	8,993	8,882
Slocum WSC	2,599	2,595	2,561	2,529	2,496	2,464
Walston Springs WSC	2,302	2,496	2,707	2,936	3,184	3,453
County-Other	1,540	1,483	1,436	1,354	1,262	1,165
Anderson County / Trinity Basin Total	**36,767**	**36,749**	**36,540**	**36,272**	**36,002**	**35,723**
Anderson County Cedar Creek WSC	706	705	696	686	677	669
B B S WSC*	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
Brushy Creek WSC*	931	930	918	906	895	883
Elkhart	1,796	1,795	1,774	1,752	1,732	1,711
Four Pines WSC	3,351	3,351	3,319	3,287	3,256	3,223
Norwood WSC	63	63	62	61	60	60
Palestine	8,319	8,310	8,208	8,109	8,011	7,911
Pleasant Springs WSC	900	899	887	876	866	854
Slocum WSC	224	224	221	218	215	213
TDCJ Beto Gurney & Powledge Units	4,311	4,311	4,311	4,311	4,311	4,311
TDCJ Coffield Michael	5,755	5,755	5,755	5,755	5,755	5,755
The Consolidated WSC	2,809	2,852	2,896	2,940	2,985	3,031
Tucker WSC	967	966	953	941	929	917
Walston Springs WSC	871	945	1,025	1,111	1,205	1,307
County-Other	3,055	2,940	2,847	2,684	2,504	2,311
Angelina County Total	**88,634**	**90,179**	**90,902**	**91,791**	**92,671**	**93,542**
Angelina County / Neches Basin Total	**88,634**	**90,179**	**90,902**	**91,791**	**92,671**	**93,542**
Angelina WSC	3,845	3,913	3,941	3,979	4,017	4,052
Central WCID of Angelina County	6,016	6,124	6,181	6,242	6,303	6,364
Diboll	4,546	4,630	4,680	4,728	4,776	4,823
Four Way SUD	5,220	5,309	5,348	5,399	5,452	5,501
Hudson WSC	10,407	10,587	10,667	10,771	10,873	10,975

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DRAFT Region I Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Huntington	2,117	2,154	2,172	2,193	2,214	2,235
Lufkin	40,845	41,558	41,880	42,290	42,694	43,097
M & M WSC	3,205	3,262	3,284	3,317	3,348	3,379
Pollok-Redtown WSC	1,786	1,816	1,830	1,848	1,866	1,884
Redland WSC	2,596	2,640	2,660	2,685	2,711	2,736
Upper Jasper County Water Authority	249	248	248	248	248	248
Woodlawn WSC	2,130	2,167	2,182	2,205	2,226	2,246
Zavalla	688	699	705	711	717	725
County-Other	4,984	5,072	5,124	5,175	5,226	5,277
Cherokee County Total	**50,217**	**49,789**	**48,968**	**48,043**	**47,127**	**46,220**
Cherokee County / Neches Basin Total	**50,217**	**49,789**	**48,968**	**48,043**	**47,127**	**46,220**
Afton Grove WSC	1,439	1,477	1,518	1,562	1,608	1,657
Alto	940	930	914	892	873	852
Alto Rural WSC	4,021	4,398	4,813	5,275	5,786	6,353
Blackjack WSC	515	509	499	488	477	465
Bullard	375	371	365	356	349	340
Craft Turney WSC	4,720	4,671	4,580	4,478	4,377	4,274
Gum Creek WSC	1,106	1,095	1,073	1,050	1,025	1,001
Jacksonville	13,352	13,218	12,975	12,705	12,435	12,165
New Summerfield	910	900	883	863	844	824
North Cherokee WSC	3,995	3,952	3,875	3,789	3,704	3,616
Pollok-Redtown WSC	75	74	74	72	70	68
Rusk	5,226	5,252	5,265	5,272	5,291	5,322
Rusk Rural WSC	3,378	3,353	3,301	3,240	3,182	3,126
South Rusk County WSC	27	28	26	27	23	23
Southern Utilities*	3,372	3,336	3,271	3,198	3,126	3,053
Troup	59	58	57	56	55	53
Walnut Grove WSC	81	81	79	78	76	74
Wells	793	838	886	937	993	1,054
West Jacksonville WSC	1,605	1,588	1,556	1,523	1,487	1,453
Wright City WSC	325	320	314	308	300	294
County-Other	3,903	3,340	2,644	1,874	1,046	153
Hardin County Total	**67,850**	**75,133**	**81,452**	**79,574**	**77,719**	**75,894**
Hardin County / Neches Basin Total	**67,658**	**74,945**	**81,271**	**79,403**	**77,558**	**75,742**
Hardin County WCID 1	985	1,003	1,021	1,039	1,058	1,077
Kountze	2,141	2,129	2,103	2,057	2,010	1,965

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DRAFT Region I Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Lumberton MUD	33,189	40,689	47,439	46,337	45,245	44,174
North Hardin WSC	8,016	8,228	8,445	8,668	8,896	9,131
Silsbee	7,825	8,260	8,719	9,203	9,714	10,253
Sour Lake	1,580	1,570	1,549	1,514	1,478	1,444
West Hardin WSC*	3,736	3,712	3,664	3,579	3,496	3,414
Wildwood POA	625	620	612	598	584	570
County-Other	9,561	8,734	7,719	6,408	5,077	3,714
Hardin County / Trinity Basin Total	**192**	**188**	**181**	**171**	**161**	**152**
Lake Livingston WSC*	146	146	144	140	137	134
County-Other	46	42	37	31	24	18
Henderson County Total	**25,474**	**26,404**	**26,918**	**27,503**	**28,080**	**28,649**
Henderson County / Neches Basin Total	**25,474**	**26,404**	**26,918**	**27,503**	**28,080**	**28,649**
Athens*	210	213	211	211	211	211
Berryville	727	697	752	757	762	766
Bethel Ash WSC*	2,752	2,773	2,885	2,932	2,978	3,022
Brownsboro	1,285	1,395	1,377	1,419	1,461	1,503
Brushy Creek WSC*	30	31	30	30	30	30
Chandler	4,095	5,045	6,216	7,658	9,435	11,624
Edom WSC*	262	284	280	289	297	306
Frankston	35	39	38	40	41	43
Leagueville WSC	2,230	2,374	2,374	2,438	2,502	2,566
Moore Station WSC	2,134	2,307	2,283	2,352	2,421	2,489
Murchison	576	567	600	607	613	619
R P M WSC*	415	458	446	461	476	491
Virginia Hill WSC*	1,693	1,752	1,788	1,827	1,865	1,903
County-Other*	9,030	8,469	7,638	6,482	4,988	3,076
Houston County Total	**21,221**	**20,385**	**19,547**	**19,032**	**18,522**	**18,017**
Houston County / Neches Basin Total	**3,355**	**2,657**	**2,132**	**1,648**	**1,242**	**883**
Grapeland	540	551	566	573	579	586
Pennington WSC*	148	134	114	107	99	90
The Consolidated WSC	175	182	190	194	197	201
County-Other	2,492	1,790	1,262	774	367	6
Houston County / Trinity Basin Total	**17,866**	**17,728**	**17,415**	**17,384**	**17,280**	**17,134**
Crockett	6,099	5,743	5,184	5,032	4,827	4,583
Grapeland	796	812	835	844	854	864

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	2030	2040	2050	2060	2070	2080
Lovelady	483	463	443	433	425	417
Pennington WSC*	279	253	215	203	186	170
TDCJ Eastham Unit	2,464	2,464	2,464	2,464	2,464	2,464
The Consolidated WSC	7,548	7,852	8,174	8,347	8,495	8,636
County-Other	197	141	100	61	29	0
Jasper County Total	**31,617**	**30,090**	**28,222**	**26,537**	**24,869**	**23,217**
Jasper County / Neches Basin Total	**18,220**	**17,215**	**15,969**	**14,820**	**13,646**	**12,434**
Brookeland FWSD	289	274	256	239	224	207
Jasper	7,304	6,963	6,545	6,168	5,793	5,426
Rayburn Country MUD	825	783	732	687	641	596
Rural WSC	1,074	1,019	953	893	833	774
South Jasper County WSC	555	527	493	462	431	401
Upper Jasper County Water Authority	2,676	2,543	2,376	2,229	2,082	1,935
County-Other	5,497	5,106	4,614	4,142	3,642	3,095
Jasper County / Sabine Basin Total	**13,397**	**12,875**	**12,253**	**11,717**	**11,223**	**10,783**
Jasper	35	34	32	30	28	26
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
Mauriceville SUD	148	152	149	143	135	127
South Jasper County WSC	1,625	1,542	1,441	1,352	1,262	1,172
South Kirbyville Rural WSC	901	932	972	1,023	1,092	1,186
Upper Jasper County Water Authority	914	868	812	761	711	661
County-Other	5,791	5,378	4,860	4,364	3,837	3,260
Jefferson County Total	**260,350**	**262,787**	**262,035**	**258,655**	**255,308**	**251,994**
Jefferson County / Neches Basin Total	**51,461**	**52,564**	**53,452**	**52,747**	**52,047**	**51,355**
Beaumont	39,818	40,919	42,050	41,504	40,964	40,429
Bevil Oaks	1,039	1,049	1,047	1,035	1,021	1,009
China	9	9	9	9	9	9
Groves	523	523	523	523	523	523
Jefferson County WCID 10	579	584	583	576	569	562
Meeker MWD	697	704	702	694	685	677
Nederland	664	671	669	661	653	645
Nome	357	361	359	355	350	346
Port Neches	7,075	7,147	7,127	7,041	6,956	6,872
County-Other	700	597	383	349	317	283

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DRAFT Region I Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Jefferson County / Neches-Trinity Basin Total	**208,889**	**210,223**	**208,583**	**205,908**	**203,261**	**200,639**
Beaumont	86,992	89,396	91,866	90,675	89,494	88,326
China	971	981	979	967	955	943
Federal Correctional Complex Beaumont	4,514	4,514	4,514	4,514	4,514	4,514
Groves	16,448	16,448	16,448	16,448	16,448	16,448
Jefferson County WCID 10	3,360	3,394	3,385	3,343	3,303	3,263
Meeker MWD	1,901	1,920	1,914	1,891	1,868	1,847
Nederland	18,753	18,941	18,888	18,660	18,435	18,214
Nome	156	158	157	156	154	152
Port Arthur	47,614	48,091	47,961	47,383	46,812	46,249
Port Neches	6,812	6,880	6,861	6,778	6,696	6,615
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
County-Other	12,978	11,058	7,095	6,475	5,867	5,246
Nacogdoches County Total	**69,121**	**71,271**	**73,210**	**76,305**	**79,370**	**82,405**
Nacogdoches County / Neches Basin Total	**69,121**	**71,271**	**73,210**	**76,305**	**79,370**	**82,405**
Appleby WSC	3,646	3,766	3,876	4,060	4,242	4,421
Caro WSC	2,567	2,652	2,729	2,859	2,987	3,112
Cushing	792	819	842	882	922	960
D & M WSC	7,496	7,743	7,968	8,346	8,720	9,086
Etoile WSC	1,450	1,497	1,541	1,614	1,686	1,757
Garrison	862	889	911	948	985	1,020
Lilly Grove SUD	2,461	2,541	2,614	2,736	2,856	2,975
Melrose WSC	2,482	2,564	2,638	2,764	2,886	3,009
Nacogdoches	36,389	37,462	38,422	39,870	41,314	42,756
Swift WSC	2,556	2,641	2,717	2,848	2,975	3,100
Woden WSC	2,211	2,283	2,349	2,461	2,571	2,679
County-Other	6,209	6,414	6,603	6,917	7,226	7,530
Newton County Total	**11,193**	**10,105**	**8,921**	**7,830**	**6,750**	**5,681**
Newton County / Sabine Basin Total	**11,193**	**10,105**	**8,921**	**7,830**	**6,750**	**5,681**
Bon Wier WSC	418	363	305	252	200	147
Brookeland FWSD	395	357	316	279	242	206
Mauriceville SUD	468	468	439	397	349	298
Newton	1,506	1,371	1,223	1,087	956	832
South Kirbyville Rural WSC	124	111	98	87	75	64
South Newton WSC	1,641	1,483	1,312	1,157	1,004	858

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	WUG Population					
	2030	2040	2050	2060	2070	2080
County-Other	6,641	5,952	5,228	4,571	3,924	3,276
Orange County Total	**87,065**	**88,479**	**88,819**	**87,583**	**86,365**	**85,164**
Orange County / Neches Basin Total	**25,686**	**25,368**	**25,242**	**24,306**	**23,442**	**22,618**
Bridge City	2,064	2,216	2,237	2,300	2,360	2,415
Kelly G Brewer	519	523	525	514	503	493
Mauriceville SUD	1,034	1,094	1,127	1,137	1,134	1,124
Orange County WCID 1	10,545	10,072	10,047	9,392	8,767	8,167
Orangefield WSC	3,234	3,699	4,231	4,839	5,535	6,331
County-Other	8,290	7,764	7,075	6,124	5,143	4,088
Orange County / Neches-Trinity Basin Total	**1,309**	**1,404**	**1,415**	**1,453**	**1,490**	**1,522**
Bridge City	1,294	1,390	1,402	1,442	1,480	1,514
County-Other	15	14	13	11	10	8
Orange County / Sabine Basin Total	**60,070**	**61,707**	**62,162**	**61,824**	**61,433**	**61,024**
Bridge City	8,503	9,131	9,216	9,479	9,722	9,949
Kelly G Brewer	572	577	579	567	556	544
Mauriceville SUD	9,756	10,322	10,642	10,732	10,702	10,613
Orange	20,001	20,422	20,510	20,303	20,096	19,889
Orange County WCID 1	1,688	1,613	1,608	1,504	1,403	1,308
Orange County WCID 2	3,082	3,067	3,072	2,978	2,887	2,799
Orangefield WSC	4,152	4,749	5,431	6,212	7,105	8,126
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
County-Other	8,876	8,313	7,576	6,557	5,506	4,376
Panola County Total	**21,909**	**21,174**	**20,156**	**19,357**	**18,566**	**17,783**
Panola County / Cypress Basin Total	**44**	**39**	**35**	**32**	**29**	**27**
Panola-Bethany WSC*	39	35	31	28	25	23
County-Other	5	4	4	4	4	4
Panola County / Sabine Basin Total	**21,865**	**21,135**	**20,121**	**19,325**	**18,537**	**17,756**
Beckville	654	581	519	466	421	383
Carthage	6,237	6,186	6,098	5,982	5,870	5,760
Clayton WSC	188	206	228	238	249	260
Deberry WSC	477	420	345	299	253	206
Elysian Fields WSC*	39	41	42	45	46	46

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	2030	2040	2050	2060	2070	2080
Gill WSC*	561	525	477	445	413	381
Hollands Quarter WSC	928	888	836	797	758	721
Minden Brachfield WSC	114	136	165	181	197	212
Panola-Bethany WSC*	686	611	548	494	448	409
Rehobeth WSC	544	492	423	378	333	290
Tatum	173	134	104	80	61	46
County-Other	11,264	10,915	10,336	9,920	9,488	9,042
Polk County Total	**9,173**	**9,905**	**10,267**	**10,662**	**11,051**	**11,434**
Polk County / Neches Basin Total	**9,173**	**9,905**	**10,267**	**10,662**	**11,051**	**11,434**
Chester WSC	289	312	323	336	348	360
Corrigan	1,409	1,519	1,572	1,630	1,688	1,744
Damascus-Stryker WSC	1,544	1,668	1,729	1,797	1,862	1,927
Lake Livingston WSC*	1,115	1,205	1,250	1,298	1,346	1,392
Leggett WSC*	14	15	16	16	17	17
Moscow WSC*	590	636	660	686	711	735
Soda WSC*	150	162	169	175	182	188
County-Other*	4,062	4,388	4,548	4,724	4,897	5,071
Rusk County Total	**51,024**	**49,735**	**47,635**	**45,260**	**42,908**	**40,579**
Rusk County / Neches Basin Total	**23,317**	**22,496**	**21,290**	**19,933**	**18,560**	**17,164**
Ebenezer WSC	717	696	660	620	581	542
Garrison	4	4	3	3	3	3
Gaston WSC	1,339	1,298	1,232	1,159	1,086	1,013
Goodsprings WSC	2,261	2,191	2,081	1,957	1,833	1,709
Henderson	9,540	9,445	9,386	9,378	9,408	9,482
Jacobs WSC	39	41	44	47	50	54
Minden Brachfield WSC	1,258	1,220	1,159	1,091	1,021	952
Mt Enterprise WSC	1,392	1,349	1,281	1,204	1,128	1,052
New London	456	442	421	396	372	347
Overton*	185	180	171	161	152	142
South Rusk County WSC	1,356	1,314	1,249	1,174	1,100	1,025
Wright City WSC	155	151	143	135	126	118
County-Other	4,615	4,165	3,460	2,608	1,700	725
Rusk County / Sabine Basin Total	**27,707**	**27,239**	**26,345**	**25,327**	**24,348**	**23,415**
Chalk Hill SUD*	2,772	2,686	2,551	2,399	2,247	2,095
Cross Roads SUD*	2,814	2,924	3,048	3,195	3,363	3,556

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DRAFT Region I Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Crystal Farms WSC	1,349	1,482	1,634	1,812	2,016	2,255
Elderville WSC*	1,497	1,451	1,378	1,296	1,215	1,133
Henderson	2,869	2,840	2,822	2,820	2,829	2,852
Jacobs WSC	2,606	2,762	2,936	3,140	3,371	3,637
Kilgore*	3,657	3,550	3,377	3,183	2,990	2,796
Minden Brachfield WSC	626	607	576	542	508	473
New London	330	320	304	286	269	251
New Prospect WSC	942	911	866	815	763	711
Overton*	1,775	1,722	1,639	1,546	1,452	1,360
Southern Utilities*	408	396	375	353	331	307
Tatum	1,329	1,288	1,223	1,151	1,078	1,005
West Gregg SUD*	87	106	132	163	204	255
County-Other	4,646	4,194	3,484	2,626	1,712	729
Sabine County Total	**9,225**	**8,415**	**7,671**	**7,226**	**6,785**	**6,348**
Sabine County / Neches Basin Total	**2,500**	**2,277**	**2,073**	**1,951**	**1,830**	**1,708**
Brookeland FWSD	451	411	373	352	330	308
G M WSC	1,151	1,048	954	897	841	785
Pineland	898	818	746	702	659	615
Sabine County / Sabine Basin Total	**6,725**	**6,138**	**5,598**	**5,275**	**4,955**	**4,640**
Brookeland FWSD	63	58	52	50	46	43
G M WSC	4,352	3,965	3,608	3,393	3,180	2,968
Hemphill	982	903	830	787	746	706
New WSC	66	59	54	50	48	45
County-Other	1,262	1,153	1,054	995	935	878
San Augustine County Total	**7,322**	**6,728**	**6,204**	**5,805**	**5,410**	**5,019**
San Augustine County / Neches Basin Total	**6,773**	**6,245**	**5,782**	**5,424**	**5,072**	**4,731**
Choice WSC	18	16	15	13	12	12
Denning WSC	192	173	156	145	134	123
New WSC	1,253	1,128	1,020	948	876	808
San Augustine	1,817	1,731	1,682	1,655	1,654	1,689
San Augustine Rural WSC	1,503	1,644	1,743	1,704	1,659	1,609
Sand Hills WSC	34	41	48	48	47	47
County-Other	1,956	1,512	1,118	911	690	443
San Augustine County / Sabine Basin Total	**549**	**483**	**422**	**381**	**338**	**288**
G M WSC	160	155	151	144	137	129

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DRAFT Region I Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
San Augustine Rural WSC	84	92	97	95	93	90
County-Other	305	236	174	142	108	69
Shelby County Total	**23,697**	**23,320**	**22,721**	**22,141**	**21,567**	**20,999**
Shelby County / Neches Basin Total	**2,610**	**2,764**	**2,930**	**3,019**	**3,104**	**3,186**
Choice WSC	205	219	237	257	281	310
Sand Hills WSC	949	1,082	1,265	1,373	1,487	1,606
Timpson	13	11	9	8	6	5
County-Other	1,443	1,452	1,419	1,381	1,330	1,265
Shelby County / Sabine Basin Total	**21,087**	**20,556**	**19,791**	**19,122**	**18,463**	**17,813**
Center	4,764	4,690	4,574	4,459	4,344	4,233
Choice WSC	593	634	684	743	813	897
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
Huxley	1,599	1,367	1,180	1,028	903	801
Joaquin	586	469	379	299	236	187
McClelland WSC	946	846	701	601	500	393
New WSC	59	69	82	90	98	108
Sand Hills WSC	804	916	1,071	1,163	1,259	1,360
Tenaha	817	725	595	505	412	317
Timpson	852	754	614	518	421	319
County-Other	7,616	7,663	7,487	7,287	7,016	6,678
Smith County Total	**210,383**	**229,453**	**248,636**	**259,642**	**271,158**	**283,249**
Smith County / Neches Basin Total	**210,383**	**229,453**	**248,636**	**259,642**	**271,158**	**283,249**
Arp	821	752	703	638	575	513
Ben Wheeler WSC*	28	34	38	42	45	48
Bullard	4,169	4,827	5,286	5,713	6,129	6,535
Carroll WSC*	668	742	794	838	882	925
Crystal Systems Texas*	422	494	544	590	636	680
Dean WSC	4,592	4,947	5,197	5,389	5,577	5,761
Emerald Bay MUD	1,029	1,084	1,122	1,166	1,166	1,166
Jackson WSC*	2,720	2,940	3,095	3,216	3,335	3,452
Liberty Utilities Silverleaf Water*	655	779	865	947	1,027	1,105
Lindale Rural WSC*	3,067	3,302	3,468	3,595	3,720	3,842
Lindale*	1,641	1,698	1,738	1,754	1,770	1,787

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DRAFT Region I Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Overton*	31	33	34	36	36	37
R P M WSC*	72	62	55	46	38	30
Southern Utilities*	40,550	43,682	45,885	47,577	49,237	50,867
Troup	2,002	2,072	2,122	2,142	2,162	2,182
Tyler*	118,744	133,041	149,059	157,803	167,059	176,859
Walnut Grove WSC	10,389	11,137	11,663	12,055	12,440	12,818
Whitehouse	7,404	7,494	7,561	7,506	7,457	7,412
Wright City WSC	1,324	1,370	1,418	1,468	1,519	1,572
County-Other*	10,055	8,963	7,989	7,121	6,348	5,658
Trinity County Total	**2,945**	**2,757**	**2,578**	**2,460**	**2,343**	**2,227**
Trinity County / Neches Basin Total	**2,945**	**2,757**	**2,578**	**2,460**	**2,343**	**2,227**
Centerville WSC	633	566	489	432	373	310
Groveton*	340	301	254	219	183	145
Pennington WSC*	189	152	127	106	88	74
County-Other*	1,783	1,738	1,708	1,703	1,699	1,698
Tyler County Total	**18,808**	**17,694**	**16,657**	**15,861**	**15,073**	**14,293**
Tyler County / Neches Basin Total	**18,808**	**17,694**	**16,657**	**15,861**	**15,073**	**14,293**
Chester WSC	593	518	439	381	318	253
Colmesneil	688	661	638	622	607	595
Cypress Creek WSC	522	462	410	365	326	294
Moscow WSC*	21	27	35	41	46	53
Seneca WSC	738	699	662	637	612	588
Tyler County SUD	3,104	2,970	2,859	2,778	2,703	2,639
Warren WSC	2,064	2,064	2,064	2,064	2,064	2,064
Wildwood POA	400	366	332	307	282	255
Woodville	4,200	4,404	4,643	4,903	5,205	5,563
County-Other	6,478	5,523	4,575	3,763	2,910	1,989
Region I Population Total	**1,126,375**	**1,153,046**	**1,170,483**	**1,169,886**	**1,169,921**	**1,170,658**

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DRAFT Region I Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Anderson County Total	**21,680**	**21,713**	**21,698**	**21,684**	**21,674**	**21,663**
Anderson County / Neches Basin Total	**8,312**	**8,372**	**8,406**	**8,443**	**8,486**	**8,531**
Berryville	2	2	2	2	2	2
Brushy Creek WSC*	288	286	282	278	275	272
Frankston	212	211	208	205	203	200
Frankston Rural WSC	236	234	231	228	225	222
Neches WSC	156	154	152	151	149	147
Norwood WSC	140	139	138	136	135	133
Palestine	3,024	3,014	2,977	2,941	2,906	2,869
Slocum WSC	299	297	293	289	285	282
Walston Springs WSC	334	361	391	424	460	499
County-Other	208	199	192	182	169	156
Manufacturing	1,686	1,748	1,813	1,880	1,950	2,022
Steam Electric Power	888	888	888	888	888	888
Livestock	442	442	442	442	442	442
Irrigation	397	397	397	397	397	397
Anderson County / Trinity Basin Total	**13,368**	**13,341**	**13,292**	**13,241**	**13,188**	**13,132**
Anderson County Cedar Creek WSC	114	114	112	110	109	108
B B S WSC*	138	137	135	133	132	130
B C Y WSC	264	262	258	255	252	249
Brushy Creek WSC*	142	141	140	138	136	134
Elkhart	304	303	299	296	292	289
Four Pines WSC	298	296	293	290	287	284
Norwood WSC	10	10	9	9	9	9
Palestine	2,693	2,685	2,652	2,620	2,588	2,556
Pleasant Springs WSC	194	194	191	189	187	184
Slocum WSC	26	26	25	25	25	24
TDCJ Beto Gurney & Powledge Units	1,741	1,738	1,738	1,738	1,738	1,738
TDCJ Coffield Michael	3,469	3,465	3,465	3,465	3,465	3,465
The Consolidated WSC	477	482	489	497	505	512
Tucker WSC	130	129	127	126	124	122
Walston Springs WSC	127	136	148	161	174	189
County-Other	412	394	382	360	336	310
Mining	34	34	34	34	34	34
Steam Electric Power	1,408	1,408	1,408	1,408	1,408	1,408
Livestock	879	879	879	879	879	879

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DRAFT Region I Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Irrigation	508	508	508	508	508	508
Angelina County Total	**19,373**	**19,767**	**20,112**	**20,483**	**20,854**	**21,235**
Angelina County / Neches Basin Total	**19,373**	**19,767**	**20,112**	**20,483**	**20,854**	**21,235**
Angelina WSC	355	359	361	365	368	372
Central WCID of Angelina County	620	631	637	643	650	656
Diboll	683	693	700	707	714	721
Four Way SUD	435	439	443	447	451	455
Hudson WSC	1,003	1,020	1,028	1,038	1,047	1,057
Huntington	261	264	266	269	271	274
Lufkin	6,592	6,674	6,726	6,792	6,857	6,922
M & M WSC	260	262	264	267	269	272
Pollok-Redtown WSC	197	199	200	202	204	206
Redland WSC	201	203	205	207	209	211
Upper Jasper County Water Authority	29	29	29	29	29	29
Woodlawn WSC	242	245	246	249	251	254
Zavalla	102	103	104	104	105	107
County-Other	538	545	551	556	562	567
Manufacturing	5,612	5,819	6,034	6,258	6,489	6,729
Mining	780	819	855	887	915	940
Livestock	684	684	684	684	684	684
Irrigation	779	779	779	779	779	779
Cherokee County Total	**10,434**	**10,388**	**10,323**	**10,250**	**10,185**	**10,123**
Cherokee County / Neches Basin Total	**10,434**	**10,388**	**10,323**	**10,250**	**10,185**	**10,123**
Afton Grove WSC	214	219	225	231	238	245
Alto	218	215	211	206	202	197
Alto Rural WSC	941	1,026	1,123	1,231	1,350	1,482
Blackjack WSC	102	100	98	96	94	92
Bullard	90	89	87	85	83	81
Craft Turney WSC	635	626	613	600	586	572
Gum Creek WSC	103	101	99	97	95	92
Jacksonville	2,576	2,541	2,494	2,442	2,390	2,338
New Summerfield	113	111	109	106	104	101
North Cherokee WSC	472	465	456	446	436	425
Pollok-Redtown WSC	8	8	8	8	8	7
Rusk	855	856	858	859	863	868

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DRAFT Region I Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Rusk Rural WSC	331	326	321	315	310	304
South Rusk County WSC	5	5	5	5	4	4
Southern Utilities*	652	642	630	616	602	588
Troup	11	11	11	11	11	10
Walnut Grove WSC	10	10	9	9	9	9
Wells	124	130	138	146	155	164
West Jacksonville WSC	231	227	222	218	213	208
Wright City WSC	47	46	46	45	43	43
County-Other	435	370	293	208	116	17
Manufacturing	82	85	88	91	94	97
Mining	187	187	187	187	187	187
Steam Electric Power	310	310	310	310	310	310
Livestock	1,231	1,231	1,231	1,231	1,231	1,231
Irrigation	451	451	451	451	451	451
Hardin County Total	**8,422**	**9,104**	**9,726**	**9,524**	**9,325**	**9,130**
Hardin County / Neches Basin Total	**8,406**	**9,088**	**9,711**	**9,510**	**9,312**	**9,118**
Hardin County WCID 1	130	131	134	136	139	141
Kountze	248	245	242	237	231	226
Lumberton MUD	3,329	4,054	4,727	4,617	4,508	4,401
North Hardin WSC	539	553	568	583	598	614
Silsbee	1,001	1,051	1,109	1,171	1,236	1,305
Sour Lake	296	293	289	282	276	269
West Hardin WSC*	385	383	378	369	360	352
Wildwood POA	118	117	116	113	110	108
County-Other	1,093	992	877	728	577	422
Manufacturing	64	66	68	71	74	77
Mining	13	13	13	13	13	13
Steam Electric Power	1	1	1	1	1	1
Livestock	200	200	200	200	200	200
Irrigation	989	989	989	989	989	989
Hardin County / Trinity Basin Total	**16**	**16**	**15**	**14**	**13**	**12**
Lake Livingston WSC*	10	10	10	9	9	9
County-Other	5	5	4	4	3	2
Livestock	1	1	1	1	1	1

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DRAFT Region I Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Henderson County Total	**9,022**	**9,207**	**9,355**	**9,563**	**9,800**	**10,078**
Henderson County / Neches Basin Total	**9,022**	**9,207**	**9,355**	**9,563**	**9,800**	**10,078**
Athens*	42	42	42	42	42	42
Berryville	95	90	97	98	99	99
Bethel Ash WSC*	269	270	281	285	290	294
Brownsboro	246	267	263	271	279	288
Brushy Creek WSC*	5	5	5	5	5	5
Chandler	676	831	1,023	1,261	1,553	1,914
Edom WSC*	35	38	37	38	39	40
Frankston	7	8	8	8	9	9
Leagueville WSC	229	242	242	249	255	262
Moore Station WSC	382	412	408	420	433	445
Murchison	110	108	114	115	116	118
R P M WSC*	63	69	67	70	72	74
Virginia Hill WSC*	202	208	212	217	221	226
County-Other*	789	736	664	563	433	267
Mining*	173	182	193	222	255	296
Steam Electric Power*	2,061	2,061	2,061	2,061	2,061	2,061
Livestock*	3,179	3,179	3,179	3,179	3,179	3,179
Irrigation*	459	459	459	459	459	459
Houston County Total	**8,645**	**8,643**	**8,668**	**8,763**	**8,909**	**8,832**
Houston County / Neches Basin Total	**1,389**	**1,307**	**1,263**	**1,229**	**1,219**	**1,161**
Grapeland	91	92	95	96	97	98
Pennington WSC*	25	22	19	18	16	15
The Consolidated WSC	30	31	32	33	33	34
County-Other	420	300	212	130	61	1
Manufacturing	11	11	11	12	12	13
Livestock	440	479	522	568	628	628
Irrigation	372	372	372	372	372	372
Houston County / Trinity Basin Total	**7,256**	**7,336**	**7,405**	**7,534**	**7,690**	**7,671**
Crockett	1,080	1,014	915	888	852	809
Grapeland	134	136	140	141	143	145
Lovelady	109	105	100	98	96	94
Pennington WSC*	46	42	35	33	31	28
TDCJ Eastham Unit	1,090	1,088	1,088	1,088	1,088	1,088
The Consolidated WSC	1,281	1,327	1,382	1,411	1,436	1,460

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DRAFT Region I Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
County-Other	33	24	17	10	5	0
Manufacturing	190	197	205	212	220	228
Mining	302	302	302	302	302	302
Livestock	1,226	1,336	1,456	1,586	1,752	1,752
Irrigation	1,765	1,765	1,765	1,765	1,765	1,765
Jasper County Total	**72,964**	**74,862**	**76,815**	**78,875**	**81,026**	**83,271**
Jasper County / Neches Basin Total	**66,746**	**68,707**	**70,721**	**72,833**	**75,028**	**77,308**
Brookeland FWSD	45	42	40	37	35	32
Jasper	1,768	1,681	1,579	1,489	1,398	1,310
Rayburn Country MUD	278	264	247	231	216	201
Rural WSC	106	100	94	88	82	76
South Jasper County WSC	55	52	48	45	42	39
Upper Jasper County Water Authority	312	295	276	259	242	224
County-Other	554	511	462	414	364	310
Manufacturing	57,668	59,802	62,015	64,310	66,689	69,156
Mining	28	28	28	28	28	28
Livestock	5,741	5,741	5,741	5,741	5,741	5,741
Irrigation	191	191	191	191	191	191
Jasper County / Sabine Basin Total	**6,218**	**6,155**	**6,094**	**6,042**	**5,998**	**5,963**
Jasper	9	8	8	7	7	6
Jasper County WCID 1	208	206	207	209	215	225
Kirbyville	407	404	406	412	424	443
Mauriceville SUD	10	10	10	10	9	9
South Jasper County WSC	160	151	142	133	124	115
South Kirbyville Rural WSC	90	93	97	102	109	118
Upper Jasper County Water Authority	107	101	94	88	82	77
County-Other	583	538	486	437	384	326
Livestock	4,532	4,532	4,532	4,532	4,532	4,532
Irrigation	112	112	112	112	112	112
Jefferson County Total	**323,700**	**359,266**	**394,429**	**428,674**	**462,931**	**497,199**
Jefferson County / Neches Basin Total	**95,559**	**111,495**	**127,445**	**143,022**	**158,601**	**174,182**
Beaumont	9,238	9,462	9,724	9,597	9,472	9,349
Bevil Oaks	99	100	100	98	97	96
China	2	2	2	2	2	2
Groves	71	70	70	70	70	70

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DRAFT Region I Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Jefferson County WCID 10	88	88	88	87	86	85
Meeker MWD	103	104	103	102	101	100
Nederland	83	83	83	82	81	80
Nome	101	101	101	100	99	97
Port Neches	794	797	795	785	775	766
County-Other	107	91	58	53	48	43
Manufacturing	78,622	94,346	110,070	125,795	141,519	157,243
Livestock	54	54	54	54	54	54
Irrigation	6,197	6,197	6,197	6,197	6,197	6,197
Jefferson County / Neches-Trinity Basin Total	**228,141**	**247,771**	**266,984**	**285,652**	**304,330**	**323,017**
Beaumont	20,181	20,672	21,243	20,968	20,695	20,425
China	176	177	177	174	172	170
Federal Correctional Complex Beaumont	613	610	610	610	610	610
Groves	2,218	2,209	2,209	2,209	2,209	2,209
Jefferson County WCID 10	509	512	510	504	498	492
Meeker MWD	282	283	282	279	275	272
Nederland	2,339	2,350	2,344	2,315	2,287	2,260
Nome	44	45	44	44	43	43
Port Arthur	18,309	18,454	18,405	18,183	17,964	17,748
Port Neches	764	767	765	756	747	738
Trinity Bay Conservation District*	36	36	36	36	35	35
West Jefferson County MWD	929	928	936	948	960	972
County-Other	1,985	1,678	1,077	983	891	796
Manufacturing	96,378	115,654	134,930	154,205	173,481	192,757
Mining	294	312	332	354	379	406
Livestock	745	745	745	745	745	745
Irrigation	82,339	82,339	82,339	82,339	82,339	82,339
Nacogdoches County Total	**20,299**	**20,894**	**21,521**	**22,392**	**23,344**	**24,040**
Nacogdoches County / Neches Basin Total	**20,299**	**20,894**	**21,521**	**22,392**	**23,344**	**24,040**
Appleby WSC	1,044	1,076	1,107	1,160	1,212	1,263
Caro WSC	372	383	394	413	431	449
Cushing	139	144	148	155	162	168
D & M WSC	1,054	1,084	1,116	1,169	1,221	1,272
Etoile WSC	337	347	357	374	391	407
Garrison	259	266	273	284	295	305
Lilly Grove SUD	500	514	529	554	578	602

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DRAFT Region I Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Melrose WSC	815	839	863	904	944	985
Nacogdoches	7,421	7,614	7,809	8,104	8,397	8,690
Swift WSC	422	434	446	468	489	509
Woden WSC	262	269	276	289	302	315
County-Other	600	614	632	662	692	721
Manufacturing	2,892	2,999	3,110	3,225	3,344	3,468
Mining	891	891	891	891	891	891
Steam Electric Power	400	400	400	400	400	400
Livestock	2,625	2,754	2,904	3,074	3,329	3,329
Irrigation	266	266	266	266	266	266
Newton County Total	**14,625**	**14,704**	**14,789**	**14,890**	**15,001**	**15,128**
Newton County / Sabine Basin Total	**14,625**	**14,704**	**14,789**	**14,890**	**15,001**	**15,128**
Bon Wier WSC	86	74	63	52	41	30
Brookeland FWSD	61	55	49	43	37	32
Mauriceville SUD	31	31	30	27	23	20
Newton	343	311	278	247	217	189
South Kirbyville Rural WSC	12	11	10	9	7	6
South Newton WSC	233	211	187	165	143	122
County-Other	693	618	543	474	407	340
Manufacturing	6,140	6,367	6,603	6,847	7,100	7,363
Mining	3	3	3	3	3	3
Steam Electric Power	6,808	6,808	6,808	6,808	6,808	6,808
Livestock	114	114	114	114	114	114
Irrigation	101	101	101	101	101	101
Orange County Total	**127,454**	**131,413**	**135,440**	**139,421**	**143,563**	**147,873**
Orange County / Neches Basin Total	**15,620**	**15,644**	**15,715**	**15,693**	**15,685**	**15,686**
Bridge City	221	236	238	245	252	257
Kelly G Brewer	150	151	151	148	145	142
Mauriceville SUD	69	73	76	76	76	76
Orange County WCID 1	1,255	1,192	1,190	1,112	1,038	967
Orangefield WSC	402	457	522	598	684	782
County-Other	920	856	780	675	567	451
Manufacturing	2,044	2,120	2,199	2,280	2,364	2,452
Mining	11	11	11	11	11	11
Steam Electric Power	10,497	10,497	10,497	10,497	10,497	10,497

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DRAFT Region I Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Livestock	51	51	51	51	51	51
Orange County / Neches-Trinity Basin Total	**142**	**151**	**151**	**156**	**160**	**163**
Bridge City	139	148	149	154	158	161
County-Other	2	2	1	1	1	1
Livestock	1	1	1	1	1	1
Orange County / Sabine Basin Total	**111,692**	**115,618**	**119,574**	**123,572**	**127,718**	**132,024**
Bridge City	911	974	983	1,010	1,036	1,061
Kelly G Brewer	165	166	167	163	160	156
Mauriceville SUD	656	694	715	722	719	713
Orange	3,522	3,582	3,598	3,561	3,525	3,489
Orange County WCID 1	201	191	190	178	166	155
Orange County WCID 2	456	452	452	439	425	412
Orangefield WSC	515	586	671	767	877	1,004
Pinehurst	346	352	353	350	346	342
South Newton WSC	188	192	193	191	189	187
County-Other	985	916	835	723	607	482
Manufacturing	101,788	105,554	109,458	113,509	117,709	122,064
Livestock	135	135	135	135	135	135
Irrigation	1,824	1,824	1,824	1,824	1,824	1,824
Panola County Total	**9,444**	**9,392**	**9,334**	**9,280**	**9,235**	**9,196**
Panola County / Cypress Basin Total	**8**	**7**	**6**	**5**	**5**	**5**
Panola-Bethany WSC*	8	7	6	5	5	5
County-Other	0	0	0	0	0	0
Panola County / Sabine Basin Total	**9,436**	**9,385**	**9,328**	**9,275**	**9,230**	**9,191**
Beckville	87	77	69	62	56	51
Carthage	1,649	1,632	1,609	1,578	1,549	1,520
Clayton WSC	257	281	311	325	340	355
Deberry WSC	94	82	68	59	50	40
Elysian Fields WSC*	5	6	6	6	6	6
Gill WSC*	91	84	77	71	66	61
Hollands Quarter WSC	124	118	111	106	101	96
Minden Brachfield WSC	13	15	19	20	22	24
Panola-Bethany WSC*	133	118	106	96	86	79
Rehobeth WSC	88	79	68	61	54	47

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DRAFT Region I Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Tatum	33	25	20	15	11	9
County-Other	1,073	1,031	977	937	896	854
Manufacturing	1,298	1,346	1,396	1,448	1,502	1,558
Mining	2,280	2,280	2,280	2,280	2,280	2,280
Livestock	1,142	1,142	1,142	1,142	1,142	1,142
Irrigation	1,069	1,069	1,069	1,069	1,069	1,069
Polk County Total	**1,822**	**1,916**	**1,976**	**2,037**	**2,098**	**2,161**
Polk County / Neches Basin Total	**1,822**	**1,916**	**1,976**	**2,037**	**2,098**	**2,161**
Chester WSC	49	53	55	57	59	61
Corrigan	238	255	264	274	283	293
Damascus-Stryker WSC	188	202	210	218	226	234
Lake Livingston WSC*	75	81	84	87	90	94
Leggett WSC*	2	2	3	3	3	3
Moscow WSC*	85	91	95	98	102	106
Soda WSC*	17	18	19	20	20	21
County-Other*	406	436	452	469	487	504
Manufacturing*	392	407	422	438	454	471
Mining*	26	27	28	29	30	30
Livestock*	114	114	114	114	114	114
Irrigation*	230	230	230	230	230	230
Rusk County Total	**30,230**	**30,021**	**29,743**	**29,437**	**29,114**	**28,806**
Rusk County / Neches Basin Total	**5,659**	**5,549**	**5,413**	**5,266**	**5,103**	**4,948**
Ebenezer WSC	181	175	166	156	146	137
Garrison	1	1	1	1	1	1
Gaston WSC	149	144	137	128	120	112
Goodsprings WSC	230	221	210	198	185	173
Henderson	2,353	2,323	2,308	2,306	2,313	2,332
Jacobs WSC	5	5	5	5	6	6
Minden Brachfield WSC	142	138	131	124	116	108
Mt Enterprise WSC	222	214	204	191	179	167
New London	164	158	151	142	133	124
Overton*	42	41	39	37	34	32
South Rusk County WSC	242	234	222	209	196	182
Wright City WSC	23	22	21	20	18	17
County-Other	480	430	357	269	175	75
Manufacturing	26	27	28	29	30	31

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DRAFT Region I Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Mining	322	322	322	322	322	322
Livestock	922	939	956	974	974	974
Irrigation	155	155	155	155	155	155
Rusk County / Sabine Basin Total	**24,571**	**24,472**	**24,330**	**24,171**	**24,011**	**23,858**
Chalk Hill SUD*	232	222	211	199	186	174
Cross Roads SUD*	296	305	318	334	351	371
Crystal Farms WSC	130	141	156	173	192	215
Elderville WSC*	161	156	148	139	131	122
Henderson	707	698	694	694	696	701
Jacobs WSC	304	321	341	365	391	423
Kilgore*	1,089	1,054	1,003	945	888	830
Minden Brachfield WSC	71	69	65	61	57	53
New London	118	115	109	102	96	90
New Prospect WSC	149	143	136	128	120	112
Overton*	404	391	372	350	330	309
Southern Utilities*	79	76	72	68	64	59
Tatum	251	242	230	216	202	189
West Gregg SUD*	9	11	13	17	21	26
County-Other	483	433	360	271	177	75
Mining	167	167	167	167	167	167
Steam Electric Power	19,406	19,406	19,406	19,406	19,406	19,406
Livestock	394	401	408	415	415	415
Irrigation	121	121	121	121	121	121
Sabine County Total	**2,419**	**2,409**	**2,429**	**2,506**	**2,457**	**2,410**
Sabine County / Neches Basin Total	**859**	**855**	**859**	**875**	**876**	**876**
Brookeland FWSD	70	63	58	54	51	47
G M WSC	129	118	107	101	94	88
Pineland	169	153	140	132	124	115
Manufacturing	449	466	483	501	520	539
Livestock	42	55	71	87	87	87
Sabine County / Sabine Basin Total	**1,560**	**1,554**	**1,570**	**1,631**	**1,581**	**1,534**
Brookeland FWSD	10	9	8	8	7	7
G M WSC	487	444	404	380	356	332
Hemphill	471	432	397	377	357	338
New WSC	5	4	4	3	3	3

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DRAFT Region I Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
County-Other	103	93	85	80	75	71
Mining	203	203	203	203	203	203
Livestock	281	369	469	580	580	580
San Augustine County Total	**3,329**	**3,313**	**3,324**	**3,349**	**3,303**	**3,269**
San Augustine County / Neches Basin Total	**3,208**	**3,192**	**3,199**	**3,220**	**3,178**	**3,150**
Choice WSC	2	2	2	2	2	2
Denning WSC	120	108	98	91	84	77
New WSC	86	77	69	64	59	55
San Augustine	642	610	593	583	583	595
San Augustine Rural WSC	271	296	314	307	298	290
Sand Hills WSC	6	7	8	8	8	8
County-Other	179	138	101	83	62	41
Manufacturing	4	4	4	4	4	4
Mining	1,411	1,411	1,411	1,411	1,411	1,411
Livestock	474	526	586	654	654	654
Irrigation	13	13	13	13	13	13
San Augustine County / Sabine Basin Total	**121**	**121**	**125**	**129**	**125**	**119**
G M WSC	18	17	17	16	15	14
San Augustine Rural WSC	15	16	17	17	17	16
County-Other	28	21	16	13	10	6
Livestock	59	66	74	82	82	82
Irrigation	1	1	1	1	1	1
Shelby County Total	**12,160**	**12,743**	**13,450**	**14,348**	**14,287**	**14,232**
Shelby County / Neches Basin Total	**1,031**	**1,186**	**1,378**	**1,595**	**1,610**	**1,627**
Choice WSC	28	29	31	34	37	41
Sand Hills WSC	159	181	211	230	249	268
Timpson	3	2	2	2	1	1
County-Other	152	152	149	145	139	133
Mining	3	3	3	3	3	3
Livestock	683	816	979	1,178	1,178	1,178
Irrigation	3	3	3	3	3	3
Shelby County / Sabine Basin Total	**11,129**	**11,557**	**12,072**	**12,753**	**12,677**	**12,605**
Center	2,135	2,099	2,047	1,995	1,944	1,894
Choice WSC	79	84	91	98	108	119

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DRAFT Region I Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
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
Huxley	271	230	199	173	152	135
Joaquin	124	99	80	63	50	39
McClelland WSC	188	167	138	119	99	78
New WSC	4	5	6	6	7	7
Sand Hills WSC	135	153	179	194	210	227
Tenaha	250	221	182	154	126	97
Timpson	177	157	127	107	88	66
County-Other	804	804	785	764	736	700
Manufacturing	1,860	1,929	2,000	2,074	2,151	2,231
Mining	2,067	2,067	2,067	2,067	2,067	2,067
Livestock	2,655	3,175	3,809	4,581	4,581	4,581
Irrigation	7	7	7	7	7	7
Smith County Total	**54,367**	**59,455**	**64,898**	**68,066**	**71,382**	**74,857**
Smith County / Neches Basin Total	**54,367**	**59,455**	**64,898**	**68,066**	**71,382**	**74,857**
Arp	155	141	132	120	108	96
Ben Wheeler WSC*	3	3	4	4	5	5
Bullard	998	1,153	1,262	1,364	1,464	1,561
Carroll WSC*	75	83	89	94	99	104
Crystal Systems Texas*	135	158	174	189	204	218
Dean WSC	723	776	815	846	875	904
Emerald Bay MUD	254	267	276	287	287	287
Jackson WSC*	291	313	329	342	355	367
Liberty Utilities Silverleaf Water*	173	206	229	250	271	292
Lindale Rural WSC*	397	426	447	463	479	495
Lindale*	382	393	403	406	410	414
Overton*	7	7	8	8	8	8
R P M WSC*	11	9	8	7	6	5
Southern Utilities*	7,836	8,411	8,835	9,161	9,481	9,795
Troup	388	401	410	414	418	422
Tyler*	34,718	38,796	43,467	46,016	48,716	51,573
Walnut Grove WSC	1,253	1,336	1,399	1,446	1,493	1,538
Whitehouse	1,005	1,012	1,021	1,014	1,007	1,001
Wright City WSC	193	199	206	213	220	228
County-Other*	1,138	1,008	898	801	714	636

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DRAFT Region I Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Manufacturing*	2,857	2,963	3,072	3,186	3,304	3,426
Mining	427	446	466	487	510	534
Livestock*	500	500	500	500	500	500
Irrigation*	448	448	448	448	448	448
Trinity County Total	**790**	**763**	**735**	**716**	**697**	**678**
Trinity County / Neches Basin Total	**790**	**763**	**735**	**716**	**697**	**678**
Centerville WSC	119	106	91	81	70	58
Groveton*	46	41	34	30	25	20
Pennington WSC*	31	25	21	17	14	12
County-Other*	120	117	115	114	114	114
Mining*	9	9	9	9	9	9
Livestock*	187	187	187	187	187	187
Irrigation*	278	278	278	278	278	278
Tyler County Total	**3,927**	**3,775**	**3,652**	**3,567**	**3,487**	**3,413**
Tyler County / Neches Basin Total	**3,927**	**3,775**	**3,652**	**3,567**	**3,487**	**3,413**
Chester WSC	101	88	74	64	54	43
Colmesneil	163	156	151	147	143	140
Cypress Creek WSC	101	89	79	71	63	57
Moscow WSC*	3	4	5	6	7	8
Seneca WSC	123	116	110	106	102	98
Tyler County SUD	632	602	579	563	548	535
Warren WSC	273	272	272	272	272	272
Wildwood POA	76	69	63	58	53	48
Woodville	880	920	970	1,024	1,088	1,162
County-Other	790	670	555	457	353	241
Manufacturing	118	122	127	132	137	142
Mining	42	42	42	42	42	42
Steam Electric Power	3	3	3	3	3	3
Livestock	268	268	268	268	268	268
Irrigation	354	354	354	354	354	354
Region I Demand Total	**755,106**	**803,748**	**852,417**	**897,825**	**942,672**	**987,594**

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DRAFT Region I Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Groundwater Source Availability Total				**488,746**	**488,746**	**488,745**	**488,745**	**488,362**	**488,362**
Carrizo-Wilcox Aquifer	Anderson	Neches	Fresh	21,958	21,958	21,958	21,958	21,958	21,958
Carrizo-Wilcox Aquifer	Anderson	Trinity	Fresh	5,066	5,066	5,066	5,066	5,066	5,066
Carrizo-Wilcox Aquifer	Angelina	Neches	Fresh	27,611	27,611	27,611	27,611	27,611	27,611
Carrizo-Wilcox Aquifer	Cherokee	Neches	Fresh	15,241	15,241	15,241	15,241	15,241	15,241
Carrizo-Wilcox Aquifer	Henderson	Neches	Fresh	3,996	3,996	3,996	3,996	3,996	3,996
Carrizo-Wilcox Aquifer	Houston	Neches	Fresh	1,721	1,721	1,721	1,721	1,721	1,721
Carrizo-Wilcox Aquifer	Houston	Trinity	Fresh	634	634	634	634	634	634
Carrizo-Wilcox Aquifer	Nacogdoches	Neches	Fresh	20,859	20,859	20,859	20,859	20,859	20,859
Carrizo-Wilcox Aquifer	Panola	Cypress	Fresh	0	0	0	0	0	0
Carrizo-Wilcox Aquifer	Panola	Sabine	Fresh	4,999	4,999	4,999	4,999	4,999	4,999
Carrizo-Wilcox Aquifer	Rusk	Neches	Fresh	7,111	7,111	7,111	7,111	7,111	7,111
Carrizo-Wilcox Aquifer	Rusk	Sabine	Fresh	6,907	6,907	6,907	6,907	6,907	6,907
Carrizo-Wilcox Aquifer	Sabine	Neches	Fresh	356	356	356	356	356	356
Carrizo-Wilcox Aquifer	Sabine	Sabine	Fresh	1,032	1,032	1,032	1,032	1,032	1,032
Carrizo-Wilcox Aquifer	San Augustine	Neches	Fresh	303	303	303	303	303	303
Carrizo-Wilcox Aquifer	San Augustine	Sabine	Fresh	284	284	284	284	284	284
Carrizo-Wilcox Aquifer	Shelby	Neches	Fresh	2,621	2,621	2,621	2,621	2,621	2,621
Carrizo-Wilcox Aquifer	Shelby	Sabine	Fresh	3,698	3,698	3,698	3,698	3,698	3,698
Carrizo-Wilcox Aquifer	Smith	Neches	Fresh	17,607	17,607	17,607	17,607	17,607	17,607
Carrizo-Wilcox Aquifer	Trinity	Neches	Fresh	266	266	266	266	266	266
Gulf Coast Aquifer System	Hardin	Neches	Fresh	37,571	37,571	37,571	37,571	37,571	37,571

* Salinity field indicates whether the source availability is considered ‘fresh’ (less than 1,000 mg/L), ‘brackish’ (1,000 to 10,000 mg/L), ‘saline’ (10,001 mg/L to 34,999 mg/L), or ‘seawater’ (35,000 mg/L or greater). Sources can also be labeled as ‘fresh/brackish’ or ‘brackish/saline’, if a combination of the salinity types is appropriate.

** Since reservoir sources can exist across multiple counties, the county field value, ‘reservoir’ is applied to all reservoir sources.

DRAFT Region I Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Gulf Coast Aquifer System	Hardin	Trinity	Fresh	150	150	150	150	150	150
Gulf Coast Aquifer System	Jasper	Neches	Fresh	40,821	40,821	40,821	40,821	40,821	40,821
Gulf Coast Aquifer System	Jasper	Sabine	Fresh	32,544	32,544	32,544	32,544	32,544	32,544
Gulf Coast Aquifer System	Jefferson	Neches	Fresh	1,853	1,853	1,853	1,853	1,853	1,853
Gulf Coast Aquifer System	Jefferson	Neches-Trinity	Fresh	13,571	13,571	13,571	13,571	13,571	13,571
Gulf Coast Aquifer System	Newton	Neches	Fresh	199	199	199	199	199	199
Gulf Coast Aquifer System	Newton	Sabine	Fresh	37,309	37,309	37,309	37,309	37,309	37,309
Gulf Coast Aquifer System	Orange	Neches	Fresh	6,266	6,266	6,266	6,266	6,266	6,266
Gulf Coast Aquifer System	Orange	Neches-Trinity	Fresh	280	280	280	280	280	280
Gulf Coast Aquifer System	Orange	Sabine	Fresh	18,659	18,659	18,659	18,659	18,659	18,659
Gulf Coast Aquifer System	Polk	Neches	Fresh	17,825	17,825	17,825	17,825	17,825	17,825
Gulf Coast Aquifer System	Sabine	Sabine	Fresh	0	0	0	0	0	0
Gulf Coast Aquifer System	Tyler	Neches	Fresh	34,390	34,390	34,390	34,390	34,390	34,390
Other Aquifer	Anderson	Trinity	Fresh	298	298	298	298	298	298
Other Aquifer	Angelina	Neches	Fresh	812	812	812	812	812	812
Other Aquifer	Cherokee	Neches	Fresh	268	268	268	268	268	268
Other Aquifer	Henderson	Neches	Fresh	5	5	5	5	5	5
Other Aquifer	Henderson	Trinity	Fresh	680	680	680	680	680	680
Other Aquifer	Houston	Neches	Fresh	378	378	378	378	378	378
Other Aquifer	Houston	Trinity	Fresh	888	888	888	888	888	888
Other Aquifer	Nacogdoches	Neches	Fresh	1,131	1,131	1,131	1,131	1,131	1,131

* Salinity field indicates whether the source availability is considered ‘fresh’ (less than 1,000 mg/L), ‘brackish’ (1,000 to 10,000 mg/L), ‘saline’ (10,001 mg/L to 34,999 mg/L), or ‘seawater’ (35,000 mg/L or greater). Sources can also be labeled as ‘fresh/brackish’ or ‘brackish/saline’, if a combination of the salinity types is appropriate.

** Since reservoir sources can exist across multiple counties, the county field value, ‘reservoir’ is applied to all reservoir sources.

DRAFT Region I Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Other Aquifer	Rusk	Neches	Fresh	270	270	270	270	270	270
Other Aquifer	Rusk	Sabine	Fresh	469	469	469	469	469	469
Other Aquifer	Sabine	Neches	Fresh	336	336	336	336	336	336
Other Aquifer	Sabine	Sabine	Fresh	0	0	0	0	0	0
Other Aquifer	San Augustine	Neches	Fresh	1,395	1,395	1,395	1,395	1,395	1,395
Other Aquifer	Smith	Neches	Fresh	922	922	922	922	922	922
Other Aquifer	Trinity	Neches	Fresh	700	700	700	700	700	700
Queen City Aquifer	Anderson	Neches	Fresh	11,489	11,489	11,488	11,488	11,488	11,488
Queen City Aquifer	Anderson	Trinity	Fresh	5,102	5,102	5,102	5,102	5,102	5,102
Queen City Aquifer	Angelina	Neches	Fresh	1,095	1,095	1,095	1,095	1,095	1,095
Queen City Aquifer	Cherokee	Neches	Fresh	8,812	8,812	8,812	8,812	8,812	8,812
Queen City Aquifer	Henderson	Neches	Fresh	10,516	10,516	10,516	10,516	10,516	10,516
Queen City Aquifer	Houston	Neches	Fresh	2,080	2,080	2,080	2,080	2,080	2,080
Queen City Aquifer	Houston	Trinity	Fresh	216	216	216	216	216	216
Queen City Aquifer	Nacogdoches	Neches	Fresh	2,946	2,946	2,946	2,946	2,946	2,946
Queen City Aquifer	Rusk	Neches	Fresh	39	39	39	39	39	39
Queen City Aquifer	Rusk	Sabine	Fresh	20	20	20	20	20	20
Queen City Aquifer	Sabine	Neches	Fresh	0	0	0	0	0	0
Queen City Aquifer	Sabine	Sabine	Fresh	0	0	0	0	0	0
Queen City Aquifer	San Augustine	Neches	Fresh	0	0	0	0	0	0
Queen City Aquifer	Shelby	Sabine	Fresh	0	0	0	0	0	0
Queen City Aquifer	Smith	Neches	Fresh	20,121	20,121	20,121	20,121	20,121	20,121

* Salinity field indicates whether the source availability is considered ‘fresh’ (less than 1,000 mg/L), ‘brackish’ (1,000 to 10,000 mg/L), ‘saline’ (10,001 mg/L to 34,999 mg/L), or ‘seawater’ (35,000 mg/L or greater). Sources can also be labeled as ‘fresh/brackish’ or ‘brackish/saline’, if a combination of the salinity types is appropriate.

** Since reservoir sources can exist across multiple counties, the county field value, ‘reservoir’ is applied to all reservoir sources.

DRAFT Region I Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Queen City Aquifer	Trinity	Neches	Fresh	0	0	0	0	0	0
Sparta Aquifer	Anderson	Neches	Fresh	109	109	109	109	109	109
Sparta Aquifer	Anderson	Trinity	Fresh	198	198	198	198	198	198
Sparta Aquifer	Angelina	Neches	Fresh	390	390	390	390	390	390
Sparta Aquifer	Cherokee	Neches	Fresh	352	352	352	352	352	352
Sparta Aquifer	Houston	Neches	Fresh	505	505	505	505	505	505
Sparta Aquifer	Houston	Trinity	Fresh	977	977	977	977	977	977
Sparta Aquifer	Nacogdoches	Neches	Fresh	362	362	362	362	362	362
Sparta Aquifer	Rusk	Neches	Fresh	0	0	0	0	0	0
Sparta Aquifer	Sabine	Neches	Fresh	36	36	36	36	36	36
Sparta Aquifer	Sabine	Sabine	Fresh	13	13	13	13	13	13
Sparta Aquifer	San Augustine	Neches	Fresh	163	163	163	163	163	163
Sparta Aquifer	San Augustine	Sabine	Fresh	3	3	3	3	3	3
Sparta Aquifer	Shelby	Sabine	Fresh	0	0	0	0	0	0
Sparta Aquifer	Smith	Neches	Fresh	0	0	0	0	0	0
Sparta Aquifer	Trinity	Neches	Fresh	152	152	152	152	152	152
Yegua-Jackson Aquifer	Angelina	Neches	Fresh	16,890	16,890	16,890	16,890	16,507	16,507
Yegua-Jackson Aquifer	Houston	Neches	Fresh	1,324	1,324	1,324	1,324	1,324	1,324
Yegua-Jackson Aquifer	Houston	Trinity	Fresh	4,061	4,061	4,061	4,061	4,061	4,061
Yegua-Jackson Aquifer	Jasper	Neches	Fresh	600	600	600	600	600	600
Yegua-Jackson Aquifer	Nacogdoches	Neches	Fresh	235	235	235	235	235	235
Yegua-Jackson Aquifer	Newton	Neches	Fresh	0	0	0	0	0	0

* Salinity field indicates whether the source availability is considered ‘fresh’ (less than 1,000 mg/L), ‘brackish’ (1,000 to 10,000 mg/L), ‘saline’ (10,001 mg/L to 34,999 mg/L), or ‘seawater’ (35,000 mg/L or greater). Sources can also be labeled as ‘fresh/brackish’ or ‘brackish/saline’, if a combination of the salinity types is appropriate.

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DRAFT Region I Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Yegua-Jackson Aquifer	Newton	Sabine	Fresh	0	0	0	0	0	0
Yegua-Jackson Aquifer	Polk	Neches	Fresh	570	570	570	570	570	570
Yegua-Jackson Aquifer	Sabine	Neches	Fresh	3,724	3,724	3,724	3,724	3,724	3,724
Yegua-Jackson Aquifer	Sabine	Sabine	Fresh	575	575	575	575	575	575
Yegua-Jackson Aquifer	San Augustine	Neches	Fresh	2,102	2,102	2,102	2,102	2,102	2,102
Yegua-Jackson Aquifer	San Augustine	Sabine	Fresh	9	9	9	9	9	9
Yegua-Jackson Aquifer	Trinity	Neches	Fresh	700	700	700	700	700	700
Yegua-Jackson Aquifer	Tyler	Neches	Fresh	0	0	0	0	0	0
Reuse Source Availability Total				**13,955**	**13,968**	**13,981**	**13,992**	**14,006**	**14,021**
Direct Reuse	Orange	Sabine	Fresh	15	15	15	15	15	15
Direct Reuse	Sabine	Sabine	Fresh	20	20	20	20	20	20
Direct Reuse	Shelby	Sabine	Fresh	233	246	259	270	284	299
Indirect Reuse	Jefferson	Neches-Trinity	Fresh	13,687	13,687	13,687	13,687	13,687	13,687
Surface Water Source Availability Total				**4,540,612**	**4,532,925**	**4,525,366**	**4,516,927**	**4,508,849**	**4,500,927**
Athens Lake/Reservoir	Reservoir**	Neches	Fresh	4,540	4,480	4,420	4,360	4,300	4,240
Bellwood Lake/Reservoir	Reservoir**	Neches	Fresh	859	859	859	859	859	859
Center Lake/Reservoir	Reservoir**	Sabine	Fresh	500	500	500	500	500	500
Cherokee Lake/Reservoir	Reservoir**	Sabine	Fresh	31,480	31,224	30,960	30,712	30,456	30,200
Cypress Livestock Local Supply	Panola	Cypress	Fresh	0	0	0	0	0	0
Houston County Lake/Reservoir	Reservoir**	Trinity	Fresh	6,250	6,145	6,040	5,935	5,830	5,725

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DRAFT Region I Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Jacksonville Lake/Reservoir	Reservoir**	Neches	Fresh	6,200	6,200	6,200	6,200	6,200	6,200
Kurth Lake/Reservoir	Reservoir**	Neches	Fresh	17,425	17,448	17,471	17,494	17,517	17,540
Lake Naconiche Lake/Reservoir	Reservoir**	Neches	Fresh	4,500	4,500	4,500	4,500	4,500	4,500
Martin Lake/Reservoir	Reservoir**	Sabine	Fresh	25,000	25,000	25,000	25,000	25,000	25,000
Murvaul Lake/Reservoir	Reservoir**	Sabine	Fresh	20,800	20,016	19,482	18,448	17,664	16,880
Nacogdoches Lake/Reservoir	Reservoir**	Neches	Fresh	14,335	13,973	13,611	13,249	12,887	12,525
Neches Livestock Local Supply	Anderson	Neches	Fresh	427	427	427	427	427	427
Neches Livestock Local Supply	Angelina	Neches	Fresh	997	997	997	997	997	997
Neches Livestock Local Supply	Cherokee	Neches	Fresh	1,694	1,694	1,694	1,694	1,694	1,694
Neches Livestock Local Supply	Hardin	Neches	Fresh	184	184	184	184	184	184
Neches Livestock Local Supply	Henderson	Neches	Fresh	632	632	632	632	632	632
Neches Livestock Local Supply	Houston	Neches	Fresh	473	473	473	473	473	473
Neches Livestock Local Supply	Jasper	Neches	Fresh	118	118	118	118	118	118
Neches Livestock Local Supply	Nacogdoches	Neches	Fresh	8,913	8,913	8,913	8,913	8,913	8,913
Neches Livestock Local Supply	Orange	Neches	Fresh	27	27	27	27	27	27
Neches Livestock Local Supply	Polk	Neches	Fresh	147	147	147	147	147	147
Neches Livestock Local Supply	Rusk	Neches	Fresh	991	991	991	991	991	991
Neches Livestock Local Supply	Sabine	Neches	Fresh	26	26	26	26	26	26
Neches Livestock Local Supply	San Augustine	Neches	Fresh	1,632	1,632	1,632	1,632	1,632	1,632
Neches Livestock Local Supply	Shelby	Neches	Fresh	2,101	2,101	2,101	2,101	2,101	2,101

* Salinity field indicates whether the source availability is considered ‘fresh’ (less than 1,000 mg/L), ‘brackish’ (1,000 to 10,000 mg/L), ‘saline’ (10,001 mg/L to 34,999 mg/L), or ‘seawater’ (35,000 mg/L or greater). Sources can also be labeled as ‘fresh/brackish’ or ‘brackish/saline’, if a combination of the salinity types is appropriate.

** Since reservoir sources can exist across multiple counties, the county field value, ‘reservoir’ is applied to all reservoir sources.

DRAFT Region I Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Neches Livestock Local Supply	Smith	Neches	Fresh	313	313	313	313	313	313
Neches Livestock Local Supply	Trinity	Neches	Fresh	233	233	233	233	233	233
Neches Livestock Local Supply	Tyler	Neches	Fresh	239	239	239	239	239	239
Neches Other Local Supply	Cherokee	Neches	Fresh	58	58	58	58	58	58
Neches Other Local Supply	Hardin	Neches	Fresh	0	0	0	0	0	0
Neches Other Local Supply	Jefferson	Neches	Fresh	109	109	109	109	109	109
Neches Other Local Supply	Nacogdoches	Neches	Fresh	420	420	420	420	420	420
Neches Other Local Supply	Polk	Neches	Fresh	1	1	1	1	1	1
Neches Other Local Supply	Tyler	Neches	Fresh	8	8	8	8	8	8
Neches Run-of-River	Anderson	Neches	Fresh	80	80	80	80	80	80
Neches Run-of-River	Angelina	Neches	Fresh	10	10	10	10	10	10
Neches Run-of-River	Cherokee	Neches	Fresh	58	58	58	58	58	58
Neches Run-of-River	Hardin	Neches	Fresh	54	54	54	54	54	54
Neches Run-of-River	Houston	Neches	Fresh	147	147	147	147	147	147
Neches Run-of-River	Jasper	Neches	Fresh	382,526	382,526	382,526	382,526	382,526	382,526
Neches Run-of-River	Jefferson	Neches	Brackish	752,152	752,152	752,152	752,152	752,152	752,152
Neches Run-of-River	Jefferson	Neches	Fresh	12,102	12,560	12,977	12,795	12,804	12,969
Neches Run-of-River	Nacogdoches	Neches	Fresh	82	82	82	82	82	82
Neches Run-of-River	Orange	Neches	Brackish	17,310	17,310	17,310	17,310	17,310	17,310
Neches Run-of-River	Rusk	Neches	Fresh	60	60	60	60	60	60
Neches Run-of-River	Sabine	Neches	Fresh	162	162	162	162	162	162

* Salinity field indicates whether the source availability is considered ‘fresh’ (less than 1,000 mg/L), ‘brackish’ (1,000 to 10,000 mg/L), ‘saline’ (10,001 mg/L to 34,999 mg/L), or ‘seawater’ (35,000 mg/L or greater). Sources can also be labeled as ‘fresh/brackish’ or ‘brackish/saline’, if a combination of the salinity types is appropriate.

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DRAFT Region I Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Neches Run-of-River	Shelby	Neches	Fresh	1,000	1,000	1,000	1,000	1,000	1,000
Neches Run-of-River	Smith	Neches	Fresh	45	45	45	45	45	45
Neches Run-of-River	Trinity	Neches	Fresh	0	0	0	0	0	0
Neches Run-of-River	Tyler	Neches	Fresh	88	88	88	88	88	88
Neches-Trinity Livestock Local Supply	Jefferson	Neches-Trinity	Fresh	800	800	800	800	800	800
Neches-Trinity Other Local Supply	Jefferson	Neches-Trinity	Fresh	109	109	109	109	109	109
Neches-Trinity Run-of-River	Jefferson	Neches-Trinity	Fresh	51,274	51,274	51,274	51,274	51,274	51,274
Palestine Lake/Reservoir	Reservoir**	Neches	Fresh	177,110	175,040	172,970	170,950	168,930	166,910
Pinkston Lake/Reservoir	Reservoir**	Neches	Fresh	3,612	3,600	3,587	3,575	3,562	3,550
Rusk City Lake/Reservoir	Reservoir**	Neches	Fresh	10	10	10	10	10	10
Sabine Livestock Local Supply	Jasper	Sabine	Fresh	93	93	93	93	93	93
Sabine Livestock Local Supply	Newton	Sabine	Fresh	157	157	157	157	157	157
Sabine Livestock Local Supply	Orange	Sabine	Fresh	71	71	71	71	71	71
Sabine Livestock Local Supply	Panola	Sabine	Fresh	2,596	2,596	2,596	2,596	2,596	2,596
Sabine Livestock Local Supply	Rusk	Sabine	Fresh	424	424	424	424	424	424
Sabine Livestock Local Supply	Sabine	Sabine	Fresh	175	175	175	175	175	175
Sabine Livestock Local Supply	San Augustine	Sabine	Fresh	203	203	203	203	203	203
Sabine Livestock Local Supply	Shelby	Sabine	Fresh	8,168	8,168	8,168	8,168	8,168	8,168
Sabine Other Local Supply	Newton	Sabine	Fresh	78	78	78	78	78	78
Sabine Other Local Supply	Orange	Sabine	Fresh	161	161	161	161	161	161

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DRAFT Region I Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Sabine Other Local Supply	Rusk	Sabine	Fresh	1,258	1,258	1,258	1,258	1,258	1,258
Sabine Run-of-River	Newton	Sabine	Fresh	130,146	130,146	130,146	130,146	130,146	130,146
Sabine Run-of-River	Orange	Sabine	Brackish	267,000	267,000	267,000	267,000	267,000	267,000
Sabine Run-of-River	Orange	Sabine	Fresh	28	28	28	28	28	28
Sabine Run-of-River	Panola	Sabine	Fresh	581	581	581	581	581	581
Sabine Run-of-River	Rusk	Sabine	Fresh	137	137	137	137	137	137
Sam Rayburn-Steinhagen Lake/Reservoir System	Reservoir**	Neches	Fresh	644,100	640,960	637,820	634,680	631,540	628,400
San Augustine Lake/Reservoir	Reservoir**	Neches	Fresh	1,285	1,285	1,285	1,285	1,285	1,285
Striker Lake/Reservoir	Reservoir**	Neches	Fresh	10,500	9,990	9,480	8,970	8,460	7,950
Timpson Lake/Reservoir	Reservoir**	Neches	Fresh	350	350	350	350	350	350
Toledo Bend Lake/Reservoir	Reservoir**	Sabine	Fresh	941,900	941,583	941,230	940,949	940,632	940,315
Toledo Bend Lake/Reservoir	Reservoir**	Sabine-Louisiana	Fresh	941,900	941,583	941,230	940,949	940,632	940,315
Trinity Livestock Local Supply	Anderson	Trinity	Fresh	848	848	848	848	848	848
Trinity Livestock Local Supply	Houston	Trinity	Fresh	1,318	1,318	1,318	1,318	1,318	1,318
Trinity Run-of-River	Anderson	Trinity	Fresh	1,290	1,290	1,290	1,290	1,290	1,290
Trinity Run-of-River	Houston	Trinity	Fresh	2,522	2,522	2,522	2,522	2,522	2,522
Tyler Lake/Reservoir	Reservoir**	Neches	Fresh	32,900	32,665	32,430	32,203	31,977	31,750
Region I Source Availability Total				**5,043,313**	**5,035,639**	**5,028,092**	**5,019,664**	**5,011,217**	**5,003,310**

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Anderson County WUG Total			**22,798**	**23,007**	**23,159**	**23,268**	**23,388**	**23,512**
Anderson County / Neches Basin WUG Total			**8,967**	**9,046**	**9,124**	**9,208**	**9,299**	**9,393**
Berryville	I	Carrizo-Wilcox Aquifer | Henderson County	2	2	2	2	2	2
Brushy Creek WSC*	I	Carrizo-Wilcox Aquifer | Anderson County	288	286	282	278	275	272
Frankston	I	Carrizo-Wilcox Aquifer | Anderson County	212	211	208	205	203	200
Frankston Rural WSC	I	Carrizo-Wilcox Aquifer | Anderson County	236	234	232	228	226	222
Neches WSC	I	Carrizo-Wilcox Aquifer | Anderson County	156	154	152	152	150	148
Norwood WSC	I	Carrizo-Wilcox Aquifer | Anderson County	140	139	138	136	135	133
Palestine	I	Carrizo-Wilcox Aquifer | Anderson County	400	400	400	400	400	400
Palestine	I	Palestine Lake/Reservoir	3,114	3,114	3,114	3,114	3,114	3,114
Slocum WSC	I	Carrizo-Wilcox Aquifer | Anderson County	299	297	293	289	285	282
Walston Springs WSC	I	Carrizo-Wilcox Aquifer | Anderson County	334	361	391	424	460	499
County-Other	I	Other Aquifer | Anderson County	87	87	87	87	87	87
County-Other	I	Palestine Lake/Reservoir	16	16	16	16	16	16
County-Other	I	Queen City Aquifer | Anderson County	377	377	376	377	376	376
County-Other	I	Sparta Aquifer | Anderson County	82	82	82	82	82	82
Manufacturing	I	Carrizo-Wilcox Aquifer | Anderson County	1,686	1,748	1,813	1,880	1,950	2,022
Steam Electric Power		No water supply associated with WUG	0	0	0	0	0	0
Livestock	I	Carrizo-Wilcox Aquifer | Anderson County	145	145	145	145	145	145
Livestock	I	Local Surface Water Supply	333	333	333	333	333	333
Livestock	I	Queen City Aquifer | Anderson County	160	160	160	160	160	160
Livestock	I	Sparta Aquifer | Anderson County	60	60	60	60	60	60

*A single asterisk next to a WUG's name denotes that the WUG is split by two or more planning regions.

DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Irrigation	I	Carrizo-Wilcox Aquifer | Anderson County	400	400	400	400	400	400
Irrigation	I	Neches Run-of-River	80	80	80	80	80	80
Irrigation	I	Queen City Aquifer | Anderson County	360	360	360	360	360	360
Anderson County / Trinity Basin WUG Total			**13,831**	**13,961**	**14,035**	**14,060**	**14,089**	**14,119**
Anderson County Cedar Creek WSC	I	Carrizo-Wilcox Aquifer | Anderson County	114	114	112	110	109	108
B B S WSC*	I	Carrizo-Wilcox Aquifer | Anderson County	138	137	135	133	132	130
B C Y WSC	I	Carrizo-Wilcox Aquifer | Anderson County	264	262	258	255	252	249
Brushy Creek WSC*	I	Carrizo-Wilcox Aquifer | Anderson County	142	141	140	138	136	134
Elkhart	I	Carrizo-Wilcox Aquifer | Anderson County	304	303	299	296	292	289
Four Pines WSC	I	Carrizo-Wilcox Aquifer | Anderson County	298	296	293	290	287	284
Norwood WSC	I	Carrizo-Wilcox Aquifer | Anderson County	10	10	9	9	9	9
Palestine	I	Carrizo-Wilcox Aquifer | Anderson County	356	356	356	356	356	356
Palestine	I	Palestine Lake/Reservoir	2,774	2,774	2,774	2,774	2,774	2,774
Pleasant Springs WSC	I	Carrizo-Wilcox Aquifer | Anderson County	176	176	176	176	176	176
Pleasant Springs WSC	I	Palestine Lake/Reservoir	121	121	121	121	121	121
Slocum WSC	I	Carrizo-Wilcox Aquifer | Anderson County	26	26	25	25	25	24
TDCJ Beto Gurney & Powledge Units	I	Carrizo-Wilcox Aquifer | Anderson County	1,742	1,738	1,738	1,738	1,738	1,738
TDCJ Coffield Michael	I	Carrizo-Wilcox Aquifer | Anderson County	3,116	3,196	3,214	3,206	3,204	3,204
The Consolidated WSC	I	Houston County Lake/Reservoir	477	529	592	630	663	695
Tucker WSC	I	Carrizo-Wilcox Aquifer | Anderson County	130	130	128	126	124	122
Walston Springs WSC	I	Carrizo-Wilcox Aquifer | Anderson County	127	136	148	161	174	189

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
County-Other	I	Other Aquifer | Anderson County	173	173	173	173	173	173
County-Other	I	Palestine Lake/Reservoir	31	31	31	31	31	31
County-Other	I	Queen City Aquifer | Anderson County	747	747	748	747	748	748
County-Other	I	Sparta Aquifer | Anderson County	165	165	165	165	165	165
Mining	I	Other Aquifer | Anderson County	34	34	34	34	34	34
Steam Electric Power		No water supply associated with WUG	0	0	0	0	0	0
Livestock	I	Carrizo-Wilcox Aquifer | Anderson County	33	33	33	33	33	33
Livestock	I	Local Surface Water Supply	848	848	848	848	848	848
Livestock	I	Queen City Aquifer | Anderson County	64	64	64	64	64	64
Irrigation	I	Carrizo-Wilcox Aquifer | Anderson County	92	92	92	92	92	92
Irrigation	I	Queen City Aquifer | Anderson County	39	39	39	39	39	39
Irrigation	I	Trinity Run-of-River	1,290	1,290	1,290	1,290	1,290	1,290
Angelina County WUG Total			**47,365**	**19,542**	**19,654**	**19,784**	**19,914**	**20,047**
Angelina County / Neches Basin WUG Total			**47,365**	**19,542**	**19,654**	**19,784**	**19,914**	**20,047**
Angelina WSC	I	Other Aquifer | Angelina County	355	359	361	365	368	372
Central WCID of Angelina County	I	Carrizo-Wilcox Aquifer | Angelina County	620	631	637	643	650	656
Diboll	I	Carrizo-Wilcox Aquifer | Angelina County	1,806	1,806	1,806	1,806	1,806	1,806
Diboll	I	Yegua-Jackson Aquifer | Angelina County	520	520	520	520	520	520
Four Way SUD	I	Yegua-Jackson Aquifer | Angelina County	435	439	443	447	451	455
Hudson WSC	I	Carrizo-Wilcox Aquifer | Angelina County	1,003	1,020	1,028	1,038	1,047	1,057
Huntington	I	Carrizo-Wilcox Aquifer | Angelina County	448	448	448	448	448	448
Huntington	I	Yegua-Jackson Aquifer | Angelina County	261	264	266	269	271	274

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Lufkin	I	Carrizo-Wilcox Aquifer | Angelina County	4,144	4,119	4,093	4,066	4,038	4,010
Lufkin	I	Kurth Lake/Reservoir	2,448	2,555	2,633	2,726	2,819	2,912
Lufkin	I	Sam Rayburn-Steinhagen Lake/Reservoir System	28,000	0	0	0	0	0
M & M WSC	I	Carrizo-Wilcox Aquifer | Angelina County	260	262	264	267	269	272
Pollok-Redtown WSC	I	Carrizo-Wilcox Aquifer | Angelina County	197	199	200	202	204	206
Redland WSC	I	Carrizo-Wilcox Aquifer | Angelina County	508	510	512	514	516	518
Upper Jasper County Water Authority	I	Carrizo-Wilcox Aquifer | Angelina County	29	29	29	29	29	29
Woodlawn WSC	I	Carrizo-Wilcox Aquifer | Angelina County	242	245	246	249	251	254
Zavalla	I	Yegua-Jackson Aquifer | Angelina County	102	103	104	104	105	107
County-Other	I	Carrizo-Wilcox Aquifer | Angelina County	211	213	216	218	220	222
County-Other	I	Other Aquifer | Angelina County	0	0	0	0	0	0
County-Other	I	Sparta Aquifer | Angelina County	50	51	52	52	53	53
County-Other	I	Yegua-Jackson Aquifer | Angelina County	277	281	284	286	289	292
Manufacturing	I	Carrizo-Wilcox Aquifer | Angelina County	807	832	858	885	913	941
Manufacturing	I	Kurth Lake/Reservoir	293	311	311	311	311	311
Manufacturing	I	Other Aquifer | Angelina County	457	453	451	447	444	440
Manufacturing	I	Yegua-Jackson Aquifer | Angelina County	1,754	1,754	1,754	1,754	1,754	1,754
Mining	I	Other Aquifer | Angelina County	0	0	0	0	0	0
Livestock	I	Carrizo-Wilcox Aquifer | Angelina County	128	128	128	128	128	128
Livestock	I	Local Surface Water Supply	661	661	661	661	661	661
Livestock	I	Sparta Aquifer | Angelina County	73	73	73	73	73	73

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Livestock	I	Yegua-Jackson Aquifer | Angelina County	166	166	166	166	166	166
Irrigation	I	Kurth Lake/Reservoir	779	779	779	779	779	779
Irrigation	I	Yegua-Jackson Aquifer | Angelina County	331	331	331	331	331	331
Cherokee County WUG Total			**10,563**	**10,443**	**10,269**	**10,177**	**10,051**	**9,915**
Cherokee County / Neches Basin WUG Total			**10,563**	**10,443**	**10,269**	**10,177**	**10,051**	**9,915**
Afton Grove WSC	I	Carrizo-Wilcox Aquifer | Cherokee County	64	66	68	69	71	74
Afton Grove WSC	I	Jacksonville Lake/Reservoir	150	153	157	162	167	171
Alto	I	Carrizo-Wilcox Aquifer | Cherokee County	218	215	211	206	202	197
Alto Rural WSC	I	Carrizo-Wilcox Aquifer | Cherokee County	817	817	817	817	817	817
Blackjack WSC	I	Carrizo-Wilcox Aquifer | Cherokee County	102	100	98	96	94	92
Bullard	I	Carrizo-Wilcox Aquifer | Cherokee County	103	106	109	111	113	116
Bullard	I	Carrizo-Wilcox Aquifer | Smith County	0	0	0	0	0	0
Bullard	I	Gulf Coast Aquifer System | Jasper County	0	0	0	0	0	0
Bullard	I	Jacksonville Lake/Reservoir	62	72	78	84	90	95
Craft Turney WSC	I	Carrizo-Wilcox Aquifer | Cherokee County	191	188	184	180	176	172
Craft Turney WSC	I	Jacksonville Lake/Reservoir	444	438	429	420	410	400
Gum Creek WSC	I	Carrizo-Wilcox Aquifer | Cherokee County	31	30	30	29	29	28
Gum Creek WSC	I	Jacksonville Lake/Reservoir	72	71	69	68	66	64
Jacksonville	I	Carrizo-Wilcox Aquifer | Cherokee County	773	763	748	733	717	702
Jacksonville	I	Jacksonville Lake/Reservoir	1,803	1,778	1,746	1,709	1,673	1,636
New Summerfield	I	Carrizo-Wilcox Aquifer | Cherokee County	113	111	109	106	104	101

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
North Cherokee WSC	I	Carrizo-Wilcox Aquifer | Cherokee County	142	140	137	134	131	128
North Cherokee WSC	I	Jacksonville Lake/Reservoir	330	325	319	312	305	297
Pollok-Redtown WSC	I	Carrizo-Wilcox Aquifer | Angelina County	8	8	8	8	8	7
Rusk	I	Carrizo-Wilcox Aquifer | Cherokee County	845	846	848	849	853	858
Rusk	I	Rusk City Lake/Reservoir	10	10	10	10	10	10
Rusk Rural WSC	I	Carrizo-Wilcox Aquifer | Cherokee County	331	326	321	315	310	304
South Rusk County WSC	I	Carrizo-Wilcox Aquifer | Rusk County	5	5	5	5	4	4
Southern Utilities*	I	Carrizo-Wilcox Aquifer | Cherokee County	22	21	21	21	20	20
Southern Utilities*	I	Carrizo-Wilcox Aquifer | Smith County	679	626	544	560	544	516
Troup	I	Carrizo-Wilcox Aquifer | Smith County	11	11	11	11	11	10
Walnut Grove WSC	I	Carrizo-Wilcox Aquifer | Smith County	6	5	5	5	4	4
Walnut Grove WSC	I	Palestine Lake/Reservoir	6	6	5	5	5	4
Walnut Grove WSC	I	Tyler Lake/Reservoir	6	5	5	5	4	4
Wells	I	Carrizo-Wilcox Aquifer | Cherokee County	124	130	138	146	155	164
West Jacksonville WSC	I	Carrizo-Wilcox Aquifer | Cherokee County	231	227	222	218	213	208
Wright City WSC	I	Carrizo-Wilcox Aquifer | Smith County	47	46	46	45	43	43
County-Other	I	Carrizo-Wilcox Aquifer | Cherokee County	238	202	160	114	63	10
County-Other	I	Jacksonville Lake/Reservoir	0	0	0	0	0	0
County-Other	I	Other Aquifer | Cherokee County	0	0	0	0	0	0
County-Other	I	Queen City Aquifer | Cherokee County	160	136	108	77	43	6
County-Other	I	Sparta Aquifer | Cherokee County	37	32	25	18	10	1
Manufacturing	I	Carrizo-Wilcox Aquifer | Cherokee County	25	26	26	27	28	29

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Manufacturing	I	Jacksonville Lake/Reservoir	57	59	62	64	66	68
Mining	I	Local Surface Water Supply	58	58	58	58	58	58
Mining	I	Other Aquifer | Cherokee County	129	129	129	129	129	129
Steam Electric Power	I	Striker Lake/Reservoir	431	474	521	573	630	693
Livestock	I	Carrizo-Wilcox Aquifer | Cherokee County	168	168	168	168	168	168
Livestock	I	Local Surface Water Supply	853	853	853	853	853	853
Livestock	I	Queen City Aquifer | Cherokee County	210	210	210	210	210	210
Irrigation	I	Carrizo-Wilcox Aquifer | Cherokee County	170	170	170	170	170	170
Irrigation	I	Neches Run-of-River	58	58	58	58	58	58
Irrigation	I	Palestine Lake/Reservoir	41	36	32	28	25	25
Irrigation	I	Queen City Aquifer | Cherokee County	182	187	191	191	191	191
Hardin County WUG Total			**9,668**	**10,449**	**11,185**	**11,129**	**11,079**	**11,037**
Hardin County / Neches Basin WUG Total			**9,642**	**10,423**	**11,159**	**11,104**	**11,054**	**11,012**
Hardin County WCID 1	I	Gulf Coast Aquifer System | Hardin County	130	131	134	136	139	141
Kountze	I	Gulf Coast Aquifer System | Hardin County	248	245	242	237	231	226
Lumberton MUD	I	Gulf Coast Aquifer System | Hardin County	3,329	4,054	4,727	4,617	4,508	4,401
North Hardin WSC	I	Gulf Coast Aquifer System | Hardin County	539	553	568	583	598	614
Silsbee	I	Gulf Coast Aquifer System | Hardin County	1,001	1,051	1,109	1,171	1,236	1,305
Sour Lake	I	Gulf Coast Aquifer System | Hardin County	296	293	289	282	276	269
West Hardin WSC*	I	Gulf Coast Aquifer System | Hardin County	385	383	378	369	360	352
Wildwood POA	I	Gulf Coast Aquifer System | Hardin County	118	117	116	113	110	108
County-Other	I	Gulf Coast Aquifer System | Hardin County	2,105	2,105	2,105	2,105	2,105	2,105

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Manufacturing	I	Gulf Coast Aquifer System | Hardin County	243	243	243	243	243	243
Mining	I	Gulf Coast Aquifer System | Hardin County	13	13	13	13	13	13
Steam Electric Power	I	Gulf Coast Aquifer System | Hardin County	1	1	1	1	1	1
Livestock	I	Gulf Coast Aquifer System | Hardin County	61	61	61	61	61	61
Livestock	I	Local Surface Water Supply	184	184	184	184	184	184
Irrigation	I	Gulf Coast Aquifer System | Hardin County	935	935	935	935	935	935
Irrigation	I	Neches Run-of-River	54	54	54	54	54	54
Hardin County / Trinity Basin WUG Total			**26**	**26**	**26**	**25**	**25**	**25**
Lake Livingston WSC*	I	Gulf Coast Aquifer System | Hardin County	10	10	10	9	9	9
County-Other	I	Gulf Coast Aquifer System | Hardin County	16	16	16	16	16	16
Livestock		No water supply associated with WUG	0	0	0	0	0	0
Henderson County WUG Total			**9,380**	**9,096**	**8,505**	**8,161**	**7,840**	**7,675**
Henderson County / Neches Basin WUG Total			**9,380**	**9,096**	**8,505**	**8,161**	**7,840**	**7,675**
Athens*	I	Athens Lake/Reservoir	18	17	17	16	14	13
Athens*	I	Carrizo-Wilcox Aquifer | Henderson County	32	24	20	16	8	6
Berryville	I	Carrizo-Wilcox Aquifer | Henderson County	95	90	97	98	99	99
Bethel Ash WSC*	I	Carrizo-Wilcox Aquifer | Henderson County	269	270	281	285	290	294
Brownsboro	I	Carrizo-Wilcox Aquifer | Henderson County	246	267	263	271	278	288
Brushy Creek WSC*	I	Carrizo-Wilcox Aquifer | Anderson County	5	5	5	5	5	5
Chandler	I	Carrizo-Wilcox Aquifer | Henderson County	676	831	980	980	980	980
Edom WSC*	D	Carrizo-Wilcox Aquifer | Van Zandt County	20	20	20	21	20	21
Frankston	I	Carrizo-Wilcox Aquifer | Anderson County	7	8	8	8	9	9

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Leagueville WSC	I	Carrizo-Wilcox Aquifer | Henderson County	229	242	242	249	255	262
Moore Station WSC	I	Carrizo-Wilcox Aquifer | Henderson County	382	412	408	420	433	445
Murchison	I	Carrizo-Wilcox Aquifer | Henderson County	110	108	114	115	116	118
R P M WSC*	D	Carrizo-Wilcox Aquifer | Van Zandt County	38	37	37	38	38	39
R P M WSC*	D	Queen City Aquifer | Van Zandt County	36	35	35	36	36	36
Virginia Hill WSC*	I	Carrizo-Wilcox Aquifer | Henderson County	202	208	212	217	221	226
County-Other*	I	Carrizo-Wilcox Aquifer | Henderson County	125	80	46	33	20	9
County-Other*	I	Other Aquifer | Henderson County	539	539	539	539	539	539
County-Other*	I	Queen City Aquifer | Henderson County	660	660	660	660	660	660
Mining*	I	Carrizo-Wilcox Aquifer | Henderson County	53	62	0	0	0	0
Mining*	I	Other Aquifer | Henderson County	120	120	120	120	120	120
Steam Electric Power*		No water supply associated with WUG	0	0	0	0	0	0
Livestock*	I	Athens Lake/Reservoir	3,023	2,761	2,265	1,952	1,670	1,523
Livestock*	I	Carrizo-Wilcox Aquifer | Henderson County	506	346	220	184	150	112
Livestock*	I	Local Surface Water Supply	632	632	632	632	632	632
Livestock*	I	Queen City Aquifer | Henderson County	419	419	419	419	419	419
Irrigation*	I	Athens Lake/Reservoir	85	82	71	65	58	55
Irrigation*	I	Carrizo-Wilcox Aquifer | Henderson County	73	50	32	27	21	16
Irrigation*	I	Palestine Lake/Reservoir	82	73	64	57	51	51
Irrigation*	I	Queen City Aquifer | Henderson County	698	698	698	698	698	698

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Houston County WUG Total			**9,826**	**9,723**	**9,582**	**9,475**	**9,370**	**9,276**
Houston County / Neches Basin WUG Total			**1,769**	**1,646**	**1,505**	**1,371**	**1,256**	**1,159**
Grapeland	I	Carrizo-Wilcox Aquifer | Houston County	94	94	98	98	98	100
Grapeland	I	Houston County Lake/Reservoir	0	0	0	0	0	0
Pennington WSC*	I	Yegua-Jackson Aquifer | Houston County	12	11	9	9	8	7
Pennington WSC*	I	Yegua-Jackson Aquifer | Trinity County	13	11	10	9	8	8
The Consolidated WSC	I	Carrizo-Wilcox Aquifer | Houston County	0	1	2	3	3	4
The Consolidated WSC	I	Houston County Lake/Reservoir	30	30	30	30	30	30
County-Other	I	Carrizo-Wilcox Aquifer | Houston County	48	34	25	16	8	0
County-Other	I	Other Aquifer | Houston County	0	0	0	0	0	0
County-Other	I	Queen City Aquifer | Houston County	67	48	34	20	10	0
County-Other	I	Sparta Aquifer | Houston County	155	110	78	48	22	0
County-Other	I	Yegua-Jackson Aquifer | Houston County	343	300	212	130	61	1
Manufacturing	I	Carrizo-Wilcox Aquifer | Houston County	2	2	2	2	2	2
Manufacturing	I	Houston County Lake/Reservoir	11	11	11	12	12	13
Livestock	I	Local Surface Water Supply	473	473	473	473	473	473
Livestock	I	Queen City Aquifer | Houston County	38	38	38	38	38	38
Irrigation	I	Neches Run-of-River	26	26	26	26	26	26
Irrigation	I	Trinity Run-of-River	457	457	457	457	457	457
Houston County / Trinity Basin WUG Total			**8,057**	**8,077**	**8,077**	**8,104**	**8,114**	**8,117**
Crockett	I	Carrizo-Wilcox Aquifer | Houston County	210	210	210	210	210	210
Crockett	I	Houston County Lake/Reservoir	1,080	1,014	915	888	852	809

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Crockett	I	Yegua-Jackson Aquifer | Houston County	0	0	0	0	0	0
Grapeland	I	Carrizo-Wilcox Aquifer | Houston County	136	138	142	144	146	148
Grapeland	I	Houston County Lake/Reservoir	0	0	0	0	0	0
Lovelady	I	Houston County Lake/Reservoir	109	105	100	98	96	94
Lovelady	I	Yegua-Jackson Aquifer | Houston County	133	133	133	133	133	133
Pennington WSC*	I	Yegua-Jackson Aquifer | Houston County	23	21	18	17	16	14
Pennington WSC*	I	Yegua-Jackson Aquifer | Trinity County	23	21	17	17	15	14
TDCJ Eastham Unit	I	Sparta Aquifer | Houston County	977	977	977	977	977	977
The Consolidated WSC	I	Carrizo-Wilcox Aquifer | Houston County	0	93	204	263	313	362
The Consolidated WSC	I	Houston County Lake/Reservoir	1,281	1,281	1,281	1,281	1,281	1,281
County-Other	I	Carrizo-Wilcox Aquifer | Houston County	4	3	2	1	0	0
County-Other	I	Other Aquifer | Houston County	0	0	0	0	0	0
County-Other	I	Queen City Aquifer | Houston County	5	4	3	2	1	0
County-Other	I	Sparta Aquifer | Houston County	12	9	6	4	2	0
County-Other	I	Yegua-Jackson Aquifer | Houston County	27	24	17	10	5	0
Manufacturing	I	Carrizo-Wilcox Aquifer | Houston County	2	2	2	2	2	2
Manufacturing	I	Houston County Lake/Reservoir	190	197	205	212	220	228
Mining	I	Other Aquifer | Houston County	245	245	245	245	245	245
Livestock	I	Local Surface Water Supply	1,318	1,318	1,318	1,318	1,318	1,318
Livestock	I	Queen City Aquifer | Houston County	96	96	96	96	96	96
Irrigation	I	Neches Run-of-River	121	121	121	121	121	121

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Irrigation	I	Trinity Run-of-River	2,065	2,065	2,065	2,065	2,065	2,065
Jasper County WUG Total			**62,950**	**64,844**	**66,813**	**68,852**	**70,668**	**73,234**
Jasper County / Neches Basin WUG Total			**61,137**	**63,103**	**65,137**	**67,229**	**69,094**	**71,704**
Brookeland FWSD	I	Gulf Coast Aquifer System | Jasper County	24	22	21	20	18	17
Brookeland FWSD	I	Yegua-Jackson Aquifer | Jasper County	21	20	19	17	17	15
Jasper	I	Gulf Coast Aquifer System | Jasper County	1,768	1,681	1,579	1,489	1,398	1,310
Rayburn Country MUD	I	Yegua-Jackson Aquifer | Jasper County	278	264	247	231	216	201
Rural WSC	I	Gulf Coast Aquifer System | Jasper County	106	100	94	88	82	76
South Jasper County WSC	I	Gulf Coast Aquifer System | Jasper County	55	52	48	45	42	39
Upper Jasper County Water Authority	I	Gulf Coast Aquifer System | Jasper County	312	295	276	259	242	224
County-Other	I	Gulf Coast Aquifer System | Jasper County	622	584	535	487	107	383
Manufacturing	I	Gulf Coast Aquifer System | Jasper County	46,485	46,485	46,485	46,485	46,485	46,485
Manufacturing	I	Neches Run-of-River	557	557	557	557	557	557
Manufacturing	I	Sam Rayburn-Steinhagen Lake/Reservoir System	10,618	12,752	14,985	17,260	19,639	22,106
Mining	I	Gulf Coast Aquifer System | Jasper County	28	28	28	28	28	28
Livestock	I	Local Surface Water Supply	118	118	118	118	118	118
Irrigation	I	Gulf Coast Aquifer System | Jasper County	86	86	86	86	86	86
Irrigation	I	Neches Run-of-River	59	59	59	59	59	59
Jasper County / Sabine Basin WUG Total			**1,813**	**1,741**	**1,676**	**1,623**	**1,574**	**1,530**
Jasper	I	Gulf Coast Aquifer System | Jasper County	9	8	8	7	7	6
Jasper County WCID 1	I	Gulf Coast Aquifer System | Jasper County	204	192	188	188	188	188

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Kirbyville	I	Gulf Coast Aquifer System | Jasper County	407	404	406	412	424	443
Mauriceville SUD	I	Gulf Coast Aquifer System | Orange County	10	10	10	10	9	9
South Jasper County WSC	I	Gulf Coast Aquifer System | Jasper County	160	151	142	133	124	115
South Kirbyville Rural WSC	I	Gulf Coast Aquifer System | Jasper County	79	83	88	94	102	112
Upper Jasper County Water Authority	I	Gulf Coast Aquifer System | Jasper County	107	101	94	88	82	77
County-Other	I	Gulf Coast Aquifer System | Jasper County	583	538	486	437	384	326
Livestock	I	Gulf Coast Aquifer System | Jasper County	76	76	76	76	76	76
Livestock	I	Local Surface Water Supply	93	93	93	93	93	93
Irrigation	I	Gulf Coast Aquifer System | Jasper County	51	51	51	51	51	51
Irrigation	I	Neches Run-of-River	34	34	34	34	34	34
Jefferson County WUG Total			**441,838**	**477,706**	**513,480**	**547,800**	**582,127**	**616,466**
Jefferson County / Neches Basin WUG Total			**103,958**	**119,911**	**135,893**	**151,475**	**167,059**	**182,645**
Beaumont	I	Gulf Coast Aquifer System | Jefferson County	2,659	2,659	2,659	2,659	2,659	2,659
Beaumont	I	Neches Run-of-River	3,054	3,146	3,226	3,122	3,074	3,069
Beaumont	I	Sam Rayburn-Steinhagen Lake/Reservoir System	3,525	3,657	3,839	3,816	3,739	3,621
Bevil Oaks	I	Gulf Coast Aquifer System | Jefferson County	99	100	100	98	97	96
China	I	Gulf Coast Aquifer System | Jefferson County	2	2	2	2	2	2
Groves	I	Sam Rayburn-Steinhagen Lake/Reservoir System	71	70	70	70	70	70
Jefferson County WCID 10	I	Sam Rayburn-Steinhagen Lake/Reservoir System	88	88	88	87	86	85
Meeker MWD	I	Gulf Coast Aquifer System | Jefferson County	102	103	102	101	100	99
Meeker MWD	I	Neches Run-of-River	1	1	1	1	1	1
Nederland	I	Sam Rayburn-Steinhagen Lake/Reservoir System	83	83	83	82	81	80

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Nome	I	Sam Rayburn-Steinhagen Lake/Reservoir System	101	101	101	100	99	97
Port Neches	I	Sam Rayburn-Steinhagen Lake/Reservoir System	794	797	795	785	775	766
County-Other	I	Gulf Coast Aquifer System | Jefferson County	241	241	241	241	241	241
County-Other	I	Neches Run-of-River	47	48	47	47	47	47
County-Other	I	Sam Rayburn-Steinhagen Lake/Reservoir System	5	5	5	5	5	5
Manufacturing	I	Gulf Coast Aquifer System | Hardin County	10	10	10	10	10	10
Manufacturing	I	Gulf Coast Aquifer System | Jefferson County	136	136	136	136	136	136
Manufacturing	I	Neches Run-of-River	27,047	31,616	37,588	43,559	49,577	55,639
Manufacturing	I	Sabine Run-of-River	582	582	582	582	582	582
Manufacturing	I	Sam Rayburn-Steinhagen Lake/Reservoir System	50,847	62,002	71,754	81,508	91,214	100,876
Livestock	I	Gulf Coast Aquifer System | Jefferson County	43	43	43	43	43	43
Livestock	I	Local Surface Water Supply	64	64	64	64	64	64
Irrigation	I	Gulf Coast Aquifer System | Jefferson County	53	53	53	53	53	53
Irrigation	I	Neches Run-of-River	9,800	9,800	9,800	9,800	9,800	9,800
Irrigation	I	Neches-Trinity Indirect Reuse	958	958	958	958	958	958
Irrigation	I	Neches-Trinity Run-of-River	3,546	3,546	3,546	3,546	3,546	3,546
Jefferson County / Neches-Trinity Basin WUG Total			**337,880**	**357,795**	**377,587**	**396,325**	**415,068**	**433,821**
Beaumont	I	Gulf Coast Aquifer System | Jefferson County	5,810	5,810	5,810	5,810	5,810	5,810
Beaumont	I	Neches Run-of-River	6,671	6,871	7,045	6,821	6,715	6,703
Beaumont	I	Sam Rayburn-Steinhagen Lake/Reservoir System	7,700	7,991	8,388	8,337	8,170	7,912
China	I	Gulf Coast Aquifer System | Jefferson County	176	177	177	174	172	170
Federal Correctional Complex Beaumont	I	Neches Run-of-River	613	610	610	610	610	610
Groves	I	Sam Rayburn-Steinhagen Lake/Reservoir System	2,218	2,209	2,209	2,209	2,209	2,209

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Jefferson County WCID 10	I	Sam Rayburn-Steinhagen Lake/Reservoir System	509	512	510	504	498	492
Meeker MWD	I	Gulf Coast Aquifer System | Jefferson County	279	280	279	276	272	269
Meeker MWD	I	Neches Run-of-River	3	3	3	3	3	3
Nederland	I	Sam Rayburn-Steinhagen Lake/Reservoir System	2,339	2,350	2,344	2,315	2,287	2,260
Nome	I	Sam Rayburn-Steinhagen Lake/Reservoir System	44	45	44	44	43	43
Port Arthur	I	Sam Rayburn-Steinhagen Lake/Reservoir System	18,309	18,454	18,405	18,183	17,964	17,748
Port Neches	I	Sam Rayburn-Steinhagen Lake/Reservoir System	764	767	765	756	747	738
Trinity Bay Conservation District*	I	Sam Rayburn-Steinhagen Lake/Reservoir System	18	17	16	15	14	13
Trinity Bay Conservation District*	H	Trinity Run-of-River	27	25	23	22	20	19
West Jefferson County MWD	I	Sam Rayburn-Steinhagen Lake/Reservoir System	929	928	936	948	960	972
County-Other	I	Gulf Coast Aquifer System | Jefferson County	1,863	1,863	1,863	1,863	1,863	1,863
County-Other	I	Neches Run-of-River	877	876	877	877	877	877
County-Other	I	Sam Rayburn-Steinhagen Lake/Reservoir System	105	105	105	105	105	105
Manufacturing	I	Gulf Coast Aquifer System | Hardin County	10	10	10	10	10	10
Manufacturing	I	Gulf Coast Aquifer System | Jefferson County	28	28	28	28	28	28
Manufacturing	I	Neches Run-of-River	33,154	38,755	46,077	53,398	60,773	68,206
Manufacturing	I	Sabine Run-of-River	538	538	538	538	538	538
Manufacturing	I	Sam Rayburn-Steinhagen Lake/Reservoir System	62,648	76,323	88,277	100,231	112,132	123,975
Mining	I	Gulf Coast Aquifer System | Jefferson County	34	34	34	34	34	34
Mining	I	Local Surface Water Supply	109	109	109	109	109	109
Mining	I	Neches-Trinity Run-of-River	34	34	34	34	34	34

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Livestock	I	Gulf Coast Aquifer System | Jefferson County	596	596	596	596	596	596
Livestock	I	Local Surface Water Supply	736	736	736	736	736	736
Irrigation	I	Gulf Coast Aquifer System | Jefferson County	702	702	702	702	702	702
Irrigation	I	Neches Run-of-River	130,200	130,200	130,200	130,200	130,200	130,200
Irrigation	I	Neches-Trinity Indirect Reuse	12,729	12,729	12,729	12,729	12,729	12,729
Irrigation	I	Neches-Trinity Run-of-River	47,108	47,108	47,108	47,108	47,108	47,108
Nacogdoches County WUG Total			**38,573**	**39,157**	**39,766**	**40,594**	**41,439**	**42,297**
Nacogdoches County / Neches Basin WUG Total			**38,573**	**39,157**	**39,766**	**40,594**	**41,439**	**42,297**
Appleby WSC	I	Carrizo-Wilcox Aquifer | Nacogdoches County	1,070	1,102	1,134	1,187	1,240	1,291
Appleby WSC	I	Nacogdoches Lake/Reservoir	64	63	63	62	62	61
Caro WSC	I	Carrizo-Wilcox Aquifer | Nacogdoches County	372	383	394	413	431	449
Cushing	I	Carrizo-Wilcox Aquifer | Nacogdoches County	139	144	148	155	162	168
D & M WSC	I	Carrizo-Wilcox Aquifer | Nacogdoches County	80	82	83	85	86	88
D & M WSC	I	Nacogdoches Lake/Reservoir	178	176	175	173	172	170
Etoile WSC	I	Carrizo-Wilcox Aquifer | Nacogdoches County	337	347	357	374	391	407
Garrison	I	Carrizo-Wilcox Aquifer | Nacogdoches County	259	266	273	284	295	305
Lilly Grove SUD	I	Carrizo-Wilcox Aquifer | Nacogdoches County	500	514	529	554	578	602
Melrose WSC	I	Carrizo-Wilcox Aquifer | Nacogdoches County	827	851	875	916	956	994
Melrose WSC	I	Nacogdoches Lake/Reservoir	25	25	25	25	25	24
Nacogdoches	I	Carrizo-Wilcox Aquifer | Nacogdoches County	2,313	2,415	2,522	2,665	2,813	2,967
Nacogdoches	I	Nacogdoches Lake/Reservoir	5,108	5,199	5,287	5,439	5,584	5,723

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WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Swift WSC	I	Carrizo-Wilcox Aquifer | Nacogdoches County	422	434	446	468	489	509
Woden WSC	I	Carrizo-Wilcox Aquifer | Nacogdoches County	262	269	276	289	302	315
Woden WSC	I	Gulf Coast Aquifer System | Jasper County	0	0	0	0	0	0
Woden WSC	I	Nacogdoches Lake/Reservoir	0	0	0	0	0	0
County-Other	I	Carrizo-Wilcox Aquifer | Nacogdoches County	75	89	107	137	167	196
County-Other	I	Nacogdoches Lake/Reservoir	46	46	45	45	45	44
County-Other	I	Other Aquifer | Nacogdoches County	79	79	79	79	79	79
County-Other	I	Queen City Aquifer | Nacogdoches County	221	221	221	221	221	221
County-Other	I	Sparta Aquifer | Nacogdoches County	156	156	156	156	156	156
County-Other	I	Yegua-Jackson Aquifer | Nacogdoches County	26	26	26	26	26	26
Manufacturing	I	Carrizo-Wilcox Aquifer | Nacogdoches County	902	951	1,004	1,061	1,120	1,184
Manufacturing	I	Nacogdoches Lake/Reservoir	1,990	2,048	2,106	2,164	2,224	2,284
Manufacturing	I	Sam Rayburn-Steinhagen Lake/Reservoir System	10,000	10,000	10,000	10,000	10,000	10,000
Mining	I	Local Surface Water Supply	1	1	1	1	1	1
Mining	I	Other Aquifer | Nacogdoches County	974	974	974	974	974	974
Steam Electric Power	I	Striker Lake/Reservoir	1,494	1,643	1,807	1,988	2,187	2,406
Livestock	I	Carrizo-Wilcox Aquifer | Nacogdoches County	851	851	851	851	851	851
Livestock	I	Local Surface Water Supply	8,913	8,913	8,913	8,913	8,913	8,913
Livestock	I	Other Aquifer | Nacogdoches County	78	78	78	78	78	78
Livestock	I	Queen City Aquifer | Nacogdoches County	310	310	310	310	310	310
Livestock	I	Sparta Aquifer | Nacogdoches County	156	156	156	156	156	156

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Irrigation	I	Carrizo-Wilcox Aquifer | Nacogdoches County	266	266	266	266	266	266
Irrigation	I	Neches Run-of-River	79	79	79	79	79	79
Newton County WUG Total			**28,075**	**28,154**	**28,239**	**28,340**	**28,452**	**28,579**
Newton County / Sabine Basin WUG Total			**28,075**	**28,154**	**28,239**	**28,340**	**28,452**	**28,579**
Bon Wier WSC	I	Gulf Coast Aquifer System | Newton County	86	74	63	52	41	30
Brookeland FWSD	I	Gulf Coast Aquifer System | Newton County	61	55	49	43	37	32
Mauriceville SUD	I	Gulf Coast Aquifer System | Orange County	31	31	30	27	23	20
Newton	I	Gulf Coast Aquifer System | Newton County	343	311	278	247	217	189
South Kirbyville Rural WSC	I	Gulf Coast Aquifer System | Jasper County	11	10	9	8	7	6
South Newton WSC	I	Gulf Coast Aquifer System | Newton County	233	211	187	165	143	122
County-Other	I	Gulf Coast Aquifer System | Newton County	693	618	543	474	407	340
Manufacturing	I	Gulf Coast Aquifer System | Newton County	394	394	394	394	394	394
Manufacturing	I	Sabine Run-of-River	5,746	5,973	6,209	6,453	6,706	6,969
Mining	I	Gulf Coast Aquifer System | Newton County	96	96	96	96	96	96
Mining	I	Local Surface Water Supply	78	78	78	78	78	78
Steam Electric Power	I	Sabine Run-of-River	19,603	19,603	19,603	19,603	19,603	19,603
Livestock	I	Gulf Coast Aquifer System | Newton County	105	105	105	105	105	105
Livestock	I	Local Surface Water Supply	157	157	157	157	157	157
Irrigation	I	Gulf Coast Aquifer System | Newton County	388	388	388	388	388	388
Irrigation	I	Sabine Run-of-River	50	50	50	50	50	50
Orange County WUG Total			**142,400**	**142,480**	**142,550**	**145,043**	**149,418**	**153,960**
Orange County / Neches Basin WUG Total			**18,405**	**18,248**	**18,185**	**18,248**	**18,358**	**18,465**
Bridge City	I	Gulf Coast Aquifer System | Orange County	221	236	238	245	252	257

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Kelly G Brewer	I	Gulf Coast Aquifer System | Orange County	150	151	151	148	145	142
Mauriceville SUD	I	Gulf Coast Aquifer System | Orange County	69	73	76	76	76	76
Orange County WCID 1	I	Gulf Coast Aquifer System | Orange County	1,255	1,192	1,190	1,112	1,038	967
Orangefield WSC	I	Gulf Coast Aquifer System | Orange County	402	457	522	598	684	782
County-Other	I	Gulf Coast Aquifer System | Orange County	2,168	2,168	2,169	2,169	2,169	2,169
County-Other	I	Sabine Run-of-River	228	228	228	228	228	228
Manufacturing	I	Gulf Coast Aquifer System | Orange County	115	115	116	115	115	115
Manufacturing	I	Sabine Run-of-River	1,102	1,102	1,102	1,149	1,234	1,321
Manufacturing	I	Toledo Bend Lake/Reservoir	1,015	1,015	1,015	1,015	1,015	1,015
Mining	I	Gulf Coast Aquifer System | Orange County	101	101	101	101	101	101
Mining	I	Local Surface Water Supply	161	161	161	161	161	161
Steam Electric Power	I	Gulf Coast Aquifer System | Orange County	1,242	1,073	940	955	964	955
Steam Electric Power	I	Sabine Run-of-River	10,081	10,081	10,081	10,081	10,081	10,081
Livestock	I	Gulf Coast Aquifer System | Orange County	69	69	69	69	69	69
Livestock	I	Local Surface Water Supply	26	26	26	26	26	26
Orange County / Neches-Trinity Basin WUG Total			**144**	**152**	**153**	**158**	**162**	**165**
Bridge City	I	Gulf Coast Aquifer System | Orange County	139	147	149	154	158	161
County-Other	I	Gulf Coast Aquifer System | Orange County	2	2	1	1	1	1
Livestock	I	Gulf Coast Aquifer System | Orange County	1	1	1	1	1	1
Livestock	I	Local Surface Water Supply	2	2	2	2	2	2

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Orange County / Sabine Basin WUG Total			**123,851**	**124,080**	**124,212**	**126,637**	**130,898**	**135,330**
Bridge City	I	Gulf Coast Aquifer System | Orange County	911	974	983	1,010	1,036	1,061
Kelly G Brewer	I	Gulf Coast Aquifer System | Orange County	165	166	167	163	160	156
Mauriceville SUD	I	Gulf Coast Aquifer System | Orange County	656	694	715	722	719	713
Orange	I	Gulf Coast Aquifer System | Orange County	3,522	3,582	3,598	3,561	3,525	3,489
Orange County WCID 1	I	Gulf Coast Aquifer System | Orange County	201	191	190	178	166	155
Orange County WCID 2	I	Gulf Coast Aquifer System | Orange County	456	452	452	439	425	412
Orangefield WSC	I	Gulf Coast Aquifer System | Orange County	515	586	671	767	877	1,004
Pinehurst	I	Gulf Coast Aquifer System | Orange County	346	352	353	350	346	342
South Newton WSC	I	Gulf Coast Aquifer System | Orange County	188	192	193	191	189	187
County-Other	I	Gulf Coast Aquifer System | Orange County	3,050	3,050	3,050	3,050	3,050	3,050
Manufacturing	I	Gulf Coast Aquifer System | Orange County	5,750	5,750	5,749	5,750	5,750	5,750
Manufacturing	I	Sabine Run-of-River	54,859	54,859	54,859	57,224	61,423	65,779
Manufacturing	I	Toledo Bend Lake/Reservoir	50,536	50,536	50,536	50,536	50,536	50,536
Livestock	I	Gulf Coast Aquifer System | Orange County	181	181	181	181	181	181
Livestock	I	Local Surface Water Supply	70	70	70	70	70	70
Irrigation	I	Direct Reuse	15	15	15	15	15	15
Irrigation	I	Sabine Run-of-River	2,430	2,430	2,430	2,430	2,430	2,430
Panola County WUG Total			**15,757**	**15,805**	**15,827**	**15,943**	**15,844**	**15,864**
Panola County / Cypress Basin WUG Total			**8**	**7**	**6**	**5**	**5**	**5**
Panola-Bethany WSC*	I	Carrizo-Wilcox Aquifer | Panola County	8	7	6	5	5	5
County-Other		No water supply associated with WUG	0	0	0	0	0	0

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Panola County / Sabine Basin WUG Total			**15,749**	**15,798**	**15,821**	**15,938**	**15,839**	**15,859**
Beckville	I	Carrizo-Wilcox Aquifer | Panola County	87	77	69	62	56	51
Carthage	I	Carrizo-Wilcox Aquifer | Panola County	49	48	48	47	46	45
Carthage	I	Murvaul Lake/Reservoir	1,600	1,584	1,561	1,531	1,503	1,475
Clayton WSC	I	Carrizo-Wilcox Aquifer | Panola County	198	222	252	366	281	296
Clayton WSC	I	Murvaul Lake/Reservoir	59	59	59	59	59	59
Deberry WSC	I	Carrizo-Wilcox Aquifer | Panola County	94	82	68	59	50	40
Elysian Fields WSC*		No water supply associated with WUG	0	0	0	0	0	0
Gill WSC*	D	Carrizo-Wilcox Aquifer | Harrison County	126	126	126	126	126	126
Gill WSC*	D	O' the Pines Lake/Reservoir	33	33	33	33	33	33
Hollands Quarter WSC	I	Carrizo-Wilcox Aquifer | Panola County	71	65	58	52	48	43
Hollands Quarter WSC	I	Murvaul Lake/Reservoir	53	53	53	53	53	53
Minden Brachfield WSC	I	Carrizo-Wilcox Aquifer | Rusk County	13	15	19	20	22	24
Panola-Bethany WSC*	I	Carrizo-Wilcox Aquifer | Panola County	133	118	106	96	86	79
Rehobeth WSC	I	Murvaul Lake/Reservoir	88	79	68	61	54	47
Tatum	I	Carrizo-Wilcox Aquifer | Rusk County	33	25	20	15	11	9
County-Other	I	Carrizo-Wilcox Aquifer | Panola County	973	931	877	837	796	754
County-Other	I	Murvaul Lake/Reservoir	100	100	100	100	100	100
Manufacturing	I	Carrizo-Wilcox Aquifer | Panola County	128	137	147	156	166	177
Manufacturing	I	Murvaul Lake/Reservoir	1,056	1,095	1,135	1,178	1,222	1,267
Manufacturing	I	Sabine Run-of-River	114	114	114	114	114	114
Mining	I	Carrizo-Wilcox Aquifer | Panola County	1,189	1,240	1,288	1,332	1,370	1,406
Mining	I	Murvaul Lake/Reservoir	1,368	1,386	1,386	1,386	1,368	1,368
Mining	I	Sabine Run-of-River	168	168	168	168	168	168

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Mining	I	Toledo Bend Lake/Reservoir	3,756	3,756	3,756	3,756	3,756	3,756
Livestock	I	Carrizo-Wilcox Aquifer | Panola County	595	620	645	666	686	704
Livestock	I	Local Surface Water Supply	2,596	2,596	2,596	2,596	2,596	2,596
Irrigation	I	Carrizo-Wilcox Aquifer | Panola County	917	917	917	917	917	917
Irrigation	I	Sabine Run-of-River	152	152	152	152	152	152
Polk County WUG Total			**2,374**	**2,471**	**2,557**	**2,642**	**2,725**	**2,805**
Polk County / Neches Basin WUG Total			**2,374**	**2,471**	**2,557**	**2,642**	**2,725**	**2,805**
Chester WSC	I	Gulf Coast Aquifer System | Tyler County	49	53	55	57	59	61
Corrigan	I	Gulf Coast Aquifer System | Polk County	238	255	264	274	283	293
Damascus-Stryker WSC	I	Yegua-Jackson Aquifer | Polk County	188	202	210	218	226	234
Lake Livingston WSC*	I	Gulf Coast Aquifer System | Polk County	75	81	84	87	90	94
Leggett WSC*	H	Gulf Coast Aquifer System | Polk County	2	2	3	3	3	3
Moscow WSC*	I	Gulf Coast Aquifer System | Polk County	85	91	95	98	102	106
Soda WSC*	H	Gulf Coast Aquifer System | Polk County	17	18	19	20	20	21
County-Other*	I	Gulf Coast Aquifer System | Polk County	743	797	840	882	923	957
Manufacturing*	I	Gulf Coast Aquifer System | Polk County	401	416	431	447	463	480
Mining*	I	Gulf Coast Aquifer System | Polk County	103	83	83	83	83	83
Mining*	I	Local Surface Water Supply	1	1	1	1	1	1
Livestock*	I	Gulf Coast Aquifer System | Polk County	1	1	1	1	1	1
Livestock*	I	Local Surface Water Supply	147	147	147	147	147	147
Livestock*	I	Yegua-Jackson Aquifer | Polk County	11	11	11	11	11	11

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Irrigation*	I	Gulf Coast Aquifer System | Polk County	313	313	313	313	313	313
Rusk County WUG Total			**63,726**	**64,021**	**63,995**	**63,978**	**63,967**	**63,983**
Rusk County / Neches Basin WUG Total			**10,305**	**10,229**	**10,138**	**10,039**	**9,936**	**9,844**
Ebenezer WSC	I	Carrizo-Wilcox Aquifer | Rusk County	181	175	166	156	146	137
Garrison	I	Carrizo-Wilcox Aquifer | Nacogdoches County	1	1	1	1	1	1
Gaston WSC	I	Carrizo-Wilcox Aquifer | Rusk County	149	144	137	128	120	112
Goodsprings WSC	I	Carrizo-Wilcox Aquifer | Rusk County	230	221	210	198	185	173
Henderson	I	Carrizo-Wilcox Aquifer | Rusk County	1,396	1,396	1,396	1,396	1,396	1,396
Henderson	D	Fork Lake/Reservoir	3,472	3,433	3,395	3,357	3,318	3,282
Henderson	I	Striker Lake/Reservoir	118	129	142	157	172	189
Jacobs WSC	I	Carrizo-Wilcox Aquifer | Rusk County	5	5	5	5	6	6
Minden Brachfield WSC	I	Carrizo-Wilcox Aquifer | Rusk County	142	138	131	124	116	108
Mt Enterprise WSC	I	Carrizo-Wilcox Aquifer | Rusk County	222	214	204	191	179	167
New London	I	Carrizo-Wilcox Aquifer | Rusk County	164	158	151	142	133	124
Overton*	I	Carrizo-Wilcox Aquifer | Rusk County	42	41	39	37	32	32
South Rusk County WSC	I	Carrizo-Wilcox Aquifer | Rusk County	242	234	222	209	196	182
Wright City WSC	I	Carrizo-Wilcox Aquifer | Smith County	23	22	21	20	18	17
County-Other	I	Carrizo-Wilcox Aquifer | Rusk County	849	849	849	849	849	849
Manufacturing	I	Carrizo-Wilcox Aquifer | Rusk County	244	244	244	244	244	244
Manufacturing	I	Neches Run-of-River	1	1	1	1	1	1
Mining	I	Carrizo-Wilcox Aquifer | Rusk County	109	109	109	109	109	109
Mining	I	Local Surface Water Supply	828	828	828	828	828	828

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Mining	I	Other Aquifer | Rusk County	264	264	264	264	264	264
Livestock	I	Carrizo-Wilcox Aquifer | Rusk County	289	289	289	289	289	289
Livestock	I	Local Surface Water Supply	991	991	991	991	991	991
Livestock	I	Queen City Aquifer | Rusk County	33	33	33	33	33	33
Irrigation	I	Carrizo-Wilcox Aquifer | Rusk County	251	251	251	251	251	251
Irrigation	I	Neches Run-of-River	59	59	59	59	59	59
Rusk County / Sabine Basin WUG Total			**53,421**	**53,792**	**53,857**	**53,939**	**54,031**	**54,139**
Chalk Hill SUD*	I	Carrizo-Wilcox Aquifer | Rusk County	232	222	211	199	186	174
Cross Roads SUD*	I	Carrizo-Wilcox Aquifer | Rusk County	296	305	318	334	351	371
Cross Roads SUD*	D	Fork Lake/Reservoir	248	273	288	310	337	366
Crystal Farms WSC	I	Carrizo-Wilcox Aquifer | Rusk County	130	141	156	173	192	215
Elderville WSC*	I	Carrizo-Wilcox Aquifer | Rusk County	69	67	65	62	60	58
Elderville WSC*	I	Cherokee Lake/Reservoir	95	96	96	96	95	111
Elderville WSC*	D	Fork Lake/Reservoir	97	97	97	97	97	96
Henderson	I	Carrizo-Wilcox Aquifer | Rusk County	482	482	482	482	482	482
Henderson	D	Fork Lake/Reservoir	1,043	1,032	1,021	1,010	999	986
Henderson	I	Sabine Run-of-River	10	10	10	10	10	10
Henderson	I	Striker Lake/Reservoir	35	39	43	47	52	57
Jacobs WSC	I	Carrizo-Wilcox Aquifer | Rusk County	304	321	341	365	391	423
Kilgore*	D	Carrizo-Wilcox Aquifer | Gregg County	351	356	356	355	352	347
Kilgore*	D	Fork Lake/Reservoir	434	783	848	924	1,008	1,095
Minden Brachfield WSC	I	Carrizo-Wilcox Aquifer | Rusk County	71	69	65	61	57	53
New London	I	Carrizo-Wilcox Aquifer | Rusk County	118	115	109	102	96	90
New Prospect WSC	I	Carrizo-Wilcox Aquifer | Rusk County	149	143	136	128	120	112

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Overton*	I	Carrizo-Wilcox Aquifer | Rusk County	404	391	372	350	330	309
Southern Utilities*	I	Carrizo-Wilcox Aquifer | Rusk County	79	76	72	68	64	59
Southern Utilities*	I	Carrizo-Wilcox Aquifer | Smith County	0	0	0	0	0	0
Tatum	I	Carrizo-Wilcox Aquifer | Rusk County	251	242	230	216	202	189
West Gregg SUD*	D	Carrizo-Wilcox Aquifer | Gregg County	22	22	22	22	22	23
County-Other	I	Carrizo-Wilcox Aquifer | Rusk County	614	614	614	614	614	614
County-Other	I	Other Aquifer | Rusk County	85	85	85	85	85	85
Mining	I	Carrizo-Wilcox Aquifer | Rusk County	1,974	1,983	1,992	2,001	2,001	1,986
Mining	I	Local Surface Water Supply	430	430	430	430	430	430
Mining	I	Other Aquifer | Rusk County	194	194	194	194	194	194
Steam Electric Power	I	Carrizo-Wilcox Aquifer | Rusk County	1,279	1,279	1,279	1,279	1,279	1,279
Steam Electric Power	I	Martin Lake/Reservoir	25,000	25,000	25,000	25,000	25,000	25,000
Steam Electric Power	I	Toledo Bend Lake/Reservoir	17,922	17,922	17,922	17,922	17,922	17,922
Livestock	I	Carrizo-Wilcox Aquifer | Rusk County	256	256	256	256	256	256
Livestock	I	Local Surface Water Supply	424	424	424	424	424	424
Irrigation	I	Other Aquifer | Rusk County	196	196	196	196	196	196
Irrigation	I	Sabine Run-of-River	127	127	127	127	127	127
Sabine County WUG Total			**3,159**	**3,212**	**3,188**	**3,171**	**3,157**	**3,142**
Sabine County / Neches Basin WUG Total			**1,077**	**1,071**	**1,053**	**1,041**	**1,029**	**1,018**
Brookeland FWSD	I	Yegua-Jackson Aquifer | Jasper County	70	63	58	54	51	47
G M WSC	I	Carrizo-Wilcox Aquifer | Sabine County	25	25	25	25	25	25

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
G M WSC	I	Toledo Bend Lake/Reservoir	114	115	114	114	113	114
G M WSC	I	Yegua-Jackson Aquifer | Sabine County	55	55	55	55	55	55
Pineland	I	Yegua-Jackson Aquifer | Sabine County	169	153	140	132	124	115
Manufacturing	I	Direct Reuse	20	20	20	20	20	20
Manufacturing	I	Neches Run-of-River	162	162	162	162	162	162
Manufacturing	I	Other Aquifer | Sabine County	336	336	336	336	336	336
Manufacturing	I	Yegua-Jackson Aquifer | Sabine County	45	45	45	45	45	45
Livestock	I	Carrizo-Wilcox Aquifer | Sabine County	34	45	45	45	45	45
Livestock	I	Local Surface Water Supply	26	26	26	26	26	26
Livestock	I	Sparta Aquifer | Sabine County	21	26	27	27	27	28
Sabine County / Sabine Basin WUG Total			**2,082**	**2,141**	**2,135**	**2,130**	**2,128**	**2,124**
Brookeland FWSD	I	Carrizo-Wilcox Aquifer | Sabine County	10	9	8	8	7	7
G M WSC	I	Carrizo-Wilcox Aquifer | Sabine County	95	95	95	95	95	95
G M WSC	I	Toledo Bend Lake/Reservoir	430	429	428	428	429	428
G M WSC	I	Yegua-Jackson Aquifer | Sabine County	207	207	206	206	206	206
Hemphill	I	Toledo Bend Lake/Reservoir	476	476	476	476	476	476
New WSC	I	Carrizo-Wilcox Aquifer | San Augustine County	5	4	4	3	3	3
County-Other	I	Carrizo-Wilcox Aquifer | Rusk County	0	0	0	0	0	0
County-Other	I	Carrizo-Wilcox Aquifer | Sabine County	74	69	66	63	61	59
County-Other	I	Carrizo-Wilcox Aquifer | Shelby County	0	0	0	0	0	0
County-Other	I	Other Aquifer | Sabine County	0	0	0	0	0	0

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
County-Other	I	Sparta Aquifer | Sabine County	11	9	9	8	8	7
County-Other	I	Toledo Bend Lake/Reservoir	37	37	37	37	37	37
Mining	I	Other Aquifer | Sabine County	0	0	0	0	0	0
Mining	I	Toledo Bend Lake/Reservoir	334	334	334	334	334	334
Livestock	I	Carrizo-Wilcox Aquifer | Sabine County	103	136	136	136	136	136
Livestock	I	Local Surface Water Supply	175	175	175	175	175	175
Livestock	I	Sparta Aquifer | Sabine County	13	13	13	13	13	13
Livestock	I	Yegua-Jackson Aquifer | Sabine County	112	148	148	148	148	148
San Augustine County WUG Total			**4,938**	**4,949**	**4,953**	**4,953**	**4,953**	**4,953**
San Augustine County / Neches Basin WUG Total			**4,535**	**4,546**	**4,547**	**4,547**	**4,547**	**4,547**
Choice WSC	I	Carrizo-Wilcox Aquifer | Shelby County	2	2	2	2	2	2
Denning WSC	I	Carrizo-Wilcox Aquifer | San Augustine County	120	108	98	91	84	77
New WSC	I	Carrizo-Wilcox Aquifer | San Augustine County	86	77	69	64	59	55
San Augustine	I	San Augustine Lake/Reservoir	642	636	638	621	612	615
San Augustine Rural WSC	I	San Augustine Lake/Reservoir	271	271	271	271	271	271
Sand Hills WSC	I	Carrizo-Wilcox Aquifer | Shelby County	6	7	8	8	8	8
County-Other	I	Carrizo-Wilcox Aquifer | Nacogdoches County	1	1	1	1	1	1
County-Other	I	Carrizo-Wilcox Aquifer | San Augustine County	22	25	27	27	29	31
County-Other	I	Other Aquifer | San Augustine County	196	200	199	211	218	215
County-Other	I	San Augustine Lake/Reservoir	65	65	65	65	65	65
County-Other	I	Sparta Aquifer | San Augustine County	83	83	83	83	83	83

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
County-Other	I	Yegua-Jackson Aquifer | San Augustine County	230	230	230	230	230	230
Manufacturing	I	Carrizo-Wilcox Aquifer | San Augustine County	8	8	8	8	8	8
Mining	I	Other Aquifer | San Augustine County	1,119	1,113	1,115	1,098	1,089	1,092
Mining	I	San Augustine Lake/Reservoir	292	298	296	313	322	319
Livestock	I	Carrizo-Wilcox Aquifer | San Augustine County	69	87	103	115	125	133
Livestock	I	Local Surface Water Supply	1,167	1,167	1,167	1,167	1,167	1,167
Livestock	I	Other Aquifer | San Augustine County	61	73	72	77	79	79
Livestock	I	Sparta Aquifer | San Augustine County	80	80	80	80	80	80
Irrigation	I	Carrizo-Wilcox Aquifer | San Augustine County	15	15	15	15	15	16
San Augustine County / Sabine Basin WUG Total			**403**	**403**	**406**	**406**	**406**	**406**
G M WSC	I	Carrizo-Wilcox Aquifer | Sabine County	4	4	4	4	4	4
G M WSC	I	Toledo Bend Lake/Reservoir	16	16	18	18	18	18
G M WSC	I	Yegua-Jackson Aquifer | Sabine County	8	8	9	9	9	9
San Augustine Rural WSC	I	San Augustine Lake/Reservoir	15	15	15	15	15	15
County-Other	I	Carrizo-Wilcox Aquifer | San Augustine County	88	88	88	88	88	88
Livestock	I	Carrizo-Wilcox Aquifer | San Augustine County	139	139	139	139	139	139
Livestock	I	Local Surface Water Supply	132	132	132	132	132	132
Irrigation	I	Carrizo-Wilcox Aquifer | San Augustine County	1	1	1	1	1	1
Shelby County WUG Total			**23,827**	**23,744**	**23,676**	**23,614**	**23,561**	**23,514**
Shelby County / Neches Basin WUG Total			**4,079**	**4,101**	**4,114**	**4,115**	**4,106**	**4,092**
Choice WSC	I	Carrizo-Wilcox Aquifer | Shelby County	28	29	31	34	37	41

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Sand Hills WSC	I	Carrizo-Wilcox Aquifer | Shelby County	153	153	152	152	152	151
Sand Hills WSC	I	Center Lake/Reservoir	19	23	27	29	31	34
Sand Hills WSC	I	Pinkston Lake/Reservoir	143	162	189	206	222	239
Timpson	I	Carrizo-Wilcox Aquifer | Shelby County	7	7	7	8	8	8
County-Other	I	Pinkston Lake/Reservoir	840	839	820	797	767	730
County-Other	I	Timpson Lake/Reservoir	350	350	350	350	350	350
Mining	I	Toledo Bend Lake/Reservoir	5	5	5	5	5	5
Livestock	I	Carrizo-Wilcox Aquifer | Shelby County	430	430	430	430	430	430
Livestock	I	Local Surface Water Supply	2,101	2,100	2,100	2,101	2,101	2,101
Irrigation	I	Carrizo-Wilcox Aquifer | Shelby County	3	3	3	3	3	3
Shelby County / Sabine Basin WUG Total			**19,748**	**19,643**	**19,562**	**19,499**	**19,455**	**19,422**
Center	I	Center Lake/Reservoir	260	260	261	262	263	264
Center	I	Pinkston Lake/Reservoir	1,875	1,875	1,874	1,873	1,872	1,871
Choice WSC	I	Carrizo-Wilcox Aquifer | Shelby County	79	84	91	98	108	119
East Lamar WSC	I	Carrizo-Wilcox Aquifer | Shelby County	108	114	123	134	146	162
Five Way WSC	I	Carrizo-Wilcox Aquifer | Shelby County	151	152	153	152	152	151
Flat Fork WSC	I	Carrizo-Wilcox Aquifer | Shelby County	114	94	79	65	53	44
Huxley	I	Toledo Bend Lake/Reservoir	551	510	479	453	432	415
Joaquin	I	Toledo Bend Lake/Reservoir	124	99	80	63	50	39
McClelland WSC	I	Carrizo-Wilcox Aquifer | Shelby County	188	167	138	119	99	78
New WSC	I	Carrizo-Wilcox Aquifer | San Augustine County	4	5	6	6	7	7
Sand Hills WSC	I	Carrizo-Wilcox Aquifer | Shelby County	131	130	130	130	130	131
Sand Hills WSC	I	Center Lake/Reservoir	17	19	22	24	26	28
Sand Hills WSC	I	Pinkston Lake/Reservoir	121	137	160	173	188	202

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Tenaha	I	Carrizo-Wilcox Aquifer | Shelby County	250	221	182	154	126	97
Timpson	I	Carrizo-Wilcox Aquifer | Shelby County	180	159	129	109	89	67
County-Other	I	Carrizo-Wilcox Aquifer | Shelby County	512	512	494	474	447	413
County-Other	I	Center Lake/Reservoir	116	117	114	112	108	103
County-Other	I	Toledo Bend Lake/Reservoir	100	95	90	82	75	68
Manufacturing	I	Carrizo-Wilcox Aquifer | Shelby County	140	169	169	169	169	169
Manufacturing	I	Center Lake/Reservoir	88	81	76	73	72	71
Manufacturing	I	Direct Reuse	80	80	80	80	80	80
Manufacturing	I	Pinkston Lake/Reservoir	633	587	544	526	513	508
Mining	I	Carrizo-Wilcox Aquifer | Shelby County	1,026	1,026	1,026	1,026	1,026	1,026
Mining	I	Toledo Bend Lake/Reservoir	3,405	3,405	3,405	3,405	3,405	3,405
Livestock	I	Carrizo-Wilcox Aquifer | Shelby County	1,320	1,369	1,481	1,562	1,644	1,729
Livestock	I	Local Surface Water Supply	8,168	8,169	8,169	8,168	8,168	8,168
Irrigation	I	Carrizo-Wilcox Aquifer | Shelby County	7	7	7	7	7	7
Irrigation	I	Direct Reuse	0	0	0	0	0	0
Smith County WUG Total			**59,493**	**63,936**	**68,921**	**71,667**	**74,567**	**77,631**
Smith County / Neches Basin WUG Total			**59,493**	**63,936**	**68,921**	**71,667**	**74,567**	**77,631**
Arp	I	Carrizo-Wilcox Aquifer | Smith County	155	141	132	120	108	96
Ben Wheeler WSC*	D	Carrizo-Wilcox Aquifer | Van Zandt County	2	4	4	3	3	3
Bullard	I	Carrizo-Wilcox Aquifer | Cherokee County	299	342	371	399	426	452
Bullard	I	Carrizo-Wilcox Aquifer | Smith County	998	1,110	1,110	1,110	1,110	1,110
Bullard	I	Gulf Coast Aquifer System | Jasper County	0	0	0	0	0	0
Bullard	I	Jacksonville Lake/Reservoir	699	797	866	930	993	1,054

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WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Carroll WSC*	I	Carrizo-Wilcox Aquifer | Smith County	89	99	109	122	136	137
Crystal Systems Texas*	D	Carrizo-Wilcox Aquifer | Smith County	417	452	473	487	492	490
Crystal Systems Texas*	I	Carrizo-Wilcox Aquifer | Smith County	163	177	185	191	192	192
Dean WSC	I	Carrizo-Wilcox Aquifer | Smith County	723	776	815	846	875	904
Emerald Bay MUD	I	Carrizo-Wilcox Aquifer | Smith County	254	267	276	287	287	287
Jackson WSC*	D	Carrizo-Wilcox Aquifer | Smith County	291	313	329	342	355	367
Liberty Utilities Silverleaf Water*	D	Carrizo-Wilcox Aquifer | Wood County	202	201	202	202	202	202
Lindale Rural WSC*	I	Carrizo-Wilcox Aquifer | Smith County	811	811	811	811	811	811
Lindale*	I	Carrizo-Wilcox Aquifer | Smith County	451	468	474	491	485	474
Overton*	I	Carrizo-Wilcox Aquifer | Rusk County	7	7	8	8	8	8
R P M WSC*	D	Carrizo-Wilcox Aquifer | Van Zandt County	16	15	15	14	14	14
R P M WSC*	D	Queen City Aquifer | Van Zandt County	15	14	14	13	14	14
Southern Utilities*	I	Carrizo-Wilcox Aquifer | Smith County	8,154	8,207	8,289	8,332	8,564	8,592
Southern Utilities*	I	Palestine Lake/Reservoir	216	231	243	251	260	269
Southern Utilities*	I	Tyler Lake/Reservoir	212	225	234	241	247	253
Troup	I	Carrizo-Wilcox Aquifer | Smith County	388	401	410	414	418	422
Tyler*	I	Bellwood Lake/Reservoir	0	0	0	0	0	0
Tyler*	I	Carrizo-Wilcox Aquifer | Smith County	0	0	0	0	0	0
Tyler*	I	Palestine Lake/Reservoir	17,549	19,679	22,125	23,504	24,971	26,528
Tyler*	I	Tyler Lake/Reservoir	17,169	19,117	21,342	22,512	23,745	25,045
Walnut Grove WSC	I	Carrizo-Wilcox Aquifer | Smith County	727	728	728	728	729	729
Walnut Grove WSC	I	Palestine Lake/Reservoir	750	752	756	759	761	765
Walnut Grove WSC	I	Tyler Lake/Reservoir	733	732	729	726	725	722
Whitehouse	I	Carrizo-Wilcox Aquifer | Smith County	1,005	1,012	1,021	1,014	1,007	1,001

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Whitehouse	I	Palestine Lake/Reservoir	377	379	380	382	383	384
Whitehouse	I	Tyler Lake/Reservoir	370	368	367	365	364	363
Wright City WSC	I	Carrizo-Wilcox Aquifer | Smith County	193	199	206	213	220	228
County-Other*	I	Carrizo-Wilcox Aquifer | Smith County	607	607	607	607	607	607
County-Other*	I	Palestine Lake/Reservoir	121	121	122	122	123	123
County-Other*	I	Queen City Aquifer | Smith County	19	19	19	19	19	19
County-Other*	I	Tyler Lake/Reservoir	118	118	117	117	116	116
Manufacturing*	I	Carrizo-Wilcox Aquifer | Smith County	888	687	616	508	257	236
Manufacturing*	I	Other Aquifer | Smith County	389	389	389	389	389	389
Manufacturing*	I	Palestine Lake/Reservoir	961	996	1,032	1,069	1,109	1,150
Manufacturing*	I	Queen City Aquifer | Smith County	100	100	100	100	100	100
Manufacturing*	I	Tyler Lake/Reservoir	841	870	899	930	959	992
Mining	D	Carrizo-Wilcox Aquifer | Smith County	0	0	0	0	0	0
Mining	I	Other Aquifer | Smith County	113	113	113	113	113	113
Livestock*	I	Local Surface Water Supply	313	313	313	313	313	313
Livestock*	I	Queen City Aquifer | Smith County	500	500	500	500	500	500
Irrigation*	I	Bellwood Lake/Reservoir	400	400	400	400	400	400
Irrigation*	I	Neches Run-of-River	45	45	45	45	45	45
Irrigation*	I	Palestine Lake/Reservoir	487	478	469	462	456	456
Irrigation*	D	Queen City Aquifer | Smith County	156	156	156	156	156	156
Trinity County WUG Total			**1,133**	**1,139**	**1,116**	**1,103**	**1,089**	**1,074**
Trinity County / Neches Basin WUG Total			**1,133**	**1,139**	**1,116**	**1,103**	**1,089**	**1,074**
Centerville WSC	I	Yegua-Jackson Aquifer | Trinity County	119	106	91	81	70	58
Groveton*	H	Livingston-Wallisville Lake/Reservoir System	282	283	282	283	284	283
Pennington WSC*	I	Yegua-Jackson Aquifer | Houston County	16	13	11	9	7	6

*A single asterisk next to a WUG's name denotes that the WUG is split by two or more planning regions.

DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Pennington WSC*	I	Yegua-Jackson Aquifer | Trinity County	16	13	10	9	7	6
County-Other*	H	Livingston-Wallisville Lake/Reservoir System	250	250	250	250	250	250
County-Other*	I	Other Aquifer | Trinity County	120	117	115	114	114	114
County-Other*	I	Yegua-Jackson Aquifer | Trinity County	0	0	0	0	0	0
Mining*	H	Yegua-Jackson Aquifer | Trinity County	9	9	9	9	9	9
Livestock*	I	Local Surface Water Supply	187	187	187	187	187	187
Livestock*	I	Yegua-Jackson Aquifer | Trinity County	71	98	98	98	98	98
Irrigation*	I	Neches Run-of-River	0	0	0	0	0	0
Irrigation*	I	Yegua-Jackson Aquifer | Trinity County	63	63	63	63	63	63
Tyler County WUG Total			**9,725**	**9,569**	**9,441**	**9,351**	**9,266**	**9,187**
Tyler County / Neches Basin WUG Total			**9,725**	**9,569**	**9,441**	**9,351**	**9,266**	**9,187**
Chester WSC	I	Gulf Coast Aquifer System | Tyler County	101	88	74	64	54	43
Colmesneil	I	Gulf Coast Aquifer System | Tyler County	163	156	151	147	143	140
Cypress Creek WSC	I	Gulf Coast Aquifer System | Tyler County	101	89	79	71	63	57
Moscow WSC*	I	Gulf Coast Aquifer System | Polk County	3	4	5	6	7	8
Moscow WSC*	I	Gulf Coast Aquifer System | Tyler County	0	0	0	0	0	0
Seneca WSC	I	Gulf Coast Aquifer System | Tyler County	123	116	110	106	102	98
Tyler County SUD	I	Gulf Coast Aquifer System | Tyler County	632	602	579	563	548	535
Warren WSC	I	Gulf Coast Aquifer System | Tyler County	273	272	272	272	272	272
Wildwood POA	I	Gulf Coast Aquifer System | Tyler County	76	69	63	58	53	48
Woodville	I	Gulf Coast Aquifer System | Tyler County	880	920	970	1,024	1,088	1,162

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DRAFT Region I Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Woodville	I	Sam Rayburn-Steinhagen Lake/Reservoir System	5,600	5,600	5,600	5,600	5,600	5,600
County-Other	I	Gulf Coast Aquifer System | Tyler County	790	670	555	457	353	241
Manufacturing	I	Gulf Coast Aquifer System | Tyler County	40	40	40	40	40	40
Mining	I	Gulf Coast Aquifer System | Tyler County	39	39	39	39	39	39
Mining	I	Local Surface Water Supply	3	3	3	3	3	3
Steam Electric Power	I	Gulf Coast Aquifer System | Tyler County	191	191	191	191	191	191
Livestock	I	Gulf Coast Aquifer System | Tyler County	85	85	85	85	85	85
Livestock	I	Local Surface Water Supply	183	183	183	183	183	183
Irrigation	I	Gulf Coast Aquifer System | Tyler County	354	354	354	354	354	354
Irrigation	I	Neches Run-of-River	88	88	88	88	88	88
Region I WUG Existing Water Supply Total			**1,007,568**	**1,023,447**	**1,066,876**	**1,109,045**	**1,152,875**	**1,198,151**

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DRAFT Region I Water User Group (WUG) Needs or Surplus

WUG supplies and projected demands are entered for each of a WUG's region-county-basin divisions. The needs shown in the WUG Needs/Surplus report are calculated by first deducting the WUG split's projected demand from its total existing water supply volume. If the WUG split has a greater existing supply volume than projected demand in any given decade, this amount is considered a surplus volume. Surplus volumes are shown as positive values, and needs are shown as negative values in parentheses.

			Water Supply Needs or Surplus (acre-feet per year)					
WUG Name	**County**	**Basin**	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Berryville	Anderson	Neches	0	0	0	0	0	0
Brushy Creek WSC*	Anderson	Neches	0	0	0	0	0	0
Frankston	Anderson	Neches	0	0	0	0	0	0
Frankston Rural WSC	Anderson	Neches	0	0	1	0	1	0
Neches WSC	Anderson	Neches	0	0	0	1	1	1
Norwood WSC	Anderson	Neches	0	0	0	0	0	0
Palestine	Anderson	Neches	490	500	537	573	608	645
Slocum WSC	Anderson	Neches	0	0	0	0	0	0
Walston Springs WSC	Anderson	Neches	0	0	0	0	0	0
County-Other	Anderson	Neches	354	363	369	380	392	405
Manufacturing	Anderson	Neches	0	0	0	0	0	0
Steam Electric Power	Anderson	Neches	(888)	(888)	(888)	(888)	(888)	(888)
Livestock	Anderson	Neches	256	256	256	256	256	256
Irrigation	Anderson	Neches	443	443	443	443	443	443
Anderson County Cedar Creek WSC	Anderson	Trinity	0	0	0	0	0	0
B B S WSC*	Anderson	Trinity	0	0	0	0	0	0
B C Y WSC	Anderson	Trinity	0	0	0	0	0	0
Brushy Creek WSC*	Anderson	Trinity	0	0	0	0	0	0
Elkhart	Anderson	Trinity	0	0	0	0	0	0
Four Pines WSC	Anderson	Trinity	0	0	0	0	0	0
Norwood WSC	Anderson	Trinity	0	0	0	0	0	0
Palestine	Anderson	Trinity	437	445	478	510	542	574
Pleasant Springs WSC	Anderson	Trinity	103	103	106	108	110	113
Slocum WSC	Anderson	Trinity	0	0	0	0	0	0
TDCJ Beto Gurney & Powledge Units	Anderson	Trinity	1	0	0	0	0	0
TDCJ Coffield Michael	Anderson	Trinity	(353)	(269)	(251)	(259)	(261)	(261)
The Consolidated WSC	Anderson	Trinity	0	47	103	133	158	183

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DRAFT Region I Water User Group (WUG) Needs or Surplus

			Water Supply Needs or Surplus (acre-feet per year)					
WUG Name	**County**	**Basin**	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Tucker WSC	Anderson	Trinity	0	1	1	0	0	0
Walston Springs WSC	Anderson	Trinity	0	0	0	0	0	0
County-Other	Anderson	Trinity	704	722	735	756	781	807
Mining	Anderson	Trinity	0	0	0	0	0	0
Steam Electric Power	Anderson	Trinity	(1,408)	(1,408)	(1,408)	(1,408)	(1,408)	(1,408)
Livestock	Anderson	Trinity	66	66	66	66	66	66
Irrigation	Anderson	Trinity	913	913	913	913	913	913
Angelina WSC	Angelina	Neches	0	0	0	0	0	0
Central WCID of Angelina County	Angelina	Neches	0	0	0	0	0	0
Diboll	Angelina	Neches	1,643	1,633	1,626	1,619	1,612	1,605
Four Way SUD	Angelina	Neches	0	0	0	0	0	0
Hudson WSC	Angelina	Neches	0	0	0	0	0	0
Huntington	Angelina	Neches	448	448	448	448	448	448
Lufkin	Angelina	Neches	28,000	0	0	0	0	0
M & M WSC	Angelina	Neches	0	0	0	0	0	0
Pollok-Redtown WSC	Angelina	Neches	0	0	0	0	0	0
Redland WSC	Angelina	Neches	307	307	307	307	307	307
Upper Jasper County Water Authority	Angelina	Neches	0	0	0	0	0	0
Woodlawn WSC	Angelina	Neches	0	0	0	0	0	0
Zavalla	Angelina	Neches	0	0	0	0	0	0
County-Other	Angelina	Neches	0	0	1	0	0	0
Manufacturing	Angelina	Neches	(2,301)	(2,469)	(2,660)	(2,861)	(3,067)	(3,283)
Mining	Angelina	Neches	(780)	(819)	(855)	(887)	(915)	(940)
Livestock	Angelina	Neches	344	344	344	344	344	344
Irrigation	Angelina	Neches	331	331	331	331	331	331
Afton Grove WSC	Cherokee	Neches	0	0	0	0	0	0
Alto	Cherokee	Neches	0	0	0	0	0	0
Alto Rural WSC	Cherokee	Neches	(124)	(209)	(306)	(414)	(533)	(665)
Blackjack WSC	Cherokee	Neches	0	0	0	0	0	0
Bullard	Cherokee	Neches	75	89	100	110	120	130
Craft Turney WSC	Cherokee	Neches	0	0	0	0	0	0
Gum Creek WSC	Cherokee	Neches	0	0	0	0	0	0
Jacksonville	Cherokee	Neches	0	0	0	0	0	0

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DRAFT Region I Water User Group (WUG) Needs or Surplus

			Water Supply Needs or Surplus (acre-feet per year)					
WUG Name	**County**	**Basin**	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
New Summerfield	Cherokee	Neches	0	0	0	0	0	0
North Cherokee WSC	Cherokee	Neches	0	0	0	0	0	0
Pollok-Redtown WSC	Cherokee	Neches	0	0	0	0	0	0
Rusk	Cherokee	Neches	0	0	0	0	0	0
Rusk Rural WSC	Cherokee	Neches	0	0	0	0	0	0
South Rusk County WSC	Cherokee	Neches	0	0	0	0	0	0
Southern Utilities*	Cherokee	Neches	49	5	(65)	(35)	(38)	(52)
Troup	Cherokee	Neches	0	0	0	0	0	0
Walnut Grove WSC	Cherokee	Neches	8	6	6	6	4	3
Wells	Cherokee	Neches	0	0	0	0	0	0
West Jacksonville WSC	Cherokee	Neches	0	0	0	0	0	0
Wright City WSC	Cherokee	Neches	0	0	0	0	0	0
County-Other	Cherokee	Neches	0	0	0	1	0	0
Manufacturing	Cherokee	Neches	0	0	0	0	0	0
Mining	Cherokee	Neches	0	0	0	0	0	0
Steam Electric Power	Cherokee	Neches	121	164	211	263	320	383
Livestock	Cherokee	Neches	0	0	0	0	0	0
Irrigation	Cherokee	Neches	0	0	0	(4)	(7)	(7)
Hardin County WCID 1	Hardin	Neches	0	0	0	0	0	0
Kountze	Hardin	Neches	0	0	0	0	0	0
Lumberton MUD	Hardin	Neches	0	0	0	0	0	0
North Hardin WSC	Hardin	Neches	0	0	0	0	0	0
Silsbee	Hardin	Neches	0	0	0	0	0	0
Sour Lake	Hardin	Neches	0	0	0	0	0	0
West Hardin WSC*	Hardin	Neches	0	0	0	0	0	0
Wildwood POA	Hardin	Neches	0	0	0	0	0	0
County-Other	Hardin	Neches	1,012	1,113	1,228	1,377	1,528	1,683
Manufacturing	Hardin	Neches	179	177	175	172	169	166
Mining	Hardin	Neches	0	0	0	0	0	0
Steam Electric Power	Hardin	Neches	0	0	0	0	0	0
Livestock	Hardin	Neches	45	45	45	45	45	45
Irrigation	Hardin	Neches	0	0	0	0	0	0

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DRAFT Region I Water User Group (WUG) Needs or Surplus

			Water Supply Needs or Surplus (acre-feet per year)					
WUG Name	**County**	**Basin**	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Lake Livingston WSC*	Hardin	Trinity	0	0	0	0	0	0
County-Other	Hardin	Trinity	11	11	12	12	13	14
Livestock	Hardin	Trinity	(1)	(1)	(1)	(1)	(1)	(1)
Athens*	Henderson	Neches	8	(1)	(5)	(10)	(20)	(23)
Berryville	Henderson	Neches	0	0	0	0	0	0
Bethel Ash WSC*	Henderson	Neches	0	0	0	0	0	0
Brownsboro	Henderson	Neches	0	0	0	0	(1)	0
Brushy Creek WSC*	Henderson	Neches	0	0	0	0	0	0
Chandler	Henderson	Neches	0	0	(43)	(281)	(573)	(934)
Edom WSC*	Henderson	Neches	(15)	(18)	(17)	(17)	(19)	(19)
Frankston	Henderson	Neches	0	0	0	0	0	0
Leagueville WSC	Henderson	Neches	0	0	0	0	0	0
Moore Station WSC	Henderson	Neches	0	0	0	0	0	0
Murchison	Henderson	Neches	0	0	0	0	0	0
R P M WSC*	Henderson	Neches	11	3	5	4	2	1
Virginia Hill WSC*	Henderson	Neches	0	0	0	0	0	0
County-Other*	Henderson	Neches	535	543	581	669	786	941
Mining*	Henderson	Neches	0	0	(73)	(102)	(135)	(176)
Steam Electric Power*	Henderson	Neches	(2,061)	(2,061)	(2,061)	(2,061)	(2,061)	(2,061)
Livestock*	Henderson	Neches	1,401	979	357	8	(308)	(493)
Irrigation*	Henderson	Neches	479	444	406	388	369	361
Grapeland	Houston	Neches	3	2	3	2	1	2
Pennington WSC*	Houston	Neches	0	0	0	0	0	0
The Consolidated WSC	Houston	Neches	0	0	0	0	0	0
County-Other	Houston	Neches	193	192	137	84	40	0
Manufacturing	Houston	Neches	2	2	2	2	2	2
Livestock	Houston	Neches	71	32	(11)	(57)	(117)	(117)
Irrigation	Houston	Neches	111	111	111	111	111	111
Crockett	Houston	Trinity	210	210	210	210	210	210
Grapeland	Houston	Trinity	2	2	2	3	3	3
Lovelady	Houston	Trinity	133	133	133	133	133	133
Pennington WSC*	Houston	Trinity	0	0	0	1	0	0
TDCJ Eastham Unit	Houston	Trinity	(113)	(111)	(111)	(111)	(111)	(111)
The Consolidated WSC	Houston	Trinity	0	47	103	133	158	183
County-Other	Houston	Trinity	15	16	11	7	3	0

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DRAFT Region I Water User Group (WUG) Needs or Surplus

			Water Supply Needs or Surplus (acre-feet per year)					
WUG Name	**County**	**Basin**	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Manufacturing	Houston	Trinity	2	2	2	2	2	2
Mining	Houston	Trinity	(57)	(57)	(57)	(57)	(57)	(57)
Livestock	Houston	Trinity	188	78	(42)	(172)	(338)	(338)
Irrigation	Houston	Trinity	421	421	421	421	421	421
Brookeland FWSD	Jasper	Neches	0	0	0	0	0	0
Jasper	Jasper	Neches	0	0	0	0	0	0
Rayburn Country MUD	Jasper	Neches	0	0	0	0	0	0
Rural WSC	Jasper	Neches	0	0	0	0	0	0
South Jasper County WSC	Jasper	Neches	0	0	0	0	0	0
Upper Jasper County Water Authority	Jasper	Neches	0	0	0	0	0	0
County-Other	Jasper	Neches	68	73	73	73	(257)	73
Manufacturing	Jasper	Neches	(8)	(8)	12	(8)	(8)	(8)
Mining	Jasper	Neches	0	0	0	0	0	0
Livestock	Jasper	Neches	(5,623)	(5,623)	(5,623)	(5,623)	(5,623)	(5,623)
Irrigation	Jasper	Neches	(46)	(46)	(46)	(46)	(46)	(46)
Jasper	Jasper	Sabine	0	0	0	0	0	0
Jasper County WCID 1	Jasper	Sabine	(4)	(14)	(19)	(21)	(27)	(37)
Kirbyville	Jasper	Sabine	0	0	0	0	0	0
Mauriceville SUD	Jasper	Sabine	0	0	0	0	0	0
South Jasper County WSC	Jasper	Sabine	0	0	0	0	0	0
South Kirbyville Rural WSC	Jasper	Sabine	(11)	(10)	(9)	(8)	(7)	(6)
Upper Jasper County Water Authority	Jasper	Sabine	0	0	0	0	0	0
County-Other	Jasper	Sabine	0	0	0	0	0	0
Livestock	Jasper	Sabine	(4,363)	(4,363)	(4,363)	(4,363)	(4,363)	(4,363)
Irrigation	Jasper	Sabine	(27)	(27)	(27)	(27)	(27)	(27)
Beaumont	Jefferson	Neches	0	0	0	0	0	0
Bevil Oaks	Jefferson	Neches	0	0	0	0	0	0
China	Jefferson	Neches	0	0	0	0	0	0
Groves	Jefferson	Neches	0	0	0	0	0	0
Jefferson County WCID 10	Jefferson	Neches	0	0	0	0	0	0

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DRAFT Region I Water User Group (WUG) Needs or Surplus

			Water Supply Needs or Surplus (acre-feet per year)					
WUG Name	**County**	**Basin**	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Meeker MWD	Jefferson	Neches	0	0	0	0	0	0
Nederland	Jefferson	Neches	0	0	0	0	0	0
Nome	Jefferson	Neches	0	0	0	0	0	0
Port Neches	Jefferson	Neches	0	0	0	0	0	0
County-Other	Jefferson	Neches	186	203	235	240	245	250
Manufacturing	Jefferson	Neches	0	0	0	0	0	0
Livestock	Jefferson	Neches	53	53	53	53	53	53
Irrigation	Jefferson	Neches	8,160	8,160	8,160	8,160	8,160	8,160
Beaumont	Jefferson	Neches-Trinity	0	0	0	0	0	0
China	Jefferson	Neches-Trinity	0	0	0	0	0	0
Federal Correctional Complex Beaumont	Jefferson	Neches-Trinity	0	0	0	0	0	0
Groves	Jefferson	Neches-Trinity	0	0	0	0	0	0
Jefferson County WCID 10	Jefferson	Neches-Trinity	0	0	0	0	0	0
Meeker MWD	Jefferson	Neches-Trinity	0	0	0	0	0	0
Nederland	Jefferson	Neches-Trinity	0	0	0	0	0	0
Nome	Jefferson	Neches-Trinity	0	0	0	0	0	0
Port Arthur	Jefferson	Neches-Trinity	0	0	0	0	0	0
Port Neches	Jefferson	Neches-Trinity	0	0	0	0	0	0
Trinity Bay Conservation District*	Jefferson	Neches-Trinity	9	6	3	1	(1)	(3)
West Jefferson County MWD	Jefferson	Neches-Trinity	0	0	0	0	0	0
County-Other	Jefferson	Neches-Trinity	860	1,166	1,768	1,862	1,954	2,049
Manufacturing	Jefferson	Neches-Trinity	0	0	0	0	0	0
Mining	Jefferson	Neches-Trinity	(117)	(135)	(155)	(177)	(202)	(229)
Livestock	Jefferson	Neches-Trinity	587	587	587	587	587	587

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DRAFT Region I Water User Group (WUG) Needs or Surplus

			Water Supply Needs or Surplus (acre-feet per year)					
WUG Name	**County**	**Basin**	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Irrigation	Jefferson	Neches-Trinity	108,400	108,400	108,400	108,400	108,400	108,400
Appleby WSC	Nacogdoches	Neches	90	89	90	89	90	89
Caro WSC	Nacogdoches	Neches	0	0	0	0	0	0
Cushing	Nacogdoches	Neches	0	0	0	0	0	0
D & M WSC	Nacogdoches	Neches	(796)	(826)	(858)	(911)	(963)	(1,014)
Etoile WSC	Nacogdoches	Neches	0	0	0	0	0	0
Garrison	Nacogdoches	Neches	0	0	0	0	0	0
Lilly Grove SUD	Nacogdoches	Neches	0	0	0	0	0	0
Melrose WSC	Nacogdoches	Neches	37	37	37	37	37	33
Nacogdoches	Nacogdoches	Neches	0	0	0	0	0	0
Swift WSC	Nacogdoches	Neches	0	0	0	0	0	0
Woden WSC	Nacogdoches	Neches	0	0	0	0	0	0
County-Other	Nacogdoches	Neches	3	3	2	2	2	1
Manufacturing	Nacogdoches	Neches	10,000	10,000	10,000	10,000	10,000	10,000
Mining	Nacogdoches	Neches	84	84	84	84	84	84
Steam Electric Power	Nacogdoches	Neches	1,094	1,243	1,407	1,588	1,787	2,006
Livestock	Nacogdoches	Neches	7,683	7,554	7,404	7,234	6,979	6,979
Irrigation	Nacogdoches	Neches	79	79	79	79	79	79
Bon Wier WSC	Newton	Sabine	0	0	0	0	0	0
Brookeland FWSD	Newton	Sabine	0	0	0	0	0	0
Mauriceville SUD	Newton	Sabine	0	0	0	0	0	0
Newton	Newton	Sabine	0	0	0	0	0	0
South Kirbyville Rural WSC	Newton	Sabine	(1)	(1)	(1)	(1)	0	0
South Newton WSC	Newton	Sabine	0	0	0	0	0	0
County-Other	Newton	Sabine	0	0	0	0	0	0
Manufacturing	Newton	Sabine	0	0	0	0	0	0
Mining	Newton	Sabine	171	171	171	171	171	171
Steam Electric Power	Newton	Sabine	12,795	12,795	12,795	12,795	12,795	12,795
Livestock	Newton	Sabine	148	148	148	148	148	148
Irrigation	Newton	Sabine	337	337	337	337	337	337
Bridge City	Orange	Neches	0	0	0	0	0	0
Kelly G Brewer	Orange	Neches	0	0	0	0	0	0
Mauriceville SUD	Orange	Neches	0	0	0	0	0	0
Orange County WCID 1	Orange	Neches	0	0	0	0	0	0

*A single asterisk next to a WUG's name denotes that the WUG is split by two or more planning regions.

DRAFT Region I Water User Group (WUG) Needs or Surplus

			Water Supply Needs or Surplus (acre-feet per year)					
WUG Name	**County**	**Basin**	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Orangefield WSC	Orange	Neches	0	0	0	0	0	0
County-Other	Orange	Neches	1,476	1,540	1,617	1,722	1,830	1,946
Manufacturing	Orange	Neches	188	112	34	(1)	0	(1)
Mining	Orange	Neches	251	251	251	251	251	251
Steam Electric Power	Orange	Neches	826	657	524	539	548	539
Livestock	Orange	Neches	44	44	44	44	44	44
Bridge City	Orange	Neches-Trinity	0	(1)	0	0	0	0
County-Other	Orange	Neches-Trinity	0	0	0	0	0	0
Livestock	Orange	Neches-Trinity	2	2	2	2	2	2
Bridge City	Orange	Sabine	0	0	0	0	0	0
Kelly G Brewer	Orange	Sabine	0	0	0	0	0	0
Mauriceville SUD	Orange	Sabine	0	0	0	0	0	0
Orange	Orange	Sabine	0	0	0	0	0	0
Orange County WCID 1	Orange	Sabine	0	0	0	0	0	0
Orange County WCID 2	Orange	Sabine	0	0	0	0	0	0
Orangefield WSC	Orange	Sabine	0	0	0	0	0	0
Pinehurst	Orange	Sabine	0	0	0	0	0	0
South Newton WSC	Orange	Sabine	0	0	0	0	0	0
County-Other	Orange	Sabine	2,065	2,134	2,215	2,327	2,443	2,568
Manufacturing	Orange	Sabine	9,357	5,591	1,686	1	0	1
Livestock	Orange	Sabine	116	116	116	116	116	116
Irrigation	Orange	Sabine	621	621	621	621	621	621
Panola-Bethany WSC*	Panola	Cypress	0	0	0	0	0	0
County-Other	Panola	Cypress	0	0	0	0	0	0
Beckville	Panola	Sabine	0	0	0	0	0	0
Carthage	Panola	Sabine	0	0	0	0	0	0
Clayton WSC	Panola	Sabine	0	0	0	100	0	0
Deberry WSC	Panola	Sabine	0	0	0	0	0	0
Elysian Fields WSC*	Panola	Sabine	(5)	(6)	(6)	(6)	(6)	(6)
Gill WSC*	Panola	Sabine	68	75	82	88	93	98
Hollands Quarter WSC	Panola	Sabine	0	0	0	(1)	0	0

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DRAFT Region I Water User Group (WUG) Needs or Surplus

			Water Supply Needs or Surplus (acre-feet per year)					
WUG Name	**County**	**Basin**	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Minden Brachfield WSC	Panola	Sabine	0	0	0	0	0	0
Panola-Bethany WSC*	Panola	Sabine	0	0	0	0	0	0
Rehobeth WSC	Panola	Sabine	0	0	0	0	0	0
Tatum	Panola	Sabine	0	0	0	0	0	0
County-Other	Panola	Sabine	0	0	0	0	0	0
Manufacturing	Panola	Sabine	0	0	0	0	0	0
Mining	Panola	Sabine	4,201	4,270	4,318	4,362	4,382	4,418
Livestock	Panola	Sabine	2,049	2,074	2,099	2,120	2,140	2,158
Irrigation	Panola	Sabine	0	0	0	0	0	0
Chester WSC	Polk	Neches	0	0	0	0	0	0
Corrigan	Polk	Neches	0	0	0	0	0	0
Damascus-Stryker WSC	Polk	Neches	0	0	0	0	0	0
Lake Livingston WSC*	Polk	Neches	0	0	0	0	0	0
Leggett WSC*	Polk	Neches	0	0	0	0	0	0
Moscow WSC*	Polk	Neches	0	0	0	0	0	0
Soda WSC*	Polk	Neches	0	0	0	0	0	0
County-Other*	Polk	Neches	337	361	388	413	436	453
Manufacturing*	Polk	Neches	9	9	9	9	9	9
Mining*	Polk	Neches	78	57	56	55	54	54
Livestock*	Polk	Neches	45	45	45	45	45	45
Irrigation*	Polk	Neches	83	83	83	83	83	83
Ebenezer WSC	Rusk	Neches	0	0	0	0	0	0
Garrison	Rusk	Neches	0	0	0	0	0	0
Gaston WSC	Rusk	Neches	0	0	0	0	0	0
Goodsprings WSC	Rusk	Neches	0	0	0	0	0	0
Henderson	Rusk	Neches	2,633	2,635	2,625	2,604	2,573	2,535
Jacobs WSC	Rusk	Neches	0	0	0	0	0	0
Minden Brachfield WSC	Rusk	Neches	0	0	0	0	0	0
Mt Enterprise WSC	Rusk	Neches	0	0	0	0	0	0
New London	Rusk	Neches	0	0	0	0	0	0
Overton*	Rusk	Neches	0	0	0	0	(2)	0
South Rusk County WSC	Rusk	Neches	0	0	0	0	0	0
Wright City WSC	Rusk	Neches	0	0	0	0	0	0

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DRAFT Region I Water User Group (WUG) Needs or Surplus

			Water Supply Needs or Surplus (acre-feet per year)					
WUG Name	**County**	**Basin**	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
County-Other	Rusk	Neches	369	419	492	580	674	774
Manufacturing	Rusk	Neches	219	218	217	216	215	214
Mining	Rusk	Neches	879	879	879	879	879	879
Livestock	Rusk	Neches	391	374	357	339	339	339
Irrigation	Rusk	Neches	155	155	155	155	155	155
Chalk Hill SUD*	Rusk	Sabine	0	0	0	0	0	0
Cross Roads SUD*	Rusk	Sabine	248	273	288	310	337	366
Crystal Farms WSC	Rusk	Sabine	0	0	0	0	0	0
Elderville WSC*	Rusk	Sabine	100	104	110	116	121	143
Henderson	Rusk	Sabine	863	865	862	855	847	834
Jacobs WSC	Rusk	Sabine	0	0	0	0	0	0
Kilgore*	Rusk	Sabine	(304)	85	201	334	472	612
Minden Brachfield WSC	Rusk	Sabine	0	0	0	0	0	0
New London	Rusk	Sabine	0	0	0	0	0	0
New Prospect WSC	Rusk	Sabine	0	0	0	0	0	0
Overton*	Rusk	Sabine	0	0	0	0	0	0
Southern Utilities*	Rusk	Sabine	0	0	0	0	0	0
Tatum	Rusk	Sabine	0	0	0	0	0	0
West Gregg SUD*	Rusk	Sabine	13	11	9	5	1	(3)
County-Other	Rusk	Sabine	216	266	339	428	522	624
Mining	Rusk	Sabine	2,431	2,440	2,449	2,458	2,458	2,443
Steam Electric Power	Rusk	Sabine	24,795	24,795	24,795	24,795	24,795	24,795
Livestock	Rusk	Sabine	286	279	272	265	265	265
Irrigation	Rusk	Sabine	202	202	202	202	202	202
Brookeland FWSD	Sabine	Neches	0	0	0	0	0	0
G M WSC	Sabine	Neches	65	77	87	93	99	106
Pineland	Sabine	Neches	0	0	0	0	0	0
Manufacturing	Sabine	Neches	114	97	80	62	43	24
Livestock	Sabine	Neches	39	42	27	11	11	12
Brookeland FWSD	Sabine	Sabine	0	0	0	0	0	0
G M WSC	Sabine	Sabine	245	287	325	349	374	397
Hemphill	Sabine	Sabine	5	44	79	99	119	138
New WSC	Sabine	Sabine	0	0	0	0	0	0
County-Other	Sabine	Sabine	19	22	27	28	31	32
Mining	Sabine	Sabine	131	131	131	131	131	131
Livestock	Sabine	Sabine	122	103	3	(108)	(108)	(108)

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DRAFT Region I Water User Group (WUG) Needs or Surplus

			Water Supply Needs or Surplus (acre-feet per year)					
WUG Name	County	Basin	2030	2040	2050	2060	2070	2080
Choice WSC	San Augustine	Neches	0	0	0	0	0	0
Denning WSC	San Augustine	Neches	0	0	0	0	0	0
New WSC	San Augustine	Neches	0	0	0	0	0	0
San Augustine	San Augustine	Neches	0	26	45	38	29	20
San Augustine Rural WSC	San Augustine	Neches	0	(25)	(43)	(36)	(27)	(19)
Sand Hills WSC	San Augustine	Neches	0	0	0	0	0	0
County-Other	San Augustine	Neches	418	466	504	534	564	584
Manufacturing	San Augustine	Neches	4	4	4	4	4	4
Mining	San Augustine	Neches	0	0	0	0	0	0
Livestock	San Augustine	Neches	903	881	836	785	797	805
Irrigation	San Augustine	Neches	2	2	2	2	2	3
G M WSC	San Augustine	Sabine	10	11	14	15	16	17
San Augustine Rural WSC	San Augustine	Sabine	0	(1)	(2)	(2)	(2)	(1)
County-Other	San Augustine	Sabine	60	67	72	75	78	82
Livestock	San Augustine	Sabine	212	205	197	189	189	189
Irrigation	San Augustine	Sabine	0	0	0	0	0	0
Choice WSC	Shelby	Neches	0	0	0	0	0	0
Sand Hills WSC	Shelby	Neches	156	157	157	157	156	156
Timpson	Shelby	Neches	4	5	5	6	7	7
County-Other	Shelby	Neches	1,038	1,037	1,021	1,002	978	947
Mining	Shelby	Neches	2	2	2	2	2	2
Livestock	Shelby	Neches	1,848	1,714	1,551	1,353	1,353	1,353
Irrigation	Shelby	Neches	0	0	0	0	0	0
Center	Shelby	Sabine	0	36	88	140	191	241
Choice WSC	Shelby	Sabine	0	0	0	0	0	0
East Lamar WSC	Shelby	Sabine	0	0	0	0	0	0
Five Way WSC	Shelby	Sabine	0	0	0	0	0	0
Flat Fork WSC	Shelby	Sabine	0	0	0	0	0	0
Huxley	Shelby	Sabine	280	280	280	280	280	280
Joaquin	Shelby	Sabine	0	0	0	0	0	0
McClelland WSC	Shelby	Sabine	0	0	0	0	0	0
New WSC	Shelby	Sabine	0	0	0	0	0	0
Sand Hills WSC	Shelby	Sabine	134	133	133	133	134	134
Tenaha	Shelby	Sabine	0	0	0	0	0	0
Timpson	Shelby	Sabine	3	2	2	2	1	1
County-Other	Shelby	Sabine	(76)	(80)	(87)	(96)	(106)	(116)

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DRAFT Region I Water User Group (WUG) Needs or Surplus

			Water Supply Needs or Surplus (acre-feet per year)					
WUG Name	**County**	**Basin**	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Manufacturing	Shelby	Sabine	(919)	(1,012)	(1,131)	(1,226)	(1,317)	(1,403)
Mining	Shelby	Sabine	2,364	2,364	2,364	2,364	2,364	2,364
Livestock	Shelby	Sabine	6,833	6,363	5,841	5,149	5,231	5,316
Irrigation	Shelby	Sabine	0	0	0	0	0	0
Arp	Smith	Neches	0	0	0	0	0	0
Ben Wheeler WSC*	Smith	Neches	(1)	1	0	(1)	(2)	(2)
Bullard	Smith	Neches	998	1,096	1,085	1,075	1,065	1,055
Carroll WSC*	Smith	Neches	14	16	20	28	37	33
Crystal Systems Texas*	Smith	Neches	445	471	484	489	480	464
Dean WSC	Smith	Neches	0	0	0	0	0	0
Emerald Bay MUD	Smith	Neches	0	0	0	0	0	0
Jackson WSC*	Smith	Neches	0	0	0	0	0	0
Liberty Utilities Silverleaf Water*	Smith	Neches	29	(5)	(27)	(48)	(69)	(90)
Lindale Rural WSC*	Smith	Neches	414	385	364	348	332	316
Lindale*	Smith	Neches	69	75	71	85	75	60
Overton*	Smith	Neches	0	0	0	0	0	0
R P M WSC*	Smith	Neches	20	20	21	20	22	23
Southern Utilities*	Smith	Neches	746	252	(69)	(337)	(410)	(681)
Troup	Smith	Neches	0	0	0	0	0	0
Tyler*	Smith	Neches	0	0	0	0	0	0
Walnut Grove WSC	Smith	Neches	957	876	814	767	722	678
Whitehouse	Smith	Neches	747	747	747	747	747	747
Wright City WSC	Smith	Neches	0	0	0	0	0	0
County-Other*	Smith	Neches	(273)	(143)	(33)	64	151	229
Manufacturing*	Smith	Neches	322	79	(36)	(190)	(490)	(559)
Mining	Smith	Neches	(314)	(333)	(353)	(374)	(397)	(421)
Livestock*	Smith	Neches	313	313	313	313	313	313
Irrigation*	Smith	Neches	640	631	622	615	609	609
Centerville WSC	Trinity	Neches	0	0	0	0	0	0
Groveton*	Trinity	Neches	236	242	248	253	259	263
Pennington WSC*	Trinity	Neches	1	1	0	1	0	0
County-Other*	Trinity	Neches	250	250	250	250	250	250
Mining*	Trinity	Neches	0	0	0	0	0	0
Livestock*	Trinity	Neches	71	98	98	98	98	98
Irrigation*	Trinity	Neches	(215)	(215)	(215)	(215)	(215)	(215)
Chester WSC	Tyler	Neches	0	0	0	0	0	0

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DRAFT Region I Water User Group (WUG) Needs or Surplus

			Water Supply Needs or Surplus (acre-feet per year)					
WUG Name	**County**	**Basin**	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Colmesneil	Tyler	Neches	0	0	0	0	0	0
Cypress Creek WSC	Tyler	Neches	0	0	0	0	0	0
Moscow WSC*	Tyler	Neches	0	0	0	0	0	0
Seneca WSC	Tyler	Neches	0	0	0	0	0	0
Tyler County SUD	Tyler	Neches	0	0	0	0	0	0
Warren WSC	Tyler	Neches	0	0	0	0	0	0
Wildwood POA	Tyler	Neches	0	0	0	0	0	0
Woodville	Tyler	Neches	5,600	5,600	5,600	5,600	5,600	5,600
County-Other	Tyler	Neches	0	0	0	0	0	0
Manufacturing	Tyler	Neches	(78)	(82)	(87)	(92)	(97)	(102)
Mining	Tyler	Neches	0	0	0	0	0	0
Steam Electric Power	Tyler	Neches	188	188	188	188	188	188
Livestock	Tyler	Neches	0	0	0	0	0	0
Irrigation	Tyler	Neches	88	88	88	88	88	88

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DRAFT Region I 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Anderson County| Municipal WUG Type						
Existing WUG supply total	14,107	17,174	21.7%	13,947	17,500	25.5%
Projected demand total	13,359	15,438	15.6%	13,169	15,168	15.2%
Water supply needs total**	0	353	100.0%	0	261	100.0%
Anderson County| Manufacturing WUG Type						
Existing WUG supply total	0	1,686	100.0%	0	1,950	100.0%
Projected demand total	0	1,686	100.0%	0	1,950	100.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Anderson County| Mining WUG Type						
Existing WUG supply total	210	34	-83.8%	164	34	-79.3%
Projected demand total	177	34	-80.8%	75	34	-54.7%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Anderson County| Steam Electric Power WUG Type						
Existing WUG supply total	1,408	0	-100.0%	1,408	0	-100.0%
Projected demand total	1,408	2,296	63.1%	1,408	2,296	63.1%
Water supply needs total**	0	2,296	100.0%	0	2,296	100.0%
Anderson County| Livestock WUG Type						
Existing WUG supply total	1,488	1,643	10.4%	1,488	1,643	10.4%
Projected demand total	1,026	1,321	28.8%	1,026	1,321	28.8%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Anderson County| Irrigation WUG Type						
Existing WUG supply total	2,113	2,261	7.0%	2,113	2,261	7.0%
Projected demand total	657	905	37.7%	657	905	37.7%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Angelina County| Municipal WUG Type						
Existing WUG supply total	17,798	41,916	135.5%	19,143	14,354	-25.0%

*The 2030 and 2070 planning decades are used in this comparison because they represent the earliest and latest planning decades in both the 2021 and 2026 RWPs

**WUG supplies and projected demands are entered for each of a WUG's region-county-basin divisions. The needs shown in the WUG Data Comparison to 2021 RWP report are calculated by first deducting the WUG split's projected demand from its total existing water supply volume. If the WUG split has a greater existing supply volume than projected demand in any given decade, this amount is considered a surplus volume. Before aggregating the difference between supplies and demands to the WUG county and category level, calculated surpluses are updated to zero so that only the WUGs with needs in the decade are included with the water supply needs totals.

DRAFT Region I 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Projected demand total	12,100	11,518	-4.8%	13,923	11,987	-13.9%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Angelina County| Manufacturing WUG Type						
Existing WUG supply total	2,253	3,311	47.0%	2,253	3,422	51.9%
Projected demand total	3,878	5,612	44.7%	3,878	6,489	67.3%
Water supply needs total**	1,625	2,301	41.6%	1,625	3,067	88.7%
Angelina County| Mining WUG Type						
Existing WUG supply total	13	0	-100.0%	13	0	-100.0%
Projected demand total	585	780	33.3%	180	915	408.3%
Water supply needs total**	572	780	36.4%	167	915	447.9%
Angelina County| Steam Electric Power WUG Type						
Existing WUG supply total	16,802	0	-100.0%	16,802	0	-100.0%
Projected demand total	3,520	0	-100.0%	3,520	0	-100.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Angelina County| Livestock WUG Type						
Existing WUG supply total	1,028	1,028	0.0%	1,028	1,028	0.0%
Projected demand total	1,028	684	-33.5%	1,028	684	-33.5%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Angelina County| Irrigation WUG Type						
Existing WUG supply total	1,110	1,110	0.0%	1,110	1,110	0.0%
Projected demand total	779	779	0.0%	779	779	0.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Cherokee County| Municipal WUG Type						
Existing WUG supply total	10,378	8,181	-21.2%	12,721	7,465	-41.3%
Projected demand total	8,856	8,173	-7.7%	12,095	7,912	-34.6%
Water supply needs total**	0	124	100.0%	436	571	31.0%

*The 2030 and 2070 planning decades are used in this comparison because they represent the earliest and latest planning decades in both the 2021 and 2026 RWPs

**WUG supplies and projected demands are entered for each of a WUG's region-county-basin divisions. The needs shown in the WUG Data Comparison to 2021 RWP report are calculated by first deducting the WUG split's projected demand from its total existing water supply volume. If the WUG split has a greater existing supply volume than projected demand in any given decade, this amount is considered a surplus volume. Before aggregating the difference between supplies and demands to the WUG county and category level, calculated surpluses are updated to zero so that only the WUGs with needs in the decade are included with the water supply needs totals.

DRAFT Region I 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Cherokee County| Manufacturing WUG Type						
Existing WUG supply total	140	82	-41.4%	140	94	-32.9%
Projected demand total	129	82	-36.4%	129	94	-27.1%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Cherokee County| Mining WUG Type						
Existing WUG supply total	57	187	228.1%	57	187	228.1%
Projected demand total	304	187	-38.5%	97	187	92.8%
Water supply needs total**	247	0	-100.0%	40	0	-100.0%
Cherokee County| Steam Electric Power WUG Type						
Existing WUG supply total	5,000	431	-91.4%	5,000	630	-87.4%
Projected demand total	3,211	310	-90.3%	3,211	310	-90.3%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Cherokee County| Livestock WUG Type						
Existing WUG supply total	1,883	1,231	-34.6%	1,883	1,231	-34.6%
Projected demand total	1,874	1,231	-34.3%	1,874	1,231	-34.3%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Cherokee County| Irrigation WUG Type						
Existing WUG supply total	507	451	-11.0%	496	444	-10.5%
Projected demand total	451	451	0.0%	451	451	0.0%
Water supply needs total**	0	0	0.0%	0	7	100.0%
Hardin County| Municipal WUG Type						
Existing WUG supply total	6,954	8,177	17.6%	7,441	9,588	28.9%
Projected demand total	6,065	7,154	18.0%	6,572	8,047	22.4%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Hardin County| Manufacturing WUG Type						
Existing WUG supply total	51	243	376.5%	51	243	376.5%

*The 2030 and 2070 planning decades are used in this comparison because they represent the earliest and latest planning decades in both the 2021 and 2026 RWPs

**WUG supplies and projected demands are entered for each of a WUG's region-county-basin divisions. The needs shown in the WUG Data Comparison to 2021 RWP report are calculated by first deducting the WUG split's projected demand from its total existing water supply volume. If the WUG split has a greater existing supply volume than projected demand in any given decade, this amount is considered a surplus volume. Before aggregating the difference between supplies and demands to the WUG county and category level, calculated surpluses are updated to zero so that only the WUGs with needs in the decade are included with the water supply needs totals.

DRAFT Region I 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Projected demand total	45	64	42.2%	45	74	64.4%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Hardin County| Mining WUG Type						
Existing WUG supply total	12	13	8.3%	12	13	8.3%
Projected demand total	12	13	8.3%	12	13	8.3%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Hardin County| Steam Electric Power WUG Type						
Existing WUG supply total	1	1	0.0%	1	1	0.0%
Projected demand total	1	1	0.0%	1	1	0.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Hardin County| Livestock WUG Type						
Existing WUG supply total	216	245	13.4%	216	245	13.4%
Projected demand total	198	201	1.5%	198	201	1.5%
Water supply needs total**	0	1	100.0%	0	1	100.0%
Hardin County| Irrigation WUG Type						
Existing WUG supply total	989	989	0.0%	989	989	0.0%
Projected demand total	989	989	0.0%	989	989	0.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Henderson County| Municipal WUG Type						
Existing WUG supply total	3,427	3,689	7.6%	4,087	4,021	-1.6%
Projected demand total	3,028	3,150	4.0%	3,953	3,846	-2.7%
Water supply needs total**	23	15	-34.8%	326	613	88.0%
Henderson County| Mining WUG Type						
Existing WUG supply total	65	173	166.2%	67	120	79.1%
Projected demand total	86	173	101.2%	28	255	810.7%
Water supply needs total**	21	0	-100.0%	0	135	100.0%

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DRAFT Region I 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Henderson County| Steam Electric Power WUG Type						
Projected demand total	0	2,061	100.0%	0	2,061	100.0%
Water supply needs total**	0	2,061	100.0%	0	2,061	100.0%
Henderson County| Livestock WUG Type						
Existing WUG supply total	3,793	4,580	20.7%	2,275	2,871	26.2%
Projected demand total	1,006	3,179	216.0%	1,006	3,179	216.0%
Water supply needs total**	0	0	0.0%	0	308	100.0%
Henderson County| Irrigation WUG Type						
Existing WUG supply total	303	938	209.6%	253	828	227.3%
Projected demand total	303	459	51.5%	303	459	51.5%
Water supply needs total**	0	0	0.0%	50	0	-100.0%
Houston County| Municipal WUG Type						
Existing WUG supply total	6,025	4,782	-20.6%	5,999	4,295	-28.4%
Projected demand total	4,073	4,339	6.5%	3,936	3,858	-2.0%
Water supply needs total**	0	113	100.0%	0	111	100.0%
Houston County| Manufacturing WUG Type						
Existing WUG supply total	254	205	-19.3%	254	236	-7.1%
Projected demand total	232	201	-13.4%	232	232	0.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Houston County| Mining WUG Type						
Existing WUG supply total	254	245	-3.5%	22	245	1013.6%
Projected demand total	254	302	18.9%	22	302	1272.7%
Water supply needs total**	0	57	100.0%	0	57	100.0%
Houston County| Livestock WUG Type						
Existing WUG supply total	2,238	1,925	-14.0%	2,238	1,925	-14.0%
Projected demand total	1,707	1,666	-2.4%	2,439	2,380	-2.4%

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DRAFT Region I 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Water supply needs total**	0	0	0.0%	201	455	126.4%
Houston County| Irrigation WUG Type						
Existing WUG supply total	2,899	2,669	-7.9%	2,899	2,669	-7.9%
Projected demand total	2,137	2,137	0.0%	2,137	2,137	0.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Jasper County| Municipal WUG Type						
Existing WUG supply total	5,877	4,745	-19.3%	5,650	3,442	-39.1%
Projected demand total	4,882	4,692	-3.9%	4,711	3,733	-20.8%
Water supply needs total**	0	15	100.0%	0	291	100.0%
Jasper County| Manufacturing WUG Type						
Existing WUG supply total	89,232	57,660	-35.4%	89,232	66,681	-25.3%
Projected demand total	57,364	57,668	0.5%	57,364	66,689	16.3%
Water supply needs total**	0	8	100.0%	0	8	100.0%
Jasper County| Mining WUG Type						
Existing WUG supply total	118	28	-76.3%	16	28	75.0%
Projected demand total	118	28	-76.3%	14	28	100.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Jasper County| Livestock WUG Type						
Existing WUG supply total	1,068	287	-73.1%	1,068	287	-73.1%
Projected demand total	10,000	10,273	2.7%	10,000	10,273	2.7%
Water supply needs total**	8,932	9,986	11.8%	8,932	9,986	11.8%
Jasper County| Irrigation WUG Type						
Existing WUG supply total	151	230	52.3%	151	230	52.3%
Projected demand total	151	303	100.7%	151	303	100.7%
Water supply needs total**	0	73	100.0%	0	73	100.0%
Jefferson County| Municipal WUG Type						

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DRAFT Region I 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Existing WUG supply total	62,573	60,126	-3.9%	64,962	60,415	-7.0%
Projected demand total	62,112	59,071	-4.9%	76,127	58,217	-23.5%
Water supply needs total**	0	0	0.0%	11,168	1	-100.0%
Jefferson County| Manufacturing WUG Type						
Existing WUG supply total	90,389	175,000	93.6%	90,456	315,000	248.2%
Projected demand total	233,902	175,000	-25.2%	233,902	315,000	34.7%
Water supply needs total**	143,513	0	-100.0%	143,446	0	-100.0%
Jefferson County| Mining WUG Type						
Existing WUG supply total	216	177	-18.1%	368	177	-51.9%
Projected demand total	216	294	36.1%	368	379	3.0%
Water supply needs total**	0	117	100.0%	0	202	100.0%
Jefferson County| Steam Electric Power WUG Type						
Existing WUG supply total	900	0	-100.0%	900	0	-100.0%
Projected demand total	3,291	0	-100.0%	3,291	0	-100.0%
Water supply needs total**	2,391	0	-100.0%	2,391	0	-100.0%
Jefferson County| Livestock WUG Type						
Existing WUG supply total	1,006	1,439	43.0%	1,006	1,439	43.0%
Projected demand total	837	799	-4.5%	837	799	-4.5%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Jefferson County| Irrigation WUG Type						
Existing WUG supply total	204,341	205,096	0.4%	204,341	205,096	0.4%
Projected demand total	88,536	88,536	0.0%	88,536	88,536	0.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Nacogdoches County| Municipal WUG Type						
Existing WUG supply total	14,498	12,559	-13.4%	18,383	14,280	-22.3%
Projected demand total	12,663	13,225	4.4%	18,102	15,114	-16.5%

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DRAFT Region I 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Water supply needs total**	0	796	100.0%	404	963	138.4%
Nacogdoches County| Manufacturing WUG Type						
Existing WUG supply total	12,530	12,892	2.9%	12,530	13,344	6.5%
Projected demand total	2,529	2,892	14.4%	2,529	3,344	32.2%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Nacogdoches County| Mining WUG Type						
Existing WUG supply total	1,525	975	-36.1%	1,525	975	-36.1%
Projected demand total	4,500	891	-80.2%	707	891	26.0%
Water supply needs total**	2,975	0	-100.0%	0	0	0.0%
Nacogdoches County| Steam Electric Power WUG Type						
Existing WUG supply total	0	1,494	100.0%	0	2,187	100.0%
Projected demand total	0	400	100.0%	0	400	100.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Nacogdoches County| Livestock WUG Type						
Existing WUG supply total	3,723	10,308	176.9%	3,723	10,308	176.9%
Projected demand total	10,122	2,625	-74.1%	12,836	3,329	-74.1%
Water supply needs total**	6,399	0	-100.0%	9,113	0	-100.0%
Nacogdoches County| Irrigation WUG Type						
Existing WUG supply total	440	345	-21.6%	440	345	-21.6%
Projected demand total	266	266	0.0%	266	266	0.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Newton County| Municipal WUG Type						
Existing WUG supply total	1,837	1,458	-20.6%	1,783	875	-50.9%
Projected demand total	1,573	1,459	-7.2%	1,510	875	-42.1%
Water supply needs total**	0	1	100.0%	0	0	0.0%
Newton County| Manufacturing WUG Type						

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DRAFT Region I 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Existing WUG supply total	644	6,140	853.4%	931	7,100	662.6%
Projected demand total	56	6,140	10864.3%	56	7,100	12578.6%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Newton County| Mining WUG Type						
Existing WUG supply total	314	174	-44.6%	314	174	-44.6%
Projected demand total	373	3	-99.2%	107	3	-97.2%
Water supply needs total**	59	0	-100.0%	0	0	0.0%
Newton County| Steam Electric Power WUG Type						
Existing WUG supply total	13,442	19,603	45.8%	13,442	19,603	45.8%
Projected demand total	5,778	6,808	17.8%	5,778	6,808	17.8%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Newton County| Livestock WUG Type						
Existing WUG supply total	259	262	1.2%	259	262	1.2%
Projected demand total	168	114	-32.1%	168	114	-32.1%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Newton County| Irrigation WUG Type						
Existing WUG supply total	380	438	15.3%	380	438	15.3%
Projected demand total	101	101	0.0%	101	101	0.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Orange County| Municipal WUG Type						
Existing WUG supply total	11,009	14,644	33.0%	11,221	15,244	35.9%
Projected demand total	9,734	11,103	14.1%	10,186	10,971	7.7%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Orange County| Manufacturing WUG Type						
Existing WUG supply total	55,991	113,377	102.5%	55,991	120,073	114.5%
Projected demand total	48,193	103,832	115.5%	48,193	120,073	149.2%

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Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Water supply needs total**	0	0	0.0%	0	0	0.0%
Orange County| Mining WUG Type						
Existing WUG supply total	327	262	-19.9%	327	262	-19.9%
Projected demand total	314	11	-96.5%	327	11	-96.6%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Orange County| Steam Electric Power WUG Type						
Existing WUG supply total	5,791	11,323	95.5%	5,791	11,045	90.7%
Projected demand total	4,298	10,497	144.2%	4,298	10,497	144.2%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Orange County| Livestock WUG Type						
Existing WUG supply total	272	349	28.3%	272	349	28.3%
Projected demand total	255	187	-26.7%	255	187	-26.7%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Orange County| Irrigation WUG Type						
Existing WUG supply total	1,298	2,445	88.4%	1,298	2,445	88.4%
Projected demand total	1,824	1,824	0.0%	1,824	1,824	0.0%
Water supply needs total**	526	0	-100.0%	526	0	-100.0%
Panola County| Municipal WUG Type						
Existing WUG supply total	4,309	3,718	-13.7%	4,352	3,329	-23.5%
Projected demand total	3,597	3,655	1.6%	3,737	3,242	-13.2%
Water supply needs total**	0	5	100.0%	0	6	100.0%
Panola County| Manufacturing WUG Type						
Existing WUG supply total	1,298	1,298	0.0%	1,468	1,502	2.3%
Projected demand total	1,272	1,298	2.0%	1,272	1,502	18.1%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Panola County| Mining WUG Type						

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Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Existing WUG supply total	9,372	6,481	-30.8%	9,520	6,662	-30.0%
Projected demand total	5,859	2,280	-61.1%	3,938	2,280	-42.1%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Panola County| Livestock WUG Type						
Existing WUG supply total	1,670	3,191	91.1%	1,670	3,282	96.5%
Projected demand total	2,652	1,142	-56.9%	2,652	1,142	-56.9%
Water supply needs total**	982	0	-100.0%	982	0	-100.0%
Panola County| Irrigation WUG Type						
Existing WUG supply total	602	1,069	77.6%	602	1,069	77.6%
Projected demand total	574	1,069	86.2%	574	1,069	86.2%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Polk County| Municipal WUG Type						
Existing WUG supply total	1,453	1,397	-3.9%	1,747	1,706	-2.3%
Projected demand total	1,070	1,060	-0.9%	1,282	1,270	-0.9%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Polk County| Manufacturing WUG Type						
Existing WUG supply total	475	401	-15.6%	475	463	-2.5%
Projected demand total	466	392	-15.9%	466	454	-2.6%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Polk County| Mining WUG Type						
Existing WUG supply total	103	104	1.0%	103	84	-18.4%
Projected demand total	97	26	-73.2%	9	30	233.3%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Polk County| Livestock WUG Type						
Existing WUG supply total	403	159	-60.5%	403	159	-60.5%
Projected demand total	174	114	-34.5%	174	114	-34.5%

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Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Water supply needs total**	0	0	0.0%	0	0	0.0%
Polk County| Irrigation WUG Type						
Existing WUG supply total	313	313	0.0%	313	313	0.0%
Projected demand total	230	230	0.0%	230	230	0.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Rusk County| Municipal WUG Type						
Existing WUG supply total	14,262	12,855	-9.9%	16,242	13,069	-19.5%
Projected demand total	10,496	8,717	-16.9%	14,610	7,524	-48.5%
Water supply needs total**	122	304	149.2%	427	2	-99.5%
Rusk County| Manufacturing WUG Type						
Existing WUG supply total	373	245	-34.3%	470	245	-47.9%
Projected demand total	34	26	-23.5%	34	30	-11.8%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Rusk County| Mining WUG Type						
Existing WUG supply total	3,702	3,799	2.6%	3,702	3,826	3.3%
Projected demand total	4,007	489	-87.8%	3,592	489	-86.4%
Water supply needs total**	305	0	-100.0%	0	0	0.0%
Rusk County| Steam Electric Power WUG Type						
Existing WUG supply total	44,201	44,201	0.0%	44,201	44,201	0.0%
Projected demand total	45,304	19,406	-57.2%	45,304	19,406	-57.2%
Water supply needs total**	1,103	0	-100.0%	1,103	0	-100.0%
Rusk County| Livestock WUG Type						
Existing WUG supply total	1,683	1,993	18.4%	1,694	1,993	17.7%
Projected demand total	1,683	1,316	-21.8%	1,777	1,389	-21.8%
Water supply needs total**	0	0	0.0%	83	0	-100.0%
Rusk County| Irrigation WUG Type						

*The 2030 and 2070 planning decades are used in this comparison because they represent the earliest and latest planning decades in both the 2021 and 2026 RWPs

**WUG supplies and projected demands are entered for each of a WUG's region-county-basin divisions. The needs shown in the WUG Data Comparison to 2021 RWP report are calculated by first deducting the WUG split's projected demand from its total existing water supply volume. If the WUG split has a greater existing supply volume than projected demand in any given decade, this amount is considered a surplus volume. Before aggregating the difference between supplies and demands to the WUG county and category level, calculated surpluses are updated to zero so that only the WUGs with needs in the decade are included with the water supply needs totals.

DRAFT Region I 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Existing WUG supply total	592	633	6.9%	592	633	6.9%
Projected demand total	276	276	0.0%	276	276	0.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Sabine County| Municipal WUG Type						
Existing WUG supply total	2,265	1,778	-21.5%	2,257	1,690	-25.1%
Projected demand total	1,043	1,444	38.4%	1,020	1,067	4.6%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Sabine County| Manufacturing WUG Type						
Existing WUG supply total	310	563	81.6%	310	563	81.6%
Projected demand total	265	449	69.4%	265	520	96.2%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Sabine County| Mining WUG Type						
Existing WUG supply total	2,234	334	-85.0%	2,234	334	-85.0%
Projected demand total	1,365	203	-85.1%	776	203	-73.8%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Sabine County| Livestock WUG Type						
Existing WUG supply total	732	484	-33.9%	732	570	-22.1%
Projected demand total	176	323	83.5%	363	667	83.7%
Water supply needs total**	0	0	0.0%	0	108	100.0%
San Augustine County| Municipal WUG Type						
Existing WUG supply total	1,649	1,855	12.5%	1,649	1,796	8.9%
Projected demand total	1,121	1,367	21.9%	1,078	1,138	5.6%
Water supply needs total**	105	0	-100.0%	89	29	-67.4%
San Augustine County| Manufacturing WUG Type						
Existing WUG supply total	17	8	-52.9%	17	8	-52.9%
Projected demand total	6	4	-33.3%	6	4	-33.3%

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DRAFT Region I 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Water supply needs total**	0	0	0.0%	0	0	0.0%
San Augustine County| Mining WUG Type						
Existing WUG supply total	1,898	1,411	-25.7%	1,898	1,411	-25.7%
Projected demand total	3,000	1,411	-53.0%	662	1,411	113.1%
Water supply needs total**	1,102	0	-100.0%	0	0	0.0%
San Augustine County| Livestock WUG Type						
Existing WUG supply total	680	1,648	142.4%	717	1,722	140.2%
Projected demand total	2,219	533	-76.0%	3,066	736	-76.0%
Water supply needs total**	1,539	0	-100.0%	2,349	0	-100.0%
San Augustine County| Irrigation WUG Type						
Existing WUG supply total	62	16	-74.2%	62	16	-74.2%
Projected demand total	4	14	250.0%	4	14	250.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Shelby County| Municipal WUG Type						
Existing WUG supply total	5,519	6,421	16.3%	6,292	5,938	-5.6%
Projected demand total	4,863	4,882	0.4%	5,773	4,297	-25.6%
Water supply needs total**	76	76	0.0%	117	106	-9.4%
Shelby County| Manufacturing WUG Type						
Existing WUG supply total	2,035	941	-53.8%	2,088	834	-60.1%
Projected demand total	1,696	1,860	9.7%	1,696	2,151	26.8%
Water supply needs total**	0	919	100.0%	0	1,317	100.0%
Shelby County| Mining WUG Type						
Existing WUG supply total	3,025	4,436	46.6%	1,725	4,436	157.2%
Projected demand total	2,938	2,070	-29.5%	1,087	2,070	90.4%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Shelby County| Livestock WUG Type						

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DRAFT Region I 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Existing WUG supply total	5,367	12,019	123.9%	5,367	12,343	130.0%
Projected demand total	14,128	3,338	-76.4%	24,373	5,759	-76.4%
Water supply needs total**	8,761	0	-100.0%	19,006	0	-100.0%
Shelby County| Irrigation WUG Type						
Existing WUG supply total	98	10	-89.8%	98	10	-89.8%
Projected demand total	10	10	0.0%	10	10	0.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Smith County| Municipal WUG Type						
Existing WUG supply total	36,319	54,300	49.5%	46,738	69,770	49.3%
Projected demand total	35,444	50,135	41.4%	48,150	66,620	38.4%
Water supply needs total**	551	274	-50.3%	2,573	481	-81.3%
Smith County| Manufacturing WUG Type						
Existing WUG supply total	3,264	3,179	-2.6%	3,264	2,814	-13.8%
Projected demand total	3,348	2,857	-14.7%	3,348	3,304	-1.3%
Water supply needs total**	84	0	-100.0%	84	490	483.3%
Smith County| Mining WUG Type						
Existing WUG supply total	142	113	-20.4%	98	113	15.3%
Projected demand total	139	427	207.2%	58	510	779.3%
Water supply needs total**	0	314	100.0%	0	397	100.0%
Smith County| Livestock WUG Type						
Existing WUG supply total	1,115	813	-27.1%	1,115	813	-27.1%
Projected demand total	580	500	-13.8%	580	500	-13.8%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Smith County| Irrigation WUG Type						
Existing WUG supply total	928	1,088	17.2%	906	1,057	16.7%
Projected demand total	448	448	0.0%	448	448	0.0%

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DRAFT Region I 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Water supply needs total**	0	0	0.0%	0	0	0.0%
Trinity County| Municipal WUG Type						
Existing WUG supply total	795	803	1.0%	798	732	-8.3%
Projected demand total	355	316	-11.0%	369	223	-39.6%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Trinity County| Mining WUG Type						
Existing WUG supply total	5	9	80.0%	5	9	80.0%
Projected demand total	5	9	80.0%	5	9	80.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Trinity County| Livestock WUG Type						
Existing WUG supply total	478	258	-46.0%	478	285	-40.4%
Projected demand total	202	187	-7.4%	202	187	-7.4%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Trinity County| Irrigation WUG Type						
Existing WUG supply total	303	63	-79.2%	303	63	-79.2%
Projected demand total	278	278	0.0%	278	278	0.0%
Water supply needs total**	0	215	100.0%	0	215	100.0%
Tyler County| Municipal WUG Type						
Existing WUG supply total	8,740	8,742	0.0%	8,657	8,283	-4.3%
Projected demand total	3,436	3,142	-8.6%	3,308	2,683	-18.9%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Tyler County| Manufacturing WUG Type						
Existing WUG supply total	0	40	100.0%	0	40	100.0%
Projected demand total	0	118	100.0%	0	137	100.0%
Water supply needs total**	0	78	100.0%	0	97	100.0%
Tyler County| Mining WUG Type						

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DRAFT Region I 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Existing WUG supply total	198	42	-78.8%	29	42	44.8%
Projected demand total	198	42	-78.8%	29	42	44.8%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Tyler County| Steam Electric Power WUG Type						
Existing WUG supply total	1,029	191	-81.4%	1,029	191	-81.4%
Projected demand total	200	3	-98.5%	200	3	-98.5%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Tyler County| Livestock WUG Type						
Existing WUG supply total	314	268	-14.6%	314	268	-14.6%
Projected demand total	249	268	7.6%	249	268	7.6%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Tyler County| Irrigation WUG Type						
Existing WUG supply total	647	442	-31.7%	647	442	-31.7%
Projected demand total	354	354	0.0%	354	354	0.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Region I Total						
Existing WUG supply total	848,906	1,007,568	18.7%	870,711	1,152,875	32.4%
Projected demand total	793,495	755,106	-4.8%	839,601	942,672	12.3%
Water supply needs total**	182,013	21,282	-88.3%	205,638	25,630	-87.5%

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DRAFT Region I 2026 Regional Water Plan (RWP)
Source Availability Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Anderson County						
Groundwater availability total	49,104	44,220	-9.9%	49,104	44,219	-9.9%
Surface Water availability total	2,469	2,645	7.1%	2,469	2,645	7.1%
Angelina County						
Groundwater availability total	46,757	46,798	0.1%	46,374	46,415	0.1%
Surface Water availability total	675	1,007	49.2%	675	1,007	49.2%
Cherokee County						
Groundwater availability total	44,771	24,673	-44.9%	43,963	24,673	-43.9%
Surface Water availability total	1,682	1,810	7.6%	1,682	1,810	7.6%
Hardin County						
Groundwater availability total	34,927	37,721	8.0%	34,927	37,721	8.0%
Surface Water availability total	212	238	12.3%	212	238	12.3%
Henderson County						
Groundwater availability total	18,788	15,197	-19.1%	18,788	15,197	-19.1%
Surface Water availability total	770	632	-17.9%	770	632	-17.9%
Houston County						
Groundwater availability total	36,700	12,784	-65.2%	36,700	12,784	-65.2%
Surface Water availability total	4,520	4,460	-1.3%	4,520	4,460	-1.3%
Jasper County						
Groundwater availability total	67,484	73,965	9.6%	67,484	73,965	9.6%
Surface Water availability total	382,977	382,737	-0.1%	382,977	382,737	-0.1%
Jefferson County						
Groundwater availability total	2,525	15,424	510.9%	2,525	15,424	510.9%
Reuse availability total	13,687	13,687	0.0%	13,687	13,687	0.0%
Surface Water availability total	822,068	816,546	-0.7%	826,924	817,248	-1.2%
Nacogdoches County						
Groundwater availability total	28,897	25,533	-11.6%	28,897	25,533	-11.6%
Surface Water availability total	2,949	9,415	219.3%	2,949	9,415	219.3%
Newton County						
Groundwater availability total	34,219	37,508	9.6%	34,219	37,508	9.6%

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**Since reservoir sources can exist across multiple counties, the county field value, 'reservoir' is applied to all reservoir sources.

DRAFT Region I 2026 Regional Water Plan (RWP)
Source Availability Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Surface Water availability total	133,441	130,381	-2.3%	133,441	130,381	-2.3%
Orange County						
Groundwater availability total	19,364	25,205	30.2%	19,364	25,205	30.2%
Reuse availability total	15	15	0.0%	15	15	0.0%
Surface Water availability total	284,614	284,597	0.0%	284,614	284,597	0.0%
Panola County						
Groundwater availability total	8,218	4,999	-39.2%	8,068	4,999	-38.0%
Surface Water availability total	1,828	3,177	73.8%	1,828	3,177	73.8%
Polk County						
Groundwater availability total	16,527	18,395	11.3%	16,527	18,395	11.3%
Surface Water availability total	416	148	-64.4%	416	148	-64.4%
Reservoir County**						
Surface Water availability total	2,210,756	2,885,556	30.5%	2,192,379	2,853,091	30.1%
Rusk County						
Groundwater availability total	21,634	14,816	-31.5%	21,615	14,816	-31.5%
Surface Water availability total	2,565	2,870	11.9%	2,565	2,870	11.9%
Sabine County						
Groundwater availability total	8,437	6,072	-28.0%	8,437	6,072	-28.0%
Reuse availability total	20	20	0.0%	20	20	0.0%
Surface Water availability total	883	363	-58.9%	883	363	-58.9%
San Augustine County						
Groundwater availability total	5,111	4,259	-16.7%	5,111	4,259	-16.7%
Surface Water availability total	536	1,835	242.4%	536	1,835	242.4%
Shelby County						
Groundwater availability total	10,442	6,319	-39.5%	9,099	6,319	-30.6%
Reuse availability total	246	233	-5.3%	299	284	-5.0%
Surface Water availability total	4,332	11,269	160.1%	4,332	11,269	160.1%
Smith County						
Groundwater availability total	54,319	38,650	-28.8%	54,307	38,650	-28.8%
Surface Water availability total	655	358	-45.3%	655	358	-45.3%
Trinity County						

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**Since reservoir sources can exist across multiple counties, the county field value, 'reservoir' is applied to all reservoir sources.

DRAFT Region I 2026 Regional Water Plan (RWP)
Source Availability Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	**2026 RWP**	**Difference (%)**	**2021 RWP**	**2026 RWP**	**Difference (%)**
Groundwater availability total	1,823	1,818	-0.3%	1,823	1,818	-0.3%
Surface Water availability total	452	233	-48.5%	452	233	-48.5%
Tyler County						
Groundwater availability total	38,211	34,390	-10.0%	38,211	34,390	-10.0%
Surface Water availability total	335	335	0.0%	335	335	0.0%
Region I Total						
Groundwater availability total	548,258	488,746	-10.9%	545,543	488,362	-10.5%
Reuse availability total	13,968	13,955	-0.1%	14,021	14,006	-0.1%
Surface Water availability total	3,859,135	4,540,612	17.7%	3,845,614	4,508,849	17.2%

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**Since reservoir sources can exist across multiple counties, the county field value, 'reservoir' is applied to all reservoir sources.

Attachment 2

Identification of Feasible Water Management Strategies (WMSs)

PLUMMER

MEMORANDUM

Project Name: **Identification of Potentially Feasible Water Management Strategies**

Project No: 1600-004-01

Date: January 15, 2024

Prepared For: East Texas Regional Water Planning Group

Prepared By: Qiwen Zhang, PE, Plummer Associates, Inc.
Brigit Buff, PE, Plummer Associates, Inc.

Cc:

This memorandum documents the process used by the East Texas Regional Water Planning Area to identify Potentially Feasible Water Management Strategies (WMS) for the East Texas Regional Water Planning Area (ETRWPA or Region I) 2026 Regional Water Plan (2026 Plan). The process was presented at an ETRWPG general meeting dated October 4, 2023 held to receive public input on the process. No public comments were received and the process was approved by the ETRWPG.

The screening criteria used to assess the feasibility of potential strategies in the ETRWPA are provided as follows. These criteria were adopted as guidelines, and strategies could be retained or dismissed at the discretion of the ETRWPG.

1 GENERAL

In the development of the potential WMS, the essential considerations that play a pivotal role in determining their feasibility and effectiveness include:

- Feasible strategy must have an identified sponsor or authority.
- Feasible strategy must consider the end use. This includes water quality, distance to end use, etc. For example, long transmission systems with pumping are not likely to be economically feasible for irrigation use.
- A strategy should provide a reasonable percentage of the projected need (except conservation, which will be evaluated for all needs).
- A strategy must meet existing federal and state regulations.
- A strategies must be based on proven technology.
- A strategy must be able to be implemented.
- A strategy must be appropriate for regional water planning.

2 WATER MANAGEMENT STRATEGY TYPES

In accordance with Texas Water Code §16.053(e)(3) and Texas Administrative Code, Chapter 31, §357.34(c), the ETRWPG must evaluate all WMSs the regional water planning group determines to be potentially feasible. The types of WMSs to be evaluated are described below.

2.1 WATER CONSERVATION

The guidelines for water planning require that water conservation be considered as a strategy for every identified need. If water conservation is not adopted, the reason must be documented. Water conservation in the ETRWPA is driven more by economics than lack of readily available supply, and therefore, not every user will have the need to implement conservation. Additional screening criteria for conservation strategies were adopted to comply with this general policy. The criteria are outlined below.

- Municipal conservation strategies will be evaluated for municipal WUGs that have a need identified during the planning period and a current per capita water use greater than 140 gpcd. This is the TWDB recommended goal for municipal users based on the Conservation Task Force recommendations. Municipal conservation will not be evaluated for WUGs with current usage less than 140 gpcd.
    - As part of the municipal conservation strategies, the ETRWPG will develop drought-based GPCD goals and separate water loss mitigation WMS for municipal WUG.
- Industrial, commercial and institutional (ICI) conservation strategies will be considered for cities with ICI use that exceeds 20 percent of the city's total water use.
- Industrial conservation will be evaluated for counties with manufacturing demands greater than 1,000 ac-ft per year and/or have identifiable industries with water use greater than 500 ac-ft per year.
- Steam-electric power water demands consider a high level of conservation in the development of the projections. No additional conservation measures will be considered for steam-electric power.
- Irrigation conservation measures will be considered by crop type and water source.
- Conservation will not be considered for livestock or mining water demands. The cost of water in these industries comprises a small percentage of the overall business cost, and it is not expected that these industries will see an economic benefit to water conservation.
- Review best managements practices (BMPs) for applicability and updates.
- Identify possible permanent reductions in water demands.

2.2 DROUGHT MANAGEMENT MEASURES

Drought management WMSs are implemented in response to drought conditions. These strategies provide a safety factor for water users during drought. Drought management measures will not be adopted as strategies to meet long-range needs.

2.3 WASTEWATER REUSE

Reuse projects will be considered on a case-by-case basis. Both direct and indirect reuse will be considered based on current practices and other opportunities, as appropriate.

2.4 MANAGEMENT OF EXISTING WATER SUPPLIES

Use of existing supplies should be optimized, where possible, to meet new demands. Following is a discussion of how various types of existing supplies might be expanded.

2.5 CONJUNCTIVE USE OF GROUNDWATER AND SURFACE WATER SUPPLIES

The conjunctive use of groundwater and surface water supplies may be considered when groundwater supplies are available and can be conjunctively used with surface water supplies. Applicable groundwater conservation district rules will be considered for such conjunctive systems.

2.6 ACQUISITION OF AVAILABLE EXISTING WATER SUPPLIES

In general, supplies should be owned by the water group with a need for additional supply or available to that group for purchase or permitting; however, the connection to existing supplies will be considered on a case-by-case basis. Acquisition of supplies includes purchasing existing groundwater wells or the right to surface water that another entity already has the physical and legal means to access. The ETRWPG will consider acquisition of supplies when an entity in need of supplies is adjacent to an entity with a surplus of supplies and both entities have shown an interest in the proposed acquisition.

2.7 DEVELOPMENT OF NEW WATER SUPPLIES

The development of new water supplies may be necessary to meet new water demands.

2.8 REGIONAL WATER SUPPLY FACILITIES

A strategy of this type would include regional facilities or local facilities managed at a regional level.

2.9 SEAWATER OR BRACKISH GROUNDWATER DESALINATION FACILITIES

A strategy of this type would be large-scale and would serve local or regional brackish groundwater zones identified and designated under Texas Water Code §16.060(b)(5). The ETRWPG will consider desalination on a case-by-case basis.

2.10 MARINE SEAWATER DESALINATION FACILITIES

A strategy of this type would be large-scale and would serve local or regional entities. The ETRWPG will consider desalination on a case-by-case basis.

2.11 VOLUNTARY WATER TRANSFER

This strategy type would include, but not be limited to, contracts, water marketing, regional water banks, sales, leases, options, subordination agreements, and financing agreements. Voluntary redistribution with the involved parties will be considered and the ETRWPG will come to a consensus on an approach. If the involved parties are not interested, this option will not be pursued. Voluntary subordination of existing water rights will be considered if the involved parties are amenable to the strategy. Alternatively, the ETRWPG may recommend that the water right holder consider selling water under their water right to the willing buyer.

2.12 EMERGENCY TRANSFERS

Emergency Transfers of water will be considered in accordance with Texas Administrative Code §11.139 for temporary, interim supplies.

2.13 INTERBASIN TRANSFERS

The ETRWPG will recommend interbasin transfers when necessary to transport water from the source to its destination. Interbasin transfers will be evaluated in accordance with current regulations.

2.14 SYSTEM OPTIMIZATION

New or additional system operations may be considered to optimize existing systems if they are feasible and the owner wishes to adopt such strategies. Existing operating policies will be considered during evaluation of available supplies.

2.15 REALLOCATION OF RESERVOIR STORAGE

Reallocation of reservoir storage will be considered if the owner is amenable to reallocation and, where reallocation in federal reservoirs is being considered (such as from flood to conservation storage), an

appropriate and willing local sponsor can be found to sponsor a federal study.

2.16 ENHANCEMENTS OF YIELDS

ETRWPG will consider yield enhancement projects, as appropriate, for the water source and identified need. Projects such as dredging and application for additional water rights, where permissible, will be considered.

2.17 IMPROVEMENTS OF WATER QUALITY

Water quality improvement projects will be considered for municipal supplies that bring the existing water supply into compliance with state and federal regulations. General water quality projects may be considered if they improve the usability of the water source to help meet demands.

2.18 NEW SURFACE WATER SUPPLY

New surface water resources that can be permitted will be considered, provided a reasonable amount of supply to meet the identified need is located within a reasonable distance of the end users, and recommended new sources would be expected to provide water supplies at a reasonable cost.

2.19 NEW GROUNDWATER SUPPLY

The ETRWPG will consider groundwater supplies in areas where additional groundwater is available.

2.20 BRUSH CONTROL

Brush control is not considered a cost effective water supply strategy in the ETRWPA due to the large amount of rainfall and lack of invasive brush species, and will not be considered as a WMS.

2.21 PRECIPITATION ENHANCEMENT

The ETRWPA has an abundance of precipitation. Precipitation enhancement will not be considered as a WMS.

2.22 AQUIFER STORAGE AND RECOVERY

Aquifer storage and recovery (ASR) will be considered where the structure of the aquifer is such that this method is applicable. The ETRWPG will consider an ASR project if an ASR study has already been performed.

2.23 CANCELLATION OF WATER RIGHTS

The ETRWPG will generally not pursue water right cancellation as a means of obtaining additional water supplies. Instead, the ETRWPG will recommend that the water right holder consider selling water under their water right to the willing buyer.

2.24 RAINWATER HARVESTING

Rainwater Harvesting has not historically been considered for Region I as a feasible WMS. The ETRWPG will consider rainwater harvesting for projects with a project sponsor.

3 SELECTIONS FOR TASK 5B EVALUATION

The process for selection of the WMSs is described as follows:

1) Define groupings or common areas with supply deficiencies.
2) Develop a comprehensive list of potentially feasible strategies, per screening process.
3) Contact potential suppliers/WUGs to determine current strategies under consideration.

4) Prepare qualitative rating based on cost, reliability, environmental impact, impacts on other water resources, impacts on agricultural and natural resources, and political acceptability for the various strategies.
5) Select one or more strategies as appropriate for each need or group.
6) Contact each WUG with a need and confirm the selected strategies are acceptable.
7) Review the Region I 2021 Regional Water Plan WMSs with project sponsors to update the information and verify whether or not the entity would like to carry the strategy forward into the 2026 Plan.

Potentially Feasible Water Management Strategies Identified by RWPG as of January 2024

2026 Region I Regional Water Plan

No.	Strategy	2016	2021
31 TAC §357.34 (c) (1) Expanded use of existing supplies			
Availability Increase - Groundwater			
1	HCWC-GW-Well		X
Availability Increase - Reservoir			
2	ANCD-VOL-Volumetric Survey and Normal Pool Elevation Adjustment	X	X
3	ANRA-COL - Lake Columbia	X	X
4	LNVA-WRR-Beaumont West Regional Reservoir		X
5	Lake Palestine Infrastructure Improvements (Tyler)	X	
Availability Increase - Run-of-River			
6	ANRA-Run-of-River (Submitted Application)	X	X
7	CHER-MIN-Purchase from Angelina Neches River Authority (Angelina River)		X
8	UNM-ROR-Neches Run of River	X	X
Existing Availability - Groundwater			
9	ANRA-GW-ANRA Groundwater Wells	X	X
10	ANRA Treatment and Distribution System	X	
Existing Availability - Reservoir			
11	AMWA-BSI-WTP Booster PS Improvement	X	X
12	HCWC Permit Amendment	X	X
13	NACN-LK - Lake Naconiche Infrastructure		X
Existing Availability - Reservoir System			
14	LUFK-RAY Sam Rayburn Infrastructure		X
31 TAC §357.34 (c) (2) New supply development			
New Groundwater Supplies			
15	CHER-ALT-New Wells in Carrizo-Wilcox Aquifer		X
16	HDSN-CHN-New Wells in Carrizo-Wilcox Aquifer		X
17	NACW-DMW-New Wells in Carrizo-Wilcox Aquifer	X	X
18	RUSK-JAW-New Wells in Carrizo-Wilcox Aquifer		X
19	Livestock, Henderson - New Well(s) in Carrizo-Wilcox Aquifer		X
20	Athens MWA - New Well(s) in Carrizo-Wilcox Aquifer	X	X
21	HOUS-LTK-New Wells in Yegua-Jackson	X	X
22	NACW-LTK-New Wells in Carrizo-Wilcox Aquifer	X	X
23	PANL-LTK-New Wells in Carrizo-Wilcox Aquifer		X
24	RUSK-LTK-New Wells in Carrizo-Wilcox Aquifer		X
25	HDSN-MIN-New Wells in Carrizo-Wilcox Aquifer		X
26	HDSN-MSW-New Wells in Carrizo-Wilcox Aquifer		X
27	SMTH-OVN-New Wells in Carrizo-Wilcox Aquifer		X
28	Drill New Wells (Panola Bethany, Queen City, Sabine)		X
29	CHER-RUS New Wells in Carrizo-Wilcox Aquifer		X
30	SAUG-SAG-New Wells in Carrizo-Wilcox Aquifer		X
31	CHER-WCW-New Wells in Carrizo-Wilcox Aquifer		X
32	ANRA New wells (Wilcox Aquifer)	X	

Potentially Feasible Water Management Strategies Identified by RWPG as of January 2024

2026 Region I Regional Water Plan

No.	Strategy	2016	2021
31 TAC §357.34 (c) (3) Conservation and Demand Management			
33	Municipal Conservation	X	X
34	Irrigation Conservation	X	X
31 TAC §357.34 (c) (4) Reuse of wastewater			
35	AMWA Athens Fish Hatchery Reuse	X	X
36	CENT-REU-City of Center Reuse Pipeline from WWTP to Lake Center	X	X
31 TAC §357.34 (c) (5) Interbasin Transfers of Surface Water			
Existing Surplus - Reservoir			
37	Angelina Manufacturing (Purchase from Lufkin)	X	X
38	CENT-TOL-Pipeline From Toledo Bend to Lake Center		X
39	LNVA-SRA-Purchase From Sabine River Authority (Toledo Bend)	X	X
40	Newton Mining - Transfer from SRA	X	X
41	ORAN-IRR-Purchase from Sabine River Authority (Sabine River)	X	X
42	SAUG-LTK-Purchase from SRA (Toledo Bend)		X
43	SHEL-LTK-Purchase from Sabine River Authority (Toledo Bend)	X	X
44	SHEL-SHW-Purchase from Center		X
45	SMTH-WTH-Purchase from City of Tyler (Lake Palestine/Lake Tyler/Carrizo-Wilcox)		X
46	TYL-PAL-Existing Surplus for Tyler		X
47	Purchase from Carthage (Maurval Lake)	X	
Existing Surplus - Reservoir System			
48	Beaumont Contract Amendment		X
49	JASP-LTK-Purchase from Lower Neches Valley Authority (Sam Rayburn)		X
50	JEFF-CTR-Purchase From Lower Neches Valley Authority (Sam Rayburn)	X	X
51	JEFF-MFG-Purchase from Lower Neches Valley Authority (Sam Rayburn)	X	X
52	Transfer to Region H from Lower Neches Valley Authority (Sam Rayburn)	X	
Existing Surplus - Run-of-River			
53	RUSK-SEP-Purchase From Sabine River Authority (Toledo Bend)	X	X
31 TAC §357.34 (c) (6) Emergency transfers of surface water			
	NA		

Potentially Feasible Water Management Strategies Identified by RWPG as of January 2024

2026 Region I Regional Water Plan

Abbreviations

AMWA = Athens Municipal Water Authority
ANCD = Angelina Nacogdoches WCID
ANRA = Angelina & Neches River Authority
ASR = Aquifer Storage and Recovery
CENT = Center
CHER = Cherokee
CTR = County-Other
GW = Groundwater
HARD = Hardin
HARV = Harville WSC
HCWC = Houston County WCID
HDSN = Henderson
HOU = Houston
IND = Industrial
JACK = Jackson
JASP = Jasper
JAW = Jacobs WSC
JEFF = Jefferson County
LNVA = Lower Neches Valley Authority
LTK = Livestock
LUFK = Lufkin
MFG = Manufacturing
MIN = mining
MSW =Moore Station WSC
NACN = Nacogdoches
NACW = Nacogdoches
ORAN = Orange
OVN = Overton
PAL = Palestine Lake
PANL = Panola
ROR = Run of River
SAUG = San Augustine
SEP = Steam-Electric Power
SHEL = Shelby
SHW = Sand Hills WSC
SMTH = Smith
TAC = Texas Water Code
TYL = Tyler
UNM = Upper Neches River Municipal Water Authority
VOL = volume
WCID = Water Control and Improvement District
WRR = West Regional Reservoir
WTH = Whitehouse

Sources:

The strategies from the 2021 Plan are obtained from the TWDB database, and the strategies from the 2016 Plan are obtained from the 2016 Plan.

Attachment 3

Hydrologic Variance Requests

Region I
East Texas Regional
Water Planning Group

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

October 24, 2023

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

Re: Request for Modifications to Water Availability Models for Planning Purposes in the East Texas Regional Water Planning Area

Dear Mr. Walker:

On October 4, 2023, the East Texas Regional Water Planning Group (ETRWPG) considered and approved an approach to water availability modeling for surface water supplies for the current round of planning. The purpose of this letter is to inform the Texas Water Development Board (TWDB) of the approach approved at that time.

The East Texas Regional Water Planning Area (ETRWPA) uses supplies from four river basins, Trinity, Neches, Sabine, and Neches Trinity. As part of the 2026 planning efforts, the Full Authorization Water Availability Models (WAM[1]), also known as Run 3, for each of these basins will be updated to determine surface water availability in the region. Following are highlights of the four basin models and the changes made to the models to determine the available surface water supplies for the ETRWPA in this round of regional water planning. Completed hydrologic variance request forms for the Neches River Basin and Sabin River Basin are included in Attachment A.

- All models will incorporate updated area-capacity relationships to account for sedimentation in major reservoirs, as required by "Exhibit C: General Guidelines for Sixth Cycle of Regional Water Plan Development."

<u>Neches-Trinity Coastal Basin WAM</u>

- The ETRWPG will use the current Neches-Trinity Coastal Basin WAM run, as developed by TCEQ, for surface water supplies in that basin. No changes are proposed to the Neches-Trinity WAM.

<u>Trinity River Basin WAM</u>

- For surface water supplies located in the Trinity River Basin, the ETRWPG will use the updated Trinity Basin WAM developed for Region C.

[1] The term WAM refers throughout this document to TCEQ's Full Authorization Scenario, also known as Run 3, with modifications as proposed in this letter.

Neches River Basin WAM

- Modifications to the Neches River WAM Full Authorization run (Run 3) as developed by TCEQ in 2021. The modifications will address the following:
    - Updated area-capacity relationships to account for sedimentation in major reservoirs (those with a capacity greater than 5,000 ac-ft), as required by "Exhibit C: General Guidelines for Sixth Cycle of Regional Water Plan Development."
    - Subordination of rights associated with Sam Rayburn Reservoir and Lake B.A. Steinhagen to upstream water rights as specified in Certificate of Adjudication 06-4411.
    - System operation of Lake Palestine and LNVA rights.
    - Minimum operating elevation in Sam Rayburn and B.A. Steinhagen Reservoirs The top elevation of the inactive pool for the Sam Rayburn Reservoir is 149 ft msl and the top elevation of the inactive pool for the BA. Steinhagen Reservoir is 81 ft msl.
    - Modeling Lake Tyler as a single reservoir.
    - Evaluate City of Beaumont supply based on a daily time-step analysis.

Sabine River WAM

- Modifications to the Sabine River WAM Full Authorization run (Run 3) as developed by TCEQ in 2012. The modifications will address the following:
    - Updated area-capacity relationships to account for sedimentation in major reservoirs (those with a capacity greater than 5,000 ac-ft), as required by "Exhibit C: General Guidelines for Sixth Cycle of Regional Water Plan Development."
    - Firm Yield of Toledo Bend Reservoir

As intended by Senate Bill 1, the assessment of surface water availability in the ETRWPA will be conducted to accurately reflect water supplies that are available for use. Should new information become available within the project timeline, this will be incorporated into the supply analyses. Examples of such changes include new water supply studies for specific sources, updates to the area-capacity relationships for reservoirs with new volumetric surveys, new water rights permit, and revised operating policies and/or contractual agreements.

Thank you for your attention to this matter. Please contact me if you have any questions regarding our request.

Sincerely,

John Martin

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.

Surface Water Hydrologic Variance Request Checklist

Texas Water Development Board (TWDB) rules[1] require that regional water planning groups (RWPG) use most current Water Availability Models (WAM) from the Texas Commission on Environmental Quality (TCEQ) and assume full utilization of existing water rights and no return flows for surface water supply analysis. Additionally, evaluation of existing stored surface water available during Drought of Record conditions must be based on Firm Yield using anticipated sedimentation rates. However, the TWDB rules also allow, and **we encourage**, RWPGs to use more representative, water availability modeling assumptions; better site-specific information; or justified operational procedures other than Firm Yield with written approval (via a Hydrologic Variance) from the Executive Administrator in order to better represent and therefore prepare for expected drought conditions.

RWPGs must use this checklist, which is intended to save time and reduce effort, to request a Hydrologic Variance for estimating the availability of surface water sources. For Questions 4 – 10, please indicate whether the requested variance is for determining Existing Supply, Strategy Supply, or both. Please complete a separate checklist for each river basin in which variances are being requested.

Water Planning Region: I

1. Which major river basin does the request apply to? Please specify if the request only applies part of the basin or only to certain reservoirs.

   Neches River Basin

2. Please give a brief, bulleted, description of the requested hydrologic variances including how the alternative availability assumptions vary from rule requirements, how the modifications will affect the associated annual availability volume(s) in the regional water plan, and why the variance is necessary or provides a better basis for planning. You must provide more-detailed descriptions in the subsequent checklist questions. Attach any available documentation supporting the request.

   - Modifications to the Neches River WAM Full Authorization run (Run 3) as developed by TCEQ in 2021. The modifications will address the following:
     - Updated area-capacity relationships to account for sedimentation in major reservoirs (those with a capacity greater than 5,000 ac-ft), as required by "Exhibit C: General Guidelines for Sixth Cycle of Regional Water Plan Development."
     - Subordination of rights associated with Sam Rayburn Reservoir and Lake B.A. Steinhagen to upstream water rights as specified in Certificate of Adjudication 06-4411.
     - System operation of Lake Palestine and LNVA rights.
     - Minimum operating elevation in Sam Rayburn and B.A. Steinhagen Reservoirs The top elevation of the inactive pool for the Sam Rayburn Reservoir is 149 ft msl

[1] 31 Texas Administrative Code (TAC) §§ 357.10(14) and 357.32(c)

and the top elevation of the inactive pool for the BA. Steinhagen Reservoir is 81 ft msl.
- Modeling Lake Tyler as a single reservoir.
- Evaluate City of Beaumont supply based on a daily time-step analysis.

3. Was this request submitted in a previous planning cycle? If yes, please indicate which cycle and note how it is different, if at all, from the previous request?

   Yes

   Modification requests are the same as in the previous cycle of planning (2021 RWP). Since the 2021 RWP was published, the Neches WAM Run 3 was updated and extended in 2021. Updates to the 2021 Neches WAM Run 3 resulted in removal of some requested modifications in the previous planning cycle related to dual simulation and output of Subordination of rights associated with Sam Rayburn Reservoir and Lake B.A. Steinhagen.

4. Are you requesting to extend the period of record beyond the current applicable WAM hydrologic period? If yes, please describe the proposed methodology. Indicate whether you believe there is a new drought of record in the basin.

   No

   Choose an item.

   Click or tap here to enter text.

5. Are you requesting to use a reservoir safe yield? If yes, please describe in detail how the safe yield would be calculated and defined, which reservoir(s) it would apply to, and why the modification is needed or preferrable for drought planning purposes.

   No

   Choose an item.

   Click or tap here to enter text.

6. Are you requesting to use a reservoir yield other than firm yield or safe yield? If yes, please describe, in a bulleted list, each modification requested including how the alternative yield was calculated, which reservoir(s) it applies to, and why the modification is needed or preferrable for drought planning purposes. Examples of alternative reservoir yield analyses may include using an alternative reservoir level, conditional reliability, or other special reservoir operations.

   No

   Choose an item.

Click or tap here to enter text.

7. Are you requesting to use a different model (such as a RiverWare or Excel-based models) than RUN 3 of the applicable TCEQ WAM? If yes, please describe the model being considered including how it incorporates water rights and prior appropriation and how it is more conservative than RUN 3 of the applicable TCEQ WAM.

   Yes

   Existing Supply

   An Excel-based daily analysis of supplies for the City of Beaumont based on historical data.

8. Are you requesting to use a modified TCEQ WAM? If yes, please describe in a bulleted list all modifications in detail including all specific changes to the WAM and whether the modified WAM is more conservative than the TCEQ WAM RUN 3. Examples of WAM modifications may include adding subordination agreements, contracts, updated water rights, modified spring flows, updated lake evaporation, updated sedimentation[2], system or reservoir operations, or special operational procedures into the WAM.

   Yes

   Existing and Strategy Supply

   Area-Capacity Relationships. Exhibit C requires RWPGs to include anticipated sedimentation of all major reservoirs (those with a capacity greater than 5,000 ac-ft) in the WAM model runs. There are 12 such permitted reservoirs in the Neches Basin. For each of the 12 reservoirs, sedimentation conditions will be estimated based on an average annual sedimentation rate and the number of years since the last survey. Lake Columbia has not yet been constructed, so to be conservative, Lake Columbia's full design capacity and original area-capacity curve will be used when evaluating firm yields for all other reservoirs. Conversely, to estimate the yield from Lake Columbia, it will be assumed that the reservoir would be built in 2030 and begin collecting sediment at that time.

   Subordination of rights associated with Sam Rayburn Reservoir and Lake B.A. Steinhagen. Special conditions 5C and 5D of Certificate of Adjudication 06-4411 require subordination of LNVA's rights in the Rayburn-Steinhagen system to (a) water rights upstream of the proposed Weches and Ponta Dam sites and (b) intervening municipal rights above Sam Rayburn Reservoir.

   Changes will be implemented in the WAM related to output and the refilling of Rayburn and Steinhagen:

[2] Updating anticipated sedimentation rates does not require a hydrologic variance under 31 TAC § 357.10(14). The Technical Memorandum will require providing details regarding the sedimentation methodology utilized. Please consider providing that information with this request.

a) The 1963 rights for impoundment at Rayburn and Steinhagen will be reordered so that Rayburn, the upstream reservoir, would be filled from available streamflow before Steinhagen is refilled.

System Operations.

a) Lake Palestine and Rocky Point Dam
    a. The Upper Neches River Municipal Water Authority operates Lake Palestine in conjunction with its downstream dam on the Neches River in Anderson and Cherokee Counties. This set of rights will be modified so that downstream diversions would first be backed up by the subordination agreement at Steinhagen Lake, and any remaining shortages would be backed up by Lake Palestine.
b) Sam Rayburn Backup of Pine Island Bayou
    a. Operation of LNVA's water rights will be modeled as a system by including backup of LNVA's Pine Island water rights with storage from Sam Rayburn.

Minimum operating elevation in Sam Rayburn and B.A. Steinhagen Reservoirs. WS and OR records will be used to set inactive pool capacity for Sam Rayburn Reservoir. The top elevation of the inactive pool is 149 ft msl, and the inactive pool capacity will be updated each decade based on updated area-capacity-elevation curves. The City of Lufkin has a right to a lakeside diversion of up to 28,000 ac-ft/yr from Sam Rayburn Reservoir; no inactive pool capacity will be applied for this diversion. This diversion is lakeside, so it is not limited by the inlet elevation.

A dead pool capacity will also set for B. A. Steinhagen using an inactive pool elevation of 81 ft msl. Inactive pools were not applied to subordination-related backup rights for either reservoir.

Modeling Lake Tyler as a Single Reservoir. For the 2026 Region I WAM, Lake Tyler will be modeled as a single reservoir, and associated water rights will be adjusted accordingly. This is consistent with the development of the original Neches WAM, which treated this source as one reservoir.

City of Beaumont. Available supply will be evaluated based on daily time-step analysis based on historical data. The City of Beaumont is the only major municipal water user with a run-of-river water right. Other major users that receive water from run-of-river water rights either purchase water from the Lower Neches Valley Authority or use saline water. The purchased run-of-the-river water is backed up by stored water that is owned and operated by LNVA, making this supply less vulnerable to drought. This approach was applied in the development of supplies for the 2021 East Texas Regional Water Plan.

9. Are you requesting to include return flows in the modeling? If yes, are you doing so to model an indirect reuse water management strategy (WMS)? Please provide complete details regarding the proposed methodology for determining reuse WMS availability.

No

Choose an item.

Click or tap here to enter text.

10. Are any of the requested Hydrologic Variances also planned to be used by another region for the same basin? If yes, please indicate the other Region. Please indicate if unknown.

    Yes

    Region D and Region H.

11. Please describe any other variance requests not captured on this checklist or add any other information regarding the variance requests on this checklist.

    N/A

Surface Water Hydrologic Variance Request Checklist

Texas Water Development Board (TWDB) rules[1] require that regional water planning groups (RWPG) use most current Water Availability Models (WAM) from the Texas Commission on Environmental Quality (TCEQ) and assume full utilization of existing water rights and no return flows for surface water supply analysis. Additionally, evaluation of existing stored surface water available during Drought of Record conditions must be based on Firm Yield using anticipated sedimentation rates. However, the TWDB rules also allow, and **we encourage**, RWPGs to use more representative, water availability modeling assumptions; better site-specific information; or justified operational procedures other than Firm Yield with written approval (via a Hydrologic Variance) from the Executive Administrator in order to better represent and therefore prepare for expected drought conditions.

RWPGs must use this checklist, which is intended to save time and reduce effort, to request a Hydrologic Variance for estimating the availability of surface water sources. For Questions 4 – 10, please indicate whether the requested variance is for determining Existing Supply, Strategy Supply, or both. Please complete a separate checklist for each river basin in which variances are being requested.

Water Planning Region: I

1. Which major river basin does the request apply to? Please specify if the request only applies part of the basin or only to certain reservoirs.

   Sabine River Basin

2. Please give a brief, bulleted, description of the requested hydrologic variances including how the alternative availability assumptions vary from rule requirements, how the modifications will affect the associated annual availability volume(s) in the regional water plan, and why the variance is necessary or provides a better basis for planning. You must provide more-detailed descriptions in the subsequent checklist questions. Attach any available documentation supporting the request.

   - Modifications to the Sabine River WAM Full Authorization run (Run 3) as developed by TCEQ in 2012. The modifications will address the following:
     - Updated area-capacity relationships to account for sedimentation in major reservoirs (those with a capacity greater than 5,000 ac-ft), as required by "Exhibit C: General Guidelines for Sixth Cycle of Regional Water Plan Development."
     - Firm Yield of Toledo Bend Reservoir

3. Was this request submitted in a previous planning cycle? If yes, please indicate which cycle and note how it is different, if at all, from the previous request?

[1] 31 Texas Administrative Code (TAC) §§ 357.10(14) and 357.32(c)

Yes

Modification request is the same as in the previous cycle of planning (2021 RWP).

4. Are you requesting to extend the period of record beyond the current applicable WAM hydrologic period? If yes, please describe the proposed methodology. Indicate whether you believe there is a new drought of record in the basin.

   No

   Choose an item.

   Click or tap here to enter text.

5. Are you requesting to use a reservoir safe yield? If yes, please describe in detail how the safe yield would be calculated and defined, which reservoir(s) it would apply to, and why the modification is needed or preferrable for drought planning purposes.

   No

   Choose an item.

   Click or tap here to enter text.

6. Are you requesting to use a reservoir yield other than firm yield or safe yield? If yes, please describe, in a bulleted list, each modification requested including how the alternative yield was calculated, which reservoir(s) it applies to, and why the modification is needed or preferrable for drought planning purposes. Examples of alternative reservoir yield analyses may include using an alternative reservoir level, conditional reliability, or other special reservoir operations.

   No

   Choose an item.

   Click or tap here to enter text.

7. Are you requesting to use a different model (such as a RiverWare or Excel-based models) than RUN 3 of the applicable TCEQ WAM? If yes, please describe the model being considered including how it incorporates water rights and prior appropriation and how it is more conservative than RUN 3 of the applicable TCEQ WAM.

   No

   Choose an item.

   Click or tap here to enter text.

8. Are you requesting to use a modified TCEQ WAM? If yes, please describe in a bulleted list all modifications in detail including all specific changes to the WAM and whether the modified WAM is more conservative than the TCEQ WAM RUN 3. Examples of WAM modifications may include adding subordination agreements, contracts, updated water rights, modified spring flows, updated lake evaporation, updated sedimentation[2], system or reservoir operations, or special operational procedures into the WAM.

   Yes

   Existing and Strategy Supply

   Area-Capacity Relationships. Exhibit C requires RWPGs to include anticipated sedimentation of all major reservoirs (those with a capacity greater than 5,000 ac-ft) in the WAM model runs. There are 12 such permitted reservoirs in the Sabine Basin. For each of the 12 reservoirs, sedimentation conditions will be estimated based on an average annual sedimentation rate and the number of years since the last survey.

   Firm Yield of Toledo Bend Reservoir. Hydropower operations at Toledo Bend were excluded during the determination of total available supply from the lake. However, hydropower operations were included in the evaluation of supplies for all other reservoirs and run-of-river supplies. The canal water rights owned by Sabine River Authority (SRA) in the lower basin modeled as being subordinate to diversions from Toledo Bend Reservoir for the purposes of determining firm yield. The remainder of the yield of Toledo Bend was evaluated assuming all diversions were taken lakeside. Within the WAM, all diversions from the lake are shared equally between SRA-Texas and SRA-Louisiana, including the additional unpermitted yield.

   Supplies for Lake Center will be determined separately, based on a study completed in 2016 by the City of Center.

9. Are you requesting to include return flows in the modeling? If yes, are you doing so to model an indirect reuse water management strategy (WMS)? Please provide complete details regarding the proposed methodology for determining reuse WMS availability.

   No

   Choose an item.

   Click or tap here to enter text.

10. Are any of the requested Hydrologic Variances also planned to be used by another region for the same basin? If yes, please indicate the other Region. Please indicate if unknown.

[2] Updating anticipated sedimentation rates does not require a hydrologic variance under 31 TAC § 357.10(14). The Technical Memorandum will require providing details regarding the sedimentation methodology utilized. Please consider providing that information with this request.

Yes

Region C and Region D.

11. Please describe any other variance requests not captured on this checklist or add any other information regarding the variance requests on this checklist.

    N/A

Texas Water Development Board

P.O. Box 13231, 1700 N. Congress Ave.
Austin, TX 78711-3231, www.twdb.texas.gov
Phone (512) 463-7847, Fax (512) 475-2053

December 20, 2023

Mr. John Martin
Chair
Region I (East Texas) Regional Water Planning Group
c/o City of Nacogdoches
P.O. Box 635030
Nacogdoches, Texas 75963

Dear Chairman Martin:

I have reviewed your request dated October 13, 2023, for approval of alternative water supply assumptions to be used in determining existing and future surface water availability. This letter confirms that the TWDB approves the following assumptions:

1. For surface water supplies located in the Trinity River Basin, use the updated Trinity Basin WAM as modified by the Region C RWPG and approved by the TWDB for existing supplies.
2. Modifications to the Neches River WAM RUN3 to address the following for existing and strategy supplies:
    a. Subordinating rights associated with Sam Rayburn Reservoir and Lake B. A. Steinhagen to upstream water rights as specified in the Certificate of Adjudication 06-4411.
    b. Reordering the 1963 rights for impoundment at Sam Rayburn and B.A. Steinhagen so that Sam Rayburn, the upstream reservoir, will be filled with available streamflow before B.A. Steinhagen is refilled.
    c. Modeling system operation of Lake Palestine and Lower Neches Valley Authority rights.
    d. Setting the minimum operating elevation in Sam Rayburn Reservoir to 149 feet msl and at B.A. Steinhagen Reservoir to 81 feet msl.
    e. Modeling Lake Tyler as a single reservoir.
3. Evaluate City of Beaumont existing and strategy supplies based on a daily time-step analysis utilizing an excel-based model.
4. Modifications to the Sabine River WAM RUN3 to address the following for existing and strategy supplies when estimating the firm yield of Toledo Bend Reservoir:
    a. Excluding hydropower operations at Toledo Bend when determining the total available supply from the lake.
    b. Including hydropower operations in the evaluation of supplies from all other reservoirs and run-of-river supplies.

c. Modeling canal water rights owned by the Sabine River Authority (SRA) in the lower basin as being subordinate to diversions from Toledo Bend Reservoir.
d. Evaluating the remainder of the yield of Toledo Bend assuming that all diversions are taken lakeside.
e. Sharing all diversions from the lake equally been SRA-Texas and SRA-Louisiana, including the additional unpermitted yield, within the WAM.

5. Determine existing and strategy supplies from Lake Center separately from the WAM, based on the 2016 study completed by the City of Center.

While the use of these modified conditions may be reasonable for planning purposes, WAM RUN3 would be utilized by the Texas Commission on Environmental Quality for analyzing permit applications. It is acceptable to use the modified conditions for strategy supply evaluations only if the yield produced is more conservative (less) for surface water appropriations than WAM RUN3.

While the TWDB authorizes these modification to evaluate existing and future water supplies for development of the 2026 East Texas RWP, it is the responsibility of the RWPG to ensure that the resulting estimates of water availability are reasonable for drought planning purposes and will reflect conditions expected in the event of actual drought conditions; and in all other regards will be evaluated in accordance with the most recent version of regional water planning contract Exhibit C, *General Guidelines for Development of the 2026 Regional Water Plans.*

Please do not hesitate to contact Lann Bookout of our Regional Water Planning staff at 512-926-9439 or lann.bookout@twdb.texas.gov if you have any questions.

Sincerely,

Matt Nelson Digitally signed by Matt Nelson
Date: 2023.12.21 11:43:06 -06'00'

Matt Nelson
Deputy Executive Administrator

c: Cheryl Bartlett, City of Nacogdoches
Brigit Buff, P.E., Plummer Associates, Inc
Jordan Skipwith, P.E. Freese and Nichols, Inc
Abigail Gardner, P.E., Freese and Nichols, Inc (Region C)
Lann Bookout, Water Supply Planning
Sarah Lee, Water Supply Planning
Nelun Fernando, Ph.D., Surface Water

Attachment 4

Memorandum of WAM Modifications

Summary of WAM Modifications in the Development of Surface Water Supplies for the East Texas 2026 Regional Water Plan

The Texas Water Development Board (TWDB) requires regional water planning groups (RWPG) to use Full Authorization Water Availability Models (WAM Run 3) maintained by the Texas Commission on Environmental Quality (TCEQ) in the development of surface water availability for regional water plans (RWPs). In a letter submitted to TWDB on October 13, 2023, the Region I Consultant Team on behalf of the East Texas Regional Water Planning Group (Region I) requested a hydrologic variance to use modified versions of the Run 3 WAMs for the Trinity River, Neches River, and Sabine River Basins to develop supplies for the Region I 2026 RWP. This hydrologic variance request was approved by TWDB on December 20, 2023.

For the Trinity River Basin, Region I adopted the updated Trinity Basin WAM developed by the Region C Water Planning Group. These changes are documented in Region C's hydrologic variance request to the TWDB. Region I also includes part of the Neches-Trinity Coastal Basin. As no changes were proposed by Region I to the Neches-Trinity WAM, surface water supplies in that basin were developed using the unmodified Neches-Trinity Coastal Basin WAM Run 3. This memorandum describes the modifications made to the Neches River and Sabine River WAMs by Region I.

For all major reservoirs in the Neches and Sabine River Basins, anticipated sedimentation rates and revised area-capacity rating curves were developed to estimate reservoir storage in future decades (2030 – 2080). Anticipated sedimentation rates, expressed in acre-feet per square mile per year, were estimated for each major reservoir based on actual sediment surveys (part of a volumetric survey), published sedimentation rates, or comparing changes in conservation pool capacity between two or more reservoir surveys. The reservoirs were sliced into incremental storage volumes based on elevation, then a uniform reduction was applied to the horizontal surface area of each slice. New storage volumes were then calculated for each increment and added together to calculate the total storage at each elevation. Two standard methods were used to calculate revised incremental storage volumes. The simplest assumes that each incremental volume can be represented as a trapezoid (trapezoidal method), while the other assumes that each incremental volume is a cross-section of a cone (conical method). The method with the best fit to the original rating curve data was used. The data utilized for calculating anticipated sedimentation rates and revised area-capacity rating curves are shown in Table 1 and Table 2 at the end of this document.

Neches River Basin WAM for the 2026 Region I RWP

Changes to the WAM for the 2026 RWP are based on changes in previous cycles, as well as the inclusion of updated sedimentation of major reservoirs, as specified by Exhibit C ("Second Amended General Guidelines for Sixth Cycle of Regional Water Plan Development"). The following sections describe all changes made to the TCEQ Neches WAM Run 3 (2021) to develop the modified Neches WAM, which will be used to determine existing supplies in the Neches River Basin in the Region I 2026 RWP.

Area-Capacity Relationships

Exhibit C requires RWPGs to include anticipated sedimentation of all major reservoirs (those with a capacity greater than 5,000 ac-ft) in the WAM model runs. There are 12 permitted major reservoirs in the Neches Basin; information related to the methodology utilized for calculating anticipated sedimentation rates and revised area-capacity rating curves for these reservoirs is shown in Table 1. The area-capacity-elevation data were determined for the 2030, 2050, and 2080 decades. This information was included in the Region I base WAM for each of these decades.

Lake Columbia has not yet been constructed, so to be conservative, Lake Columbia's full design capacity and original area-capacity curve were used when evaluating firm yields for all other reservoirs in the Neches Basin. The effect of sedimentation on Lake Columbia was assessed, assuming the reservoir would be built in 2030 and begin collecting sediment at that time.

Subordination of Sam Rayburn Reservoir and B. A. Steinhagen Lake

Background

Special conditions 5C and 5D of Certificate of Adjudication 06-4411 require subordination of LNVA's rights in the Rayburn-Steinhagen system to (a) water rights upstream of the proposed Weches and Ponta Dam sites and (b) intervening municipal rights above Sam Rayburn Reservoir. These conditions were last amended in Amendment H, filed August 14, 2008, and granted July 20, 2010, which limited subordination to rights with priority dates between November 1963 and April 2008.

Changes were implemented in the WAM related to dual simulation, output, and the refilling of Rayburn and Steinhagen including:

a) The 1963 rights for impoundment at Rayburn and Steinhagen were reordered so that Rayburn, the upstream reservoir, would be filled from available streamflow before refilling Steinhagen.

Reservoir System Operations

UNRMWA – Lake Palestine and Rocky Point Dam

The Upper Neches River Municipal Water Authority operates Lake Palestine in conjunction with Rocky Point Dam, a downstream diversion dam on the Neches River in Anderson and Cherokee Counties. Diversions associated with Rocky Point Dam draw from intervening flows between Lake Palestine and Rocky Point Dam, impounded water behind the dam, and downstream releases from Lake Palestine. To limit the impact on the yield of Lake Palestine in the Region I WAM, the Rocky Point diversions were modified so that they would first be backed up by the water made available by the subordination of Steinhagen Lake before making releases from Lake Palestine so that intervening flows would be fully used before making releases of stored Lake Palestine water. Any remaining shortages would be backed up by releases from Lake Palestine.

LNVA – Sam Rayburn Backup of Pine Island Bayou

Operation of LNVA's water rights was modeled as a system by including the backup of LNVA's Pine Island water rights with storage from Sam Rayburn. This was implemented as part of the water rights group 'R4411'.

Minimum Elevations – Sam Rayburn and B.A. Steinhagen

In previous plans, a minimum inactive pool below 149 msl was used for water supply evaluation. After discussions with LNVA, we did not use an inactive pool storage in Rayburn and Steinhagen. As a result, the firm water rights are 100% reliable.

Lake Tyler

For the 2026 Region I WAM, Lake Tyler was modeled as a single reservoir, and associated water rights were adjusted accordingly. This is consistent with the development of the original Neches WAM, which treated this source as one reservoir.

City of Beaumont

Available supply was evaluated based on daily time-step analysis based on historical data from October 1951 to December 2022. The City of Beaumont is the only major municipal water user with a run-of-river water right. Other

major users that receive water from run-of-river water rights either purchase water from the Lower Neches Valley Authority (LNVA) or use saline water. The purchased run-of-the-river water is backed up by stored water that is owned and operated by LNVA, making this supply less vulnerable to drought. This approach was applied in the development of supplies for the 2021 East Texas Regional Water Plan.

Sabine River Basin WAM for the 2026 Region I RWP

The following sections describe all changes made to the TCEQ Sabine WAM Run 3 (2012) to develop the modified Sabine WAM, which will be used to determine existing supplies from the Sabine River Basin in the Region I 2026 RWP.

Area-Capacity Relationships

Exhibit C requires RWPGs to include anticipated sedimentation of all major reservoirs (those with a capacity greater than 5,000 ac-ft) in the WAM model runs. There are 12 such permitted reservoirs in the Sabine Basin; information related to the methodology utilized for calculating anticipated sedimentation rates and revised area-capacity rating curves for these reservoirs is shown in Table 2. The area-capacity-elevation data were determined for the 2030, 2050, and 2080 decades. This information was included in the Region I base WAM for each of these decades.

Firm Yield of Toledo Bend Reservoir

The Sabine River Authority (SRA) has a right to divert up to 970,067 acre-feet per year from Toledo Bend. Of that amount, 220,067 ac-ft of water can be diverted when hydropower generation is turned off as per Certificate of Adjudication (CoA) 4658B. If hydropower is being used, the total amount is 945,650 acre-feet per year. Hydropower operations were included in the evaluation of supplies for all reservoirs and run of river supplies. The yield of Toledo Bend was evaluated assuming all diversions were taken lakeside, after passing water for SRA's downstream senior run-of-the-river rights and hydropower generation. Within the WAM, all diversions from the lake are shared equally between SRA-Texas and SRA-Louisiana.

Table 1. Sedimentation Rates and Projected Storage Capacity of Major Reservoirs in the Neches River Basin

Reservoir	Most Recent Survey		2026 Sedimentation Rate (ac-ft/yr/ mi^2)	Source of Sedimentation Rate	Sediment-Contributing Drainage Area (mi^2)	Projected 2030 Capacity (ac-ft)	Projected 2080 Capacity (ac-ft)
	Year	Conservation Pool Capacity (ac-ft)					
Lake Athens	2016	29,475	4.35	TWDB Volumetric Survey-Derived Sedimentation Rate (2016)	22	26,449	21,679
Lake Columbia**	*	195,500	0.19	TBWE Bulletin 5912	277	195,500	192,910
Lake Jacksonville	2006	25,732	2.88	TWDB Volumetric Survey-Derived Sedimentation Rate (2006)	34	23,420	18,532
Lake Kurth	1996	14,769	8.57	TWDB Volumetric Survey-Derived Sedimentation Rate (1996)	4	13,636	11,923
Lake Nacogdoches	1994	39,523	1.75	TWDB Volumetric Survey-Derived Sedimentation Rate (1994)	89	33,929	26,115
Lake Naconiche	*	9,072	0.19	TBWE Bulletin 5912	27	8,953	8,699
Lake Palestine	2012	367,310	0.76	TWDB Published Sedimentation Rate (2012)	817	356,531	325,482
Pinkston Lake	*	7,380	0.19	TBWE Bulletin 5912	14	7,237	7,104
Sam Rayburn Reservoir	2004	2,876,033	0.18	TWDB Volumetric Survey-Derived Sedimentation Rates (2004)	3,010	2,861,827	2,834,167
Lake B. A. Steinhagen	2011	69,259	0.06	TWDB Published Sedimentation Rate (2011)	3,251	65,971	56,921
Lake Striker	2021	21,799	0.62	TWDB Volumetric Survey-Derived Sedimentation Rates (2021)	182	20,813	15,184
Lake Tyler	2013	77,284	1.00	TWDB Published Sedimentation Rate (2013)	45	75,472	70,122

** No survey available. Conservation pool capacity reflects design capacity.*

*** Permitted but not yet constructed.*

Table 2. Sedimentation Rates and Projected Storage Capacity of Major Reservoirs in the Sabine River Basin

Reservoir	Most Recent Survey		2026 Sedimentation Rate (ac-ft/yr/ mi^2)	Source of Sedimentation Rate	Sediment-Contributing Drainage Area (mi^2)	Projected 2030 Capacity (ac-ft)	Projected 2080 Capacity (ac-ft)
	Year	Conservation Pool Capacity (ac-ft)					
Lake Tawakoni	2009	871,693	1.75	TWDB Published Sedimentation Rate (2009)	756	844,627	778,513
Lake Fork Reservoir	2009	636,504	2.69	TWDB Published Sedimentation Rate (2009)	493	609,572	543,216
Lake Gladewater	2000	4,738	1.33	TWDB Volumetric Survey Derived Sedimentation Rate (2000)	35	3,345	1,017
Lake Cherokee	2015	44,475	0.47	TWDB Published Sedimentation Rate (2015)	158	44,553	40,930
Brandy Branch Reservoir	*	29,513	0.24	TBWE Bulletin 5912	4.1	29,467	29,419
Martin Lake	2014	75,726	0.37	TWDB Volumetric Survey Derived Sedimentation Rate (2014)	130	74,996	72,622
Murvaul Lake	1998	38,284	1.64	TWDB Published Sedimentation Rate (1998)	115	32,418	22,988
Toledo Bend Reservoir	*	4,477,000	0.12	Comprehensive Sabine Watershed Management Plan (1999)	5,384	4,436,134	4,403,831
Lake Hawkins	1962	11,890	0.24	TBWE Bulletin 5912	30	11,405	11,045
Lake Holbrook	*	7,990	0.24	TBWE Bulletin 5912	15	7,748	7,568
Lake Quitman	*	7,440	0.24	TBWE Bulletin 5912	31	6,937	6,565
Lake Winnsboro	*	8,100	0.24	TBWE Bulletin 5912	27	7,662	7,338

** No recent survey available. Conservation pool capacity reflects design capacity.*

References

Freese and Nichols, Inc., Brown and Root, Inc., and LGB-Guyton Associates. (December 1999). Comprehensive Sabine Watershed Management Plan. Prepared for Sabine River Authority of Texas in conjunction with the Texas Water Development Board.

Soil Conservation Service, U.S. Department of Agriculture. (January 1959). Bulletin 5912. Inventory and Use of Sedimentation data in Texas. Prepared for the Texas Board of Water Engineers.

Texas Commission on Environmental Quality. Water Availability Models. Data retrieved October 2023 from: https://www.tceq.texas.gov/permitting/water_rights/wr_technical-resources/wam.html

Texas Water Development Board. Volumetric and Sedimentation Surveys of Surface Water. Data retrieved November 2023 from: <https://www.twdb.texas.gov/surfacewater/surveys/completed/list/index.asp>

Attachment 5

Hydrologic Models

Model Information					Execution			
Modified Model Root File Name	Run 3 Version Date	Description	EA Approval Date	DB27 Source Name	Model	Model Version	Modeler	Date
Neches-Trinity Basin								
NT3	10/1/2023	In Progress	n/a	Neches-Trinity Run-of-River	WRAP	2021	FNI	1/30/2023
Trinity Basin								
Modeling in progress by Region C. Results pending.								
Neches Basin								
neches3_ROR	10/1/2023	Modified Neches WAM	Pending	Neches Run-of-River	WRAP	2021	FNI	11/13/2023
neches3_2030_[Reservoir Name]	10/1/2023	Modifed Neches WAM Run 3; Reservoir conditions reflect sedimentation for 2030	Pending	Athens Lake/Reservoir Jacksonville Lake/Reservoir Nacogdoches Lake/Reservoir Tyler Lake/Reservoir* Columbia Lake/Reservoir Kurth Lake/Reservoir Striker Lake/Reservoir Palestine Lake/Reservoir* Sam Rayburn-Steinhagen	WRAP	2021	FNI	1/30/2023
neches3_2050_[Reservoir Name]	10/1/2023	Modifed Neches WAM Run 3; Reservoir conditions reflect sedimentation for 2050	Pending					
neches3_2080_[Reservoir Name]	10/1/2023	Modifed Neches WAM Run 3; Reservoir conditions reflect sedimentation for 2080	Pending					
Sabine Basin								
sabine3_ROR	10/1/2023	Modified Sabine WAM	Pending	Sabine Run-of-River	WRAP	2021	FNI	12/14/2023
sabine3_2030_[Reservoir Name]	10/1/2023	Modifed Sabine WAM Run 3; Reservoir conditions reflect sedimentation for 2030	Pending	Cherokee Lake/Reservoir* Martin Lake/Reservoir Murvaul Lake/Reservoir* Toledo Bend Lake/Reservoir* Center Lake/Reservoir	WRAP	2021	FNI	1/30/2024
sabine3_2050_[Reservoir Name]	10/1/2023	Modifed Sabine WAM Run 3; Reservoir conditions reflect sedimentation for 2050	Pending		WRAP	2021	FNI	
sabine3_2080_[Reservoir Name]	10/1/2023	Modifed Sabine WAM Run 3; Reservoir conditions reflect sedimentation for 2080	Pending		WRAP	2021	FNI	

* Reservoir firm yield in 2040 was estimated by interpolating the firm yields between years 2030 and 2050; reservoir firm yields from 2060-2070 were estimated by interpolating the firm yields between years 2050 and 2080. For all other reservoirs firm yields in years 2040-2070 were estimated by interpolating between the years 2030 and 2080.

Attachment 6

Groundwater Availability

AGS
Advanced Groundwater Solutions, LLC
www.advancedgw.com

Technical Memorandum

TO: Brigit Buff, Plummer Associates
East Texas Regional Water Planning Group

FROM: Andrew Donnelly, P.G. and James Beach, P.G.

SUBJECT: Recommended Updates to Region I Non-MAG Groundwater Availability

DATE: January 23, 2024

For planning purposes, the total source groundwater availability is the sum of Modeled Available Groundwater (MAGs) and Non-MAG groundwater availability. MAGs are developed by the TWDB based on the Desired Future Conditions (DFCs) determined by the Groundwater Management Areas (GMAs) and cannot be modified by Region I for Regional Water Planning purposes. Non-MAG availabilities include the availability in aquifers designated as non-relevant by GMAs as well as the groundwater availability in "other" aquifers. Other aquifers are generally local aquifers that have not be designated by the TWDB as major or minor aquifers. These "other" aquifers may include numerous water-bearing units in undifferentiated deposits and may be important locally and therefore have non-MAG groundwater availability defined for regional water planning purposes.

This memo summarizes the non-MAG groundwater availability within Region I and two recommended changes to the non-MAG groundwater availability. The methodology used to derive the recommended change to the non-MAG groundwater availability are described below.

Aquifers declared non-relevant by GMAs for this planning cycle are as follows:

GMA 11

- Gulf Coast Aquifer System in Sabine County
- Yegua-Jackson Aquifer

GMA 14

- Gulf Coast Aquifer System (Catahoula Formation) in Polk County
- Yegua-Jackson Aquifer

The current non-MAG availabilities for this planning cycle are shown in Table 1. Also shown in Table 1 are the availabilities from the previous (2022) planning cycle and the increase or decrease from the previous cycle's availabilities. Note that because the planning period for the previous planning cycle did not extend past 2070, and availabilities for the current plan begin in 2030, only the availabilities for 2030 through 2070 are included for the comparison to the previous planning cycle in Table 1. As shown in Table 1, none of the non-MAG availabilities have changed from the previous planning cycle. The current total non-MAG availability for Region I is 39,802 ac-ft/yr in 2030, decreasing to 39,419 ac-ft/yr in 2070. Of this total, 8,552 ac-ft/yr is groundwater availability for "other" aquifers.

As noted above, none of the non-MAG availabilities changed from the last planning cycle. However, we reviewed the historic pumping estimates from the Texas Water Development Board water use survey in each county as a comparison to the non-MAG availabilities to assess if the non-MAG groundwater availability may need to be increased to meet historic groundwater production from these aquifers. Our review of the historic groundwater pumping estimates indicated that a change to the non-MAG availability is warranted as described below.

- Yegua-Jackson Aquifer in Jasper County/Neches Basin- The entire Yegua-Jackson Aquifer was declared non-relevant by GMA 14 due to its limited extent, limited use, and hydrologic isolation from the Gulf Coast Aquifer System. The current availability is 0 ac-ft/yr, and there was no source groundwater availability defined in the previous planning cycle. Historic pumping data from the Texas Water Development Board water use survey indicates that between approximately 300 and 400 ac-ft/yr of municipal pumping has occurred from the Yegua-Jackson Aquifer since 2013. Municipal users of groundwater from the Yegua-Jackson Aquifer in Jasper County include Brookeland Fresh Water Supply District and Rayburn Country Municipal Utility District. Based on these groundwater use estimates, we recommend increasing the non-MAG availability to 600 ac-ft/yr for Jasper County/Neches Basin. Because the Yegua-Jackson Aquifer has been declared non-relevant by both GMA 11 and GMA 14, there are no desired future conditions that will be impacted by the inclusion of this non-MAG groundwater availability in Jasper County.
- "Other" Aquifer in Sabine County/Neches Basin- All "other" aquifers have non-MAG availabilities. The current availability in "other" aquifers in Sabine County is 336 ac-ft/yr, all of which is in the Sabine basin. However, this groundwater is used to meet demands in the Neches basin only. Region I recommends that the 336 ac-ft/yr of availability in "other" aquifers in Sabine County be moved from the Sabine to the Naches basin.

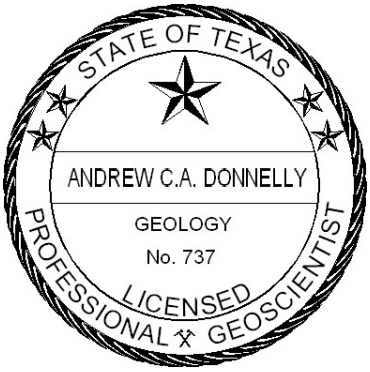
Note that the non-MAG groundwater availability shown in Table 1 reflect these recommended changes.

Summary

The East Texas Regional Water Planning Group has proposed to change the non-MAG availabilities in the Yegua-Jackson Aquifer in Jasper County/Neches Basin from 0 to 600 ac-ft/yr. This change is recommended due to the historic municipal pumping that has occurred from the Yegua-Jackson in Jasper County for the past ten years. The region also recommends moving the 336 ac-ft/yr of availability in "other" aquifers in Sabine County from the Sabine basin to the Neches basin. This change is based on the location of the demand using "other" aquifers as a supply.

Advanced Groundwater Solutions, LLC
www.advancedgw.com

Geoscientist's Seal:



The seal appearing on this document was authorized by Andrew C.A. Donnelly, P.G. 737 on 1/23/2024.
Advanced Groundwater Solutions, LLC
TBPG Firm Registration No. 50639

Table 1. Summary of non-MAG groundwater availability in Region I

Aquifer Name	County	Basin	2030 Non-MAG Availability (ac-ft/yr)				2070 Non-MAG Availability (ac-ft/yr)			
			2022 Total Availability	2027 Total Availability	Difference	Percent Change	2022 Total Availability	2027 Total Availability	Difference	Percent Change
Gulf Coast Aquifer System	Sabine	Sabine	NA	0	0	0.0%	NA	0	0	0.0%
Gulf Coast Aquifer System	Polk	Neches	1,060	1,060	0	0.0%	1,060	1,060	0	0.0%
Other Aquifer	Anderson	Trinity	298	298	0	0.0%	298	298	0	0.0%
Other Aquifer	Angelina	Neches	812	812	0	0.0%	812	812	0	0.0%
Other Aquifer	Cherokee	Neches	268	268	0	0.0%	268	268	0	0.0%
Other Aquifer	Henderson	Neches	5	5	0	0.0%	5	5	0	0.0%
Other Aquifer	Henderson	Trinity	680	680	0	0.0%	680	680	0	0.0%
Other Aquifer	Houston	Neches	378	378	0	0.0%	378	378	0	0.0%
Other Aquifer	Houston	Trinity	888	888	0	0.0%	888	888	0	0.0%
Other Aquifer	Nacogdoches	Neches	1,131	1,131	0	0.0%	1,131	1,131	0	0.0%
Other Aquifer	Rusk	Neches	270	270	0	0.0%	270	270	0	0.0%
Other Aquifer	Rusk	Sabine	469	469	0	0.0%	469	469	0	0.0%
Other Aquifer	Sabine	Neches	336	336	0	0.0%	336	336	0	0.0%
Other Aquifer	San Augustine	Neches	1,395	1,395	0	0.0%	1,395	1,395	0	0.0%
Other Aquifer	Smith	Neches	922	922	0	0.0%	922	922	0	0.0%
Other Aquifer	Trinity	Neches	700	700	0	0.0%	700	700	0	0.0%
Yegua-Jackson Aquifer	Angelina	Neches	16,890	16,890	0	0.0%	16,507	16,507	0	0.0%
Yegua-Jackson Aquifer	Houston	Neches	1,324	1,324	0	0.0%	1,324	1,324	0	0.0%
Yegua-Jackson Aquifer	Houston	Trinity	4,061	4,061	0	0.0%	4,061	4,061	0	0.0%
Yegua-Jackson Aquifer	Jasper	Neches	NA	600	0	0.0%	NA	600	0	0.0%
Yegua-Jackson Aquifer	Nacogdoches	Neches	235	235	0	0.0%	235	235	0	0.0%
Yegua-Jackson Aquifer	Newton	Neches	NA	0	0	0.0%	NA	0	0	0.0%
Yegua-Jackson Aquifer	Newton	Sabine	NA	0	0	0.0%	NA	0	0	0.0%
Yegua-Jackson Aquifer	Polk	Neches	570	570	0	0.0%	570	570	0	0.0%
Yegua-Jackson Aquifer	Sabine	Neches	3,724	3,724	0	0.0%	3,724	3,724	0	0.0%
Yegua-Jackson Aquifer	Sabine	Sabine	575	575	0	0.0%	575	575	0	0.0%
Yegua-Jackson Aquifer	San Augustine	Neches	2,102	2,102	0	0.0%	2,102	2,102	0	0.0%
Yegua-Jackson Aquifer	San Augustine	Sabine	9	9	0	0.0%	9	9	0	0.0%
Yegua-Jackson Aquifer	Trinity	Neches	700	700	0	0.0%	700	700	0	0.0%
Yegua-Jackson Aquifer	Tyler	Neches	NA	0	0	0.0%	NA	0	0	0.0%

NA - No availability in 2022 water plan

Groundwater Availability Methodologies Utilized by RWPG as of January 2024

2026 Region I Regional Water Plan

Source Name	County	Basin	Methodology/Comments
Carrizo-Wilcox Aquifer	Anderson	Neches	GAM Run: GR21-016_MAG
Carrizo-Wilcox Aquifer	Anderson	Trinity	GAM Run: GR21-016_MAG
Carrizo-Wilcox Aquifer	Angelina	Neches	GAM Run: GR21-016_MAG
Carrizo-Wilcox Aquifer	Cherokee	Neches	GAM Run: GR21-016_MAG
Carrizo-Wilcox Aquifer	Henderson	Neches	GAM Run: GR21-016_MAG
Carrizo-Wilcox Aquifer	Houston	Neches	GAM Run: GR21-016_MAG
Carrizo-Wilcox Aquifer	Houston	Trinity	GAM Run: GR21-016_MAG
Carrizo-Wilcox Aquifer	Nacogdoches	Neches	GAM Run: GR21-016_MAG
Carrizo-Wilcox Aquifer	Panola	Cypress	GAM Run: GR21-016_MAG
Carrizo-Wilcox Aquifer	Panola	Sabine	GAM Run: GR21-016_MAG
Carrizo-Wilcox Aquifer	Rusk	Neches	GAM Run: GR21-016_MAG
Carrizo-Wilcox Aquifer	Rusk	Sabine	GAM Run: GR21-016_MAG
Carrizo-Wilcox Aquifer	Sabine	Neches	GAM Run: GR21-016_MAG
Carrizo-Wilcox Aquifer	Sabine	Sabine	GAM Run: GR21-016_MAG
Carrizo-Wilcox Aquifer	San Augustine	Neches	GAM Run: GR21-016_MAG
Carrizo-Wilcox Aquifer	San Augustine	Sabine	GAM Run: GR21-016_MAG
Carrizo-Wilcox Aquifer	Shelby	Neches	GAM Run: GR21-016_MAG
Carrizo-Wilcox Aquifer	Shelby	Sabine	GAM Run: GR21-016_MAG
Carrizo-Wilcox Aquifer	Smith	Neches	GAM Run: GR21-016_MAG
Carrizo-Wilcox Aquifer	Trinity	Neches	GAM Run: GR21-016_MAG
Gulf Coast Aquifer System	Sabine	Sabine	No availability
Gulf Coast Aquifer System	Hardin	Neches	GAM Run: GR21-019_MAG
Gulf Coast Aquifer System	Hardin	Trinity	GAM Run: GR21-019_MAG
Gulf Coast Aquifer System	Jasper	Neches	GAM Run: GR21-019_MAG
Gulf Coast Aquifer System	Jasper	Sabine	GAM Run: GR21-019_MAG
Gulf Coast Aquifer System	Newton	Sabine	GAM Run: GR21-019_MAG
Gulf Coast Aquifer System	Polk	Neches	GAM Run: GR21-019_MAG
Gulf Coast Aquifer System	Tyler	Neches	GAM Run: GR21-019_MAG
Gulf Coast Aquifer System	Polk	Neches	Total availability values of 1,060 acre-feet/year are from RWP22 database with source description based on Robert Bradley's analysis of the number of wells in the TWDB Groundwater Database.
Gulf Coast Aquifer System	Jefferson	Neches	GAM Run: GR21-019_MAG
Gulf Coast Aquifer System	Jefferson	Neches-Trinity	GAM Run: GR21-019_MAG
Gulf Coast Aquifer System	Orange	Neches	GAM Run: GR21-019_MAG
Gulf Coast Aquifer System	Orange	Neches-Trinity	GAM Run: GR21-019_MAG
Gulf Coast Aquifer System	Orange	Sabine	GAM Run: GR21-019_MAG
Gulf Coast Aquifer System	Newton	Neches	GAM Run: GR21-019_MAG
Other Aquifer	Anderson	Trinity	Total availability values of 298 acre-feet/year are from RWP22 database with no source description.
Other Aquifer	Angelina	Neches	Total availability values of 812 acre-feet/year are from RWP22 database with no source description.
Other Aquifer	Cherokee	Neches	Total availability values of 268 acre-feet/year are from RWP22 database with no source description.
Other Aquifer	Henderson	Neches	Total availability values of 5 acre-feet/year are from RWP22 database with no source description.
Other Aquifer	Henderson	Trinity	Total availability values of 680 acre-feet/year are from RWP22 database with no source description.
Other Aquifer	Houston	Neches	Total availability values of 378 acre-feet/year are from RWP22 database with no source description.
Other Aquifer	Houston	Trinity	Total availability values of 888 acre-feet/year are from RWP22 database with no source description.
Other Aquifer	Nacogdoches	Neches	Total availability values of 1,131 acre-feet/year are from RWP22 database with no source description.
Other Aquifer	Rusk	Neches	Total availability values of 270 acre-feet/year are from RWP22 database with no source description.
Other Aquifer	Rusk	Sabine	Total availability values of 469 acre-feet/year are from RWP22 database with no source description.
Other Aquifer	Sabine	Sabine	Total availability values of 336 acre-feet/year are from RWP22 database with no source description.
Other Aquifer	San Augustine	Neches	Total availability values of 1,395 acre-feet/year are from RWP22 database with no source description.
Other Aquifer	Smith	Neches	Total availability values of 922 acre-feet/year are from RWP22 database with no source description.
Other Aquifer	Trinity	Neches	Total availability values of 700 acre-feet/year are from RWP22 database with no source description.
Queen City Aquifer	Anderson	Neches	GAM Run: GR21-016_MAG
Queen City Aquifer	Anderson	Trinity	GAM Run: GR21-016_MAG
Queen City Aquifer	Angelina	Neches	GAM Run: GR21-016_MAG
Queen City Aquifer	Cherokee	Neches	GAM Run: GR21-016_MAG
Queen City Aquifer	Henderson	Neches	GAM Run: GR21-016_MAG
Queen City Aquifer	Houston	Neches	GAM Run: GR21-016_MAG
Queen City Aquifer	Houston	Trinity	GAM Run: GR21-016_MAG
Queen City Aquifer	Nacogdoches	Neches	GAM Run: GR21-016_MAG
Queen City Aquifer	Rusk	Neches	GAM Run: GR21-016_MAG
Queen City Aquifer	Rusk	Sabine	GAM Run: GR21-016_MAG
Queen City Aquifer	Sabine	Neches	GAM Run: GR21-016_MAG
Queen City Aquifer	Sabine	Sabine	GAM Run: GR21-016_MAG
Queen City Aquifer	San Augustine	Neches	GAM Run: GR21-016_MAG
Queen City Aquifer	Shelby	Sabine	GAM Run: GR21-016_MAG
Queen City Aquifer	Smith	Neches	GAM Run: GR21-016_MAG
Queen City Aquifer	Trinity	Neches	GAM Run: GR21-016_MAG
Sparta Aquifer	Anderson	Neches	GAM Run: GR21-016_MAG
Sparta Aquifer	Anderson	Trinity	GAM Run: GR21-016_MAG
Sparta Aquifer	Angelina	Neches	GAM Run: GR21-016_MAG
Sparta Aquifer	Cherokee	Neches	GAM Run: GR21-016_MAG
Sparta Aquifer	Houston	Neches	GAM Run: GR21-016_MAG
Sparta Aquifer	Houston	Trinity	GAM Run: GR21-016_MAG
Sparta Aquifer	Nacogdoches	Neches	GAM Run: GR21-016_MAG
Sparta Aquifer	Rusk	Neches	GAM Run: GR21-016_MAG
Sparta Aquifer	Sabine	Neches	GAM Run: GR21-016_MAG
Sparta Aquifer	Sabine	Sabine	GAM Run: GR21-016_MAG
Sparta Aquifer	San Augustine	Neches	GAM Run: GR21-016_MAG

Groundwater Availability Methodologies Utilized by RWPG as of January 2024

2026 Region I Regional Water Plan

Source Name	County	Basin	Methodology/Comments
Sparta Aquifer	San Augustine	Sabine	GAM Run: GR21-016_MAG
Sparta Aquifer	Shelby	Sabine	GAM Run: GR21-016_MAG
Sparta Aquifer	Smith	Neches	GAM Run: GR21-016_MAG
Sparta Aquifer	Trinity	Neches	GAM Run: GR21-016_MAG
Yegua-Jackson Aquifer	Angelina	Neches	Total availability values of 16,890 acre-feet/year are from RWP22 database with no source description.
Yegua-Jackson Aquifer	Houston	Neches	Total availability values of 1,324 acre-feet/year are from RWP22 database with no source description.
Yegua-Jackson Aquifer	Houston	Trinity	Total availability values of 4,061 acre-feet/year are from RWP22 database with no source description.
Yegua-Jackson Aquifer	Jasper	Neches	Total availability values of 600 acre-feet/year are based on attached memo.
Yegua-Jackson Aquifer	Nacogdoches	Neches	Total availability values of 235 acre-feet/year are from RWP22 database with no source description.
Yegua-Jackson Aquifer	Newton	Neches	No availability
Yegua-Jackson Aquifer	Newton	Sabine	No availability
Yegua-Jackson Aquifer	Polk	Neches	Total availability values of 570 acre-feet/year are from RWP22 database with source description based on splitting availability 65% to Catahoula Formation and 35% to Yegua-Jackson Aquifer.
Yegua-Jackson Aquifer	Sabine	Neches	Total availability values of 3,724 acre-feet/year are from RWP22 database with no source description.
Yegua-Jackson Aquifer	Sabine	Sabine	Total availability values of 575 acre-feet/year are from RWP22 database with no source description.
Yegua-Jackson Aquifer	San Augustine	Neches	Total availability values of 2,102 acre-feet/year are from RWP22 database with no source description.
Yegua-Jackson Aquifer	San Augustine	Sabine	Total availability values of 9 acre-feet/year are from RWP22 database with no source description.
Yegua-Jackson Aquifer	Trinity	Neches	Total availability values of 700 acre-feet/year are from RWP22 database with no source description.
Yegua-Jackson Aquifer	Tyler	Neches	No availability

Attachment 7

Interregional Coordination

PLUMMER

MEMORANDUM

Project Name:	**Interregional Coordination**
Project No:	1600-004-01
Date:	January 30, 2024
Prepared For:	East Texas Regional Water Planning Group
Prepared By:	Qiwen Zhang, PE, Plummer Associates, Inc. Brigit Buff, PE, Plummer Associates, Inc.
Cc:	Jordan Skipwith, PE, Freese & Nichols

This memorandum outlines the interregional coordination efforts undertaken by the East Texas Regional Water Planning Area (ETRWPA or Region I) for the development of the 2026 Regional Water Plan (2026 Plan). The Region I Regional Water Planning Group (RWPG) and its Technical Consultants have actively collaborated with the Texas Water Development Board (TWDB), chairs of all Regional Water Planning Groups (RWGPs), neighboring regions (including Regions C, D, and H), and Groundwater Management Areas (GMAs) overlapping with Region I. The coordinated efforts encompass:

- Participation in various interregional activities, such as liaisons, Interregional Planning Council meetings, and RWPG Chair Conference Calls organized by the TWDB.
- Participated in key meetings, addressing issues like projections, modeling, water supply overallocation, and specific challenges.
- Collaborated on data exchange, draft projections, and coordinated calls for data consistency.
- Actively engaged in GMAs.

The subsequent sections provide details on the interregional coordination efforts.

GENERAL REGIONAL COORDINATION

The Region I RWPG has actively facilitated regional coordination throughout the development of the 2026 RWP. Notably, every Region I Water Planning Meeting features an agenda item dedicated to reporting adjoining regions' activities. Additionally, Kelly Holcomb, serving as the Interregional Liaison, provides updates on the Interregional Planning Council in each meeting. The updates from other interregional liaisons, including Region C's David Montagne, Region D's John McFarland, Region H's Scott Hall, and Interregional Liaison Kelley Holcomb, are also regularly shared. All meeting agendas and materials are accessible on the Region I website: https://www.etexwaterplan.org/documents/.

Furthermore, Region I RWPG Chair John Martin actively engages in the Chairs Conference Calls organized by the TWDB, fostering collaboration among the chairs of all 16 regional planning groups and TWDB representatives.

REGION C

Technical Consultant team members from Region I attended the following Region C Regional Water

Planning Group (RWPG) Meetings:

- 11/1/2021 – 6th Cycle Pre-planning Meeting
- 5/23/2022
- 11/7/2022
- 5/23/2023 - Major Water Provider Projections
- 5/24/2023 - Major Water Provider Projections
- 6/12/2023
- 7/17/2023
- 11/6/2023

The Technical Consultant teams from Region I and Region C also participated in the following coordination activities:

- February 2023: Coordinated with consultant team regarding coordination efforts with WUGs split between Regions C and I.
- March 2023: Coordinated with consultant team regarding 2027 WUG projections for 0.5 and 1.0 migration scenarios.
- May-June 2023: Region C and I consultant teams met with the City of Athens (WUG in both Regions C/I) and Athens Municipal Water Authority (supplies serve Regions C/I) to discuss draft population and demand projections and other relevant questions to the 2026 RWP. The consultant teams coordinated with these entities to develop revised draft population projections for Athens.
- June-July 2023: Exchanged revised draft population and demand projections for 2027 WUGs recommended by the Region C and East Texas RWPGs to ensure consistency.
- October 2023: Coordinated with consultant team regarding surface water availability modeling in the Trinity River Basin (shared between Region I/C).
- November 2023: 11/8/2023 Subconsultant Coordination Call.

One of the Region I Technical Consultants, Plummer Associates, participated in an internal Interregional Coordination Workshop on 11/27/2023.

REGION D

The Technical Consultant team members from Region I attended the following Region D Regional Water Planning Group (RWPG) Meetings:

- Region I/D Interregional Coordination Meeting on 10/27/2023.

The Technical Consultant teams from Region I and Region D also participated in the following coordination activities:

- February 2023: Coordinated with consultant team regarding coordination efforts with WUGs split between Regions D and I.
- March 2023: Coordinated with consultant team regarding 2027 WUG projections for 0.5 and 1.0 migration scenarios.
- May 2023: Provided relevant survey response data received from Region I WUGs to Region D consultant team.
- June-July 2023: Exchanged revised draft population and demand projections for 2027 WUGs recommended by the Region D and East Texas RWPGs to ensure consistency.
- August 2023: Regional Water Database Data Entry Coordination Call with Texas Water

Development Board on 8/28/2023.

- October 2023: Met with consultant team to discuss surface water availability modeling in the Sabine River Basin (shared between Region I/D) and Technical Memorandum content schedule.
- December 2023: Met with consultant team to discuss updates on surface water availability modeling in the Sabine River Basin. Shared relevant modeling files, as necessary, to ensure consistency.
- January 2024: Coordinated with consultant team regarding surface water availability modeling results in the Sabine River Basin.
- January 2024: The Region I technical consultant sent an email to the Region D technical consultant to resolve the Region I water supply source overallocation issue on 1/25/2024.

REGION H

The Technical Consultant teams from Region I and Region H also participated in the following coordination activities:

- February 2023: Coordinated with consultant team regarding coordination efforts with WUGs split between Regions H and I.
- March 2023: Coordinated with consultant team regarding 2027 WUG projections for 0.5 and 1.0 migration scenarios.
- May 2023: Provided relevant survey response data received from Region I WUGs to Region H consultant team.
- June-July 2023: Exchanged revised draft population and demand projections for 2027 WUGs recommended by the Region H and East Texas RWPGs to ensure consistency.
- October 2023: Region I/H Interregional Coordination Call on 10/27/23.
- November 2023: Coordinated with consultant team regarding surface water availability modeling in the Neches-Trinity Coastal River Basin (shared between Region I/H).
- January 2024: The Region I technical consultant worked with Region D technical consultant to resolve Region I water supply source overallocation issue via emails on 1/25/2024.

GROUNDWATER MANAGEMENT AREAS

Region I overlaps with GMA 11 and GMA 12, as shown in Figure 1. Notably, two RWPG members actively participate in GMAs: John Martin, i.e., the RWPG chair, is the Chairman of the GMA 14, and John McFarland, a voting member of the RWPG, is the Board Member of GMA 11 and the General Manager of Pineywoods Groundwater Conservation District. The Technical Consultant team members from Region I also attended the following GMA 14 meetings on the dates mentioned below:

- 1/20/2021
- 2/24/2021
- 4/9/2021
- 1/5/2022
- 3/7/2023
- 11/15/2023

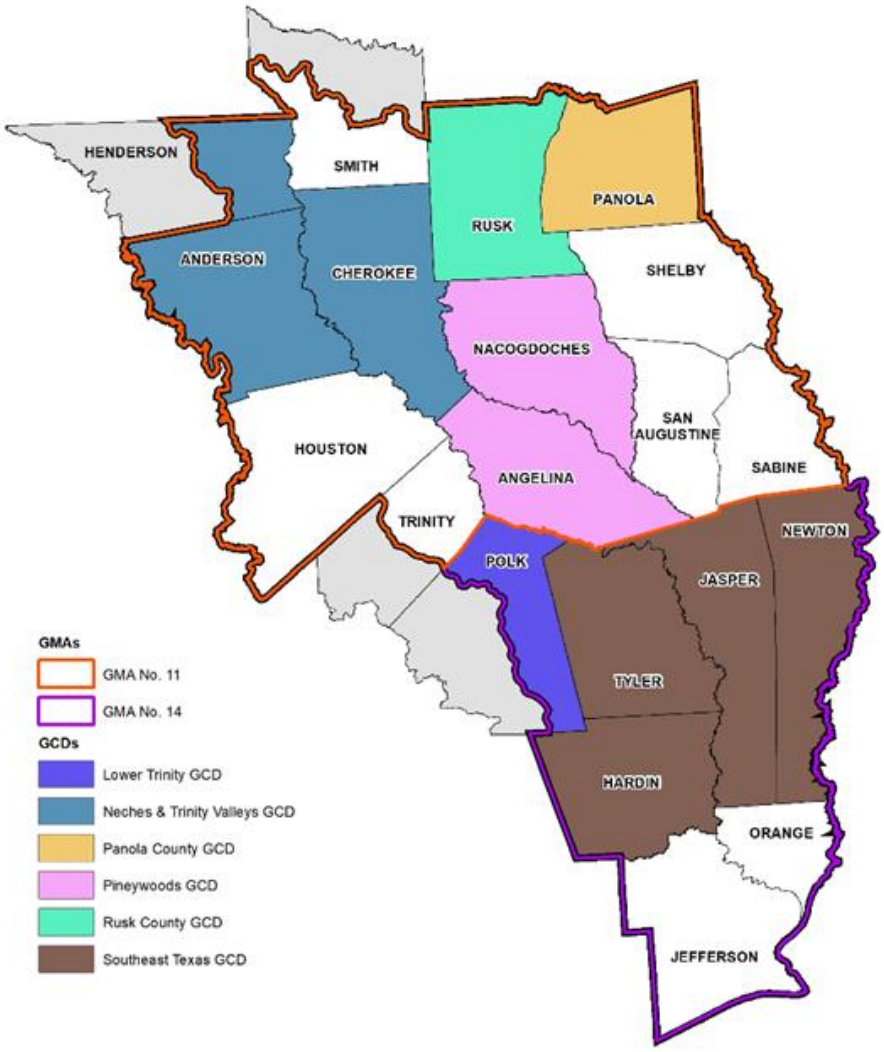


Figure 1. GMAs in Region I

Attachment 8

Infeasible Water Management Strategies (WMSs)

PLUMMER

MEMORANDUM

Project Name: **Status of Infeasible Water Management Strategies in Region I**

Project No: 1600-004-01

Date: January 15, 2024

Prepared For: East Texas Regional Water Planning Group

Prepared By: Qiwen Zhang, PE, Plummer Associates, Inc.
Brigit Buff, PE, Plummer Associates, Inc.

Cc:

The East Texas Regional Water Planning Group (ETRWPG) confirms that there is no Infeasible Water Management Strategies (WMS) in East Texas Regional Water Planning Area (ETRWPA or Region I) from the 2021 Regional Water Plan (2021 Plan).

Attachment 9

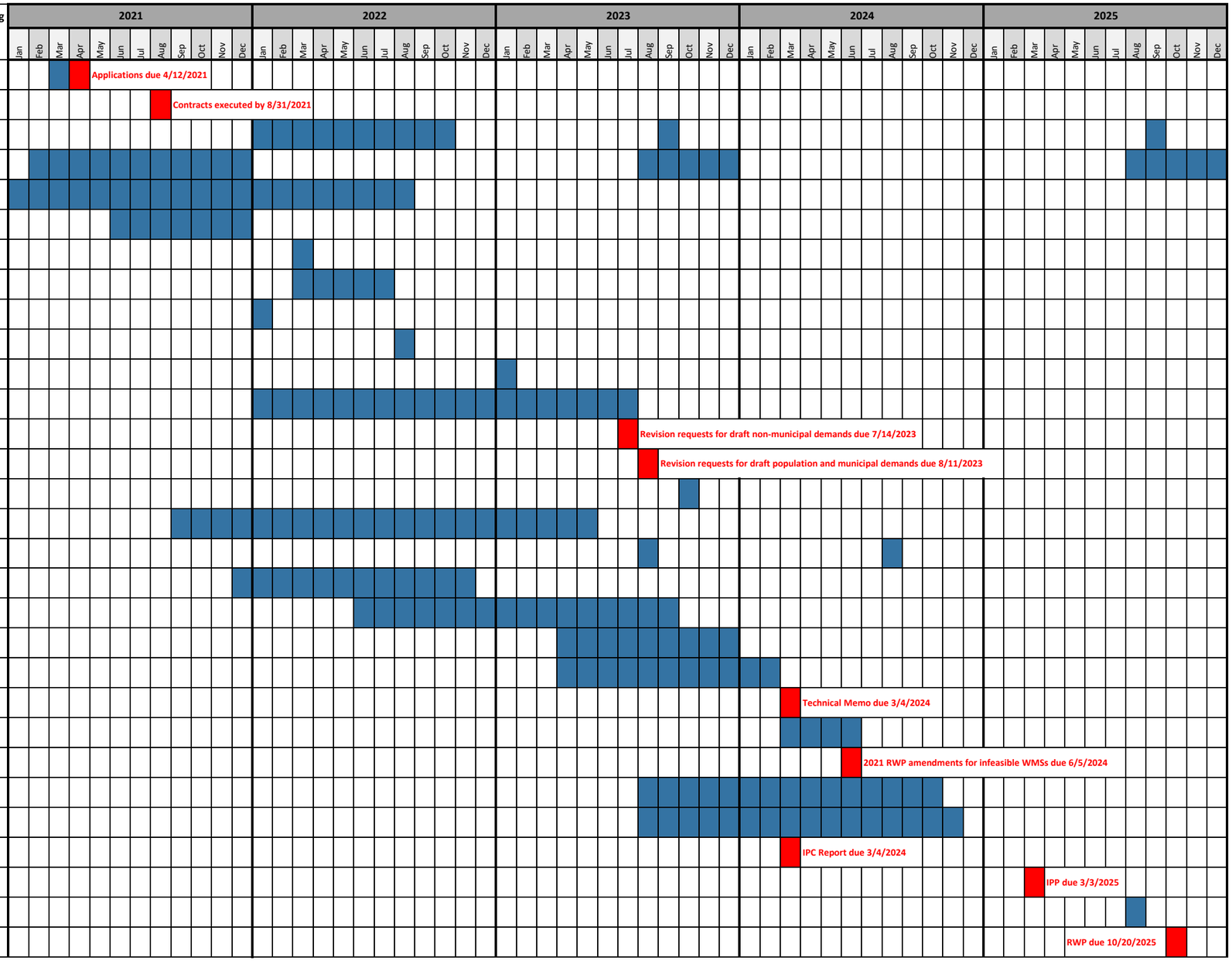
Model Input/Output Files

Attachment 9 is not included in this memorandum, as model files are submitted separately. See Attachments 4 through 6 for model documentation.

Sixth Cycle of Regional Water Planning (2026 Regional Water Plans)
Working Schedule (as of March 2023)[A]

Texas Water Development Board

Item	Entity	Activity	Planning SOW Task #
1	TWDB	RFA for regional water planning grant posted and applications due	NA
2	TWDB/RWPG	Initial planning contract execution deadline	NA
3	TWDB/RWPG	Anticipated additional contracting activities	NA
4	TWDB	Regional Water Planning rules update	NA
5	TWDB	TWDB/BEG Mining study	2A
6	RWPG	RWPGs hold pre-planning & coordination meeting (before technical work begins)	10
7	TWDB	Municipal WUG list, GPCD, historical population, and water use released	2B
8	RWPG	Review municipal WUG list, GPCD, historical population, and water use; provide feedback to TWDB	2B
9	TWDB	Draft Livestock, Manufacturing, and Steam Electric Power demand projections released	2A
10	TWDB	Draft Irrigation and Mining projections released	2A
11	TWDB	Draft Population and Municipal demand projections released	2B
12	RWPG	Review draft projections and finalize adjustments with TWDB staff	2A, 2B
13	RWPG	Revision requests for draft non-municipal demands due	2A
14	RWPG	Revision requests for draft population and municipal demands due	2B
15	TWDB	TWDB Board adopts projections	2A, 2B
16	TWDB	DB27 prepared for data entry[B, C]	NA
17	TWDB/RWPG	DB27 individualized training for consultants	NA
18	TWDB	Updated MAGs released	3
19	RWPG	Evaluate water availability and existing water supplies	3
20	RWPG	Identify water needs	4A
21	RWPG	Identify infeasible WMSs in the 2021 RWPs	4B
22	RWPG	Technical Memo due	4C
23	RWPG	Amendments to 2021 RWPs to remove/revise infeasible WMSs	4B
24	RWPG	RWPG adopted amendments to 2021 RWPs to remove/revise infeasible WMSs due to TWDB	4B
25	RWPG	Identify potentially feasible WMSs	5A
26	TWDB/RWPG	Review and negotiate SOW submittals for WMS evaluations and issue notice-to-proceeds[D]	5B
27	IPC	Interregional Planning Council report due to the TWDB	NA
28	RWPG	Initially Prepared Plan due	10
29	TWDB	Socioeconomic Impact Report released to RWPGs	6
30	RWPG	Final Plan due	10



Notes: [A] Estimated timeline based on currently available agency resources and subject to change

[B] DB27 is the updated, online water planning database for the 2027 State Water Plan

[C] Anticipated database availability dates are estimates based on currently available agency resources

[D] Subject to available funding

Region I: Task 5B Funding for Region-Specific Subtasks

Strategy Type(s)

ASR	Conservation/Drought Management	Groundwater Desal	Groundwater Dvlp	Reuse	New Major Reservoir	Other Surface Water	Seawater Desal	Conjunctive Use	Other WMS (Subordination, etc)	Region	Overall TWDB Task Number	SubTask WMS evaluation number	SubTask WMS	SubTask Scope of Work Write-up	Deliverable	SubTask Budget ($)	WUG(s) &/OR WWP Entities Potentially Served by WMS(s)	Addressing a changed condition from previous cycle? If yes, describe the changed condition.	When was this WMS identified by RWPG as potentially feasible?	Was the WMS evaluated in any previous Regional Water Planning Cycles?	Is evaluation a limited update to previous technical evaluation information? If no, indicate specific update in subtask sow column E
									X		5B	6	Documentation and Database Entry – DB27	Compile and report regional data in DB27 for integration into WMS Technical Memorandums and Regional Water Plans. Data management, submission via the DB27 interface, adherence to TWDB specifications, and compliance with data entry deadlines set by TWDB. Quality assurance, documentation, reporting, and compliance with contract requirements.	Documentation of regional data and data entry in DB27	$ 15,000	All WUGs and major water providers	No	Yes - Recommended WMS in 2021 Plan (Fifth Cycle)	Yes	No
			X							I	5B	7	Develop Groundwater Well Development WMSs	Develop groundwater strategies not included in the 2021 Plan for entities with projected needs utilizing current managed available groundwater (MAGs) and desired future conditions (DFCs) in the region. Coordinate with Groundwater Conservation Districts (GCDs) within the region to determine which strategies may be affected by new DFCs and determine whether additional changes to the DFCs are being contemplated. Develop water supply, perform engineering to determine infrastructure requirements, perform cost estimate evaluations, and yield allocations through coordination with individual WUGs, County Judges, and RWPG members.	Enter developed data into the DB 27 interface; summarize analysis in plan. Each strategy with a project capital cost will be presented separately. Documentation will include description and discussion of planned facilities, firm supply, environmental factors, engineering & costing considerations, and implementation issues.	$ 40,000	##########	No	Yes - Recommended WMS in 2021 Plan (Fifth Cycle)	Yes	No
				X						I	5B	8	Develop Indirect, Non-Potable Reuse WMSs	Develop reuse strategies not included in the 2021 plan to include potential water supply volumes. Perform engineering to determine infrastructure required, cost estimate evaluations, and yield allocations accordingly through coordination with individual WUGs, County Judges, and RWPG members.	Enter developed data into the DB27 interface; summarize analysis in plan. Each strategy with a project capital cost will be presented separately. Documentation will include description and discussion of planned facilities, firm supply, environmental factors, engineering & costing considerations, and implementation issues.	$ 8,000	CENTER; HENDERSON COUNTY-OTHER; HENDERSON MINING, BEAUMONT, TYLER	No	Yes - Recommended WMS in 2021 Plan (Fifth Cycle)	Yes	No
						X				I	5B	9	Develop Run-of-River Transfer/Transaction/Diversion WMSs	Develop run-of-river water transfer/transaction/diversion strategies to include water supply volumes, infrastructure required, cost estimates, and yield allocations accordingly through coordination with individual WUGs, County Judges, and RWPG members.	Enter developed data into the DB27 interface; summarize analysis in plan. Each strategy with a project capital cost will be presented separately. Documentation will include description and discussion of planned facilities, firm supply, environmental factors, engineering & costing considerations, and implementation issues.	$ 20,000	BEAUMONT; IRRIGATION, ORANGE; LIVESTOCK, SAN AUGUSTINE; MINING, NEWTON; SAND HILLS WSC; STEAM ELECTRIC POWER, RUSK	No	Yes - Recommended WMS in 2021 Plan (Fifth Cycle)	Yes	No
						X				I	5B	10	Develop Lake/Reservoir Transfer/Transaction/Diversion WMSs	Develop lake/reservoir transfer/transaction/diversion strategies to include water supply volumes, infrastructure required, cost estimates, and yield allocations accordingly through coordination with individual WUGs, County Judges, and RWPG members.	Enter developed data into the DB27 interface; summarize analysis in plan. Each strategy with a project capital cost will be presented separately. Documentation will include description and discussion of planned facilities, firm supply, environmental factors, engineering & costing considerations, and implementation issues.	$ 112,000	##########	No	Yes - Recommended WMS in 2021 Plan (Fifth Cycle)	Yes	No
	X									I	5B	11	Develop Water Conservation Strategies to Meet Needs	This Subtask is for the evaluation and development of Municipal, Irrigation, Industrial, Steam-electric, and Mining water use categories water conservation WMSs using the applicable subset from the general procedures and Best Management Practices (BMPs) accounting for current estimates of municipal per capita use, irrigation application rates, and BMP implementation costs, etc. Incorporate information from local knowledge and project specific data and updated Water Conservation and Drought Contingency Plans into the TWDB WSP costing tool for each project. Evaluated water conservation practices will include enhanced public and school education, water conservation pricing, and an enhanced water loss control program for entities with a projected need in the 2026 Plan that did not have a conservation strategy in the 2021 Plan.	Enter developed data into the DB27 interface; summarize analysis in plan. Each strategy with a project capital cost will be presented separately. Documentation will include description and discussion of planned facilities, firm supply, environmental factors, engineering & costing considerations, and implementation issues.	$ 32,000	Alto Rural WSC, Athens, Ben Wheeler WSC, Chandler, County-Other, D & M WSC, Edom WSC, Elysian Fields WSC, Liberty Utilities Silverleaf Water, Southern Utilities, TDCJ Coffield Michael, TDCJ Eastham Unit, Trinity Bay Conservation District, West Gregg SUD	No	Yes - Recommended WMS in 2021 Plan (Fifth Cycle)	Yes	No

Strategy Type(s)																				
ASR	Conservation/Drought Management	Groundwater Desal	Groundwater Dvlp	Reuse	New Major Reservoir	Other Surface Water	Seawater Desal	Conjunctive Use	Other WMS (Subordination, etc)	Region	Overall TWDB Task Number	SubTask WMS evaluation number	SubTask WMS	SubTask Scope of Work Write-up	Deliverable	SubTask Budget ($)	WUG(s) &/OR WWP Entities Potentially Served by WMS(s)	Addressing a changed condition from previous cycle? If yes, describe the changed condition.	When was this WMS identified by RWPG as potentially feasible?	Was the WMS evaluated in any previous Regional Water Planning Cycles?	Is evaluation a limited update to previous technical evaluation information? If no, indicate specific update in subtask sow column E
	X									I	5B	12	Develop Water Conservation Strategies to Meet Region Goals	This Subtask is for the evaluation and development of Municipal, Irrigation, Industrial, Steam-electric, and Mining water use categories water conservation WMSs using the applicable subset from the general procedures and Best Management Practices (BMPs) accounting for current estimates of municipal per capita use, irrigation application rates, and BMP implementation costs, etc. Incorporate information from local knowledge and project specific data and updated Water Conservation and Drought Contingency Plans into the TWDB WSP costing tool for each project. Evaluated water conservation practices will include enhanced public and school education, water conservation pricing, and an enhanced water loss control program for entities without a projected need in the 2026 Plan with a TWDB base gpcd of over 140 for entities that did not have a conservation strategy in the 2021Plan.	Enter developed data into the DB27 interface; summarize analysis in plan. Each strategy with a project capital cost will be presented separately. Documentation will include description and discussion of planned facilities, firm supply, environmental factors, engineering & costing considerations, and implementation issues.	$ 54,001	##	No	Yes - Recommended WMS in 2021 Plan (Fifth Cycle)	Yes	No
X		X					X	X		I	5B	13	Evaluate Potential Strategies Not Included in Previous Plans	Strategies for consideration: 1. Developing large-scale desalination facilities for seawater or brackish groundwater that serve local or regional brackish groundwater production zones, 2. Developing large-scale desalination facilities for marine seawater that serve local or regional entities, 3. Aquifer storage and recover, and 4. Conjunctive Use	Enter developed data into the DB27 interface; summarize analysis in plan. Each strategy with a project capital cost will be presented separately. Documentation will include description and discussion of planned facilities, firm supply, environmental factors, engineering & costing considerations, and implementation issues.	$ 5,350	All WUGs and major water providers	No	No	No	No
														REGION-SPECIFIC SUBTASKS TOTAL BUDGET		**$ 286,351**					