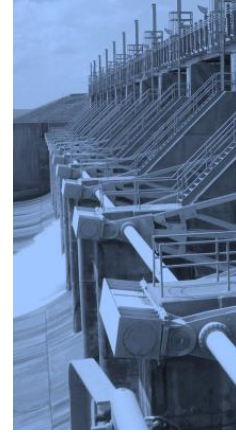


REGION H

Water Planning Group



DRAFT TECHNICAL MEMORANDUM

6th Cycle of Regional Water Plan Development

Prepared by:
Region H Water Planning Group

Prepared for:
Texas Water Development Board

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TM – Technical Memorandum

TM.1 INTRODUCTION

The Region H Water Planning Group (RHWP) prepared its latest Regional Water Plan (RWP) for the 2021 round of submittals. This plan, along with the RWPs of regions throughout Texas were incorporated into the 2022 State Water Plan (SWP) by the Texas Water Development Board (TWDB). Currently, final projections of population and water demands for the 2026 RWPs have been adopted, and available water supplies for the sixth cycle of planning are being finalized. These steps are essential prior to the identification and selection of Water Management Strategies (WMS) and Projects for meeting identified water needs.

This memorandum is intended to summarize these initial steps in the planning process and includes critical elements as defined in Section 2.12.1 of TWDB *Exhibit C – Second Amended General Guidelines for Development of the 2026 Regional Water Plans*. The contents of this memorandum represent draft representations of the water demand, supplies, and needs anticipated for the sixth round of planning. This information has been entered into the TWDB planning database, DB27, and reports generated from DB27 have been included in the appendices of this document. It should be noted that the information presented herein is to be considered draft and is subject to modification by the RHWP throughout the remainder of the planning cycle. Specifically, the RHWP anticipates the following modifications to the draft data contained in this memorandum:

- Application of Modeled Available Groundwater (MAG) Peak Factors to appropriate county-aquifer units within Region H following consideration and approval by applicable Groundwater Conservation Districts, Groundwater Management Areas (GMAs), the RHWP, and the Executive Administrator of TWDB;
- Calculation of available reservoir and run-of-river surface water supplies pending completion of model development and subject to interregional coordination and stakeholder input;
- Allocation of water supplies from sources to Water User Groups (WUGs) at all tiers subject to availability modified by the aforementioned adjustments; and
- Any additional modifications recognized as appropriate by the RHWP during the course of final RWP preparation.

TM.2 POPULATION AND DEMANDS

Population and water demands were adapted for this round of regional planning from information provided by TWDB and detailed local studies. The approach to projections for each category of water use are described below:

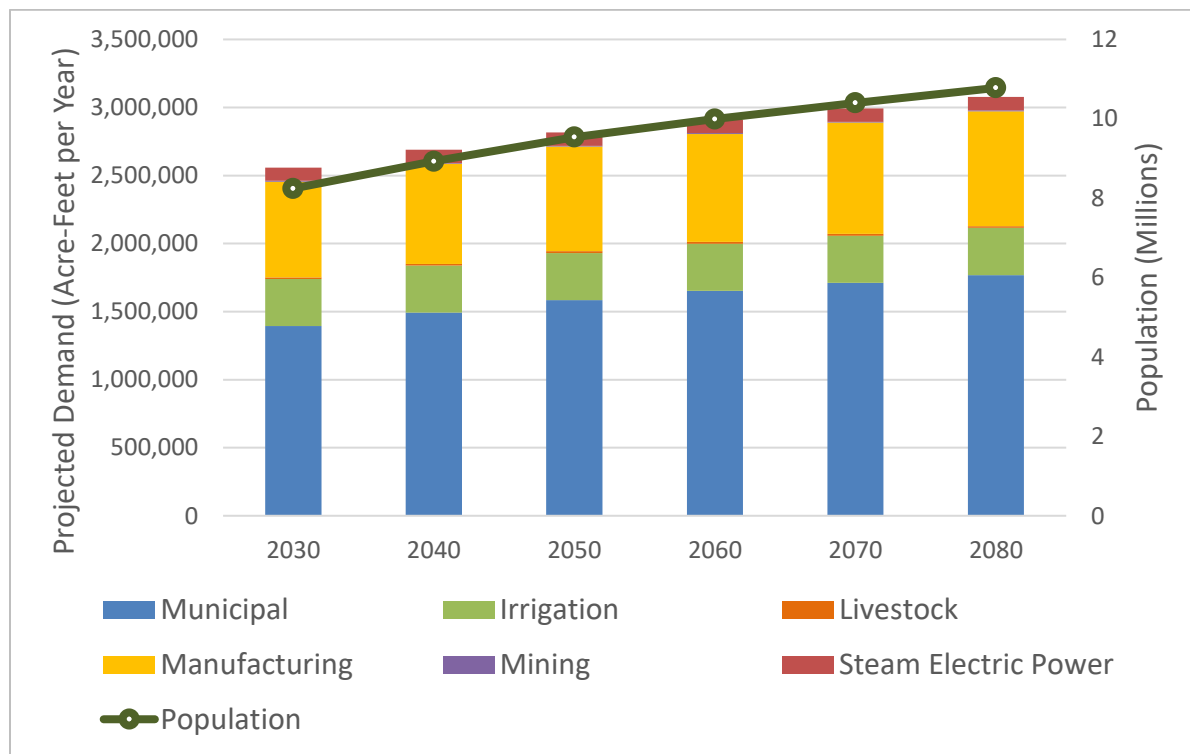
- Population and municipal water demand projections: Population projections were developed by TWDB based upon county-level projections from the Texas Demographic Center as well as historic data on individual WUGs. These projections were adjusted by the RHWP using local information and stakeholder input. Changes included use of an alternate county-level migration scenario for projection development in three counties. For an additional nine counties, county and WUG-level projections were adjusted based upon a detailed local analysis performed by the Harris-Galveston Subsidence District and Fort Bend Subsidence

District. Municipal demand projections were developed based on these projections and TWDB data describing per-capita water use, adjusted for projected savings from baseline conservation practices.

- **Irrigation demand projections:** Projections were based on the second highest demands identified in historical county-wide water use from 2010 through 2020.
- **Livestock demand projections:** Projections were based on the highest demands identified in historical county-wide water use from 2015 through 2020.
- **Manufacturing demand projections:** Demand projections provided by TWDB were adjusted to incorporate year 2020 historic use data, a limited number of adjustments to historic use data, and stakeholder-provided information.
- **Mining demand projections:** Projections were based primarily on projections developed by TWDB, with limited adjustments to incorporate recent historic use data for Harris County.
- **Steam electric power demand projections:** Demand projections from TWDB were modified to include the maximum level of water use from 2015 through 2019 and projections were revised based on known information regarding the location and status of facilities in each county.

A summary of total population and water demands by use category is shown below in *Figure TM-1*.

Figure TM-1 – Population and Water Demand Projections by WUG Category



Detailed information regarding projections can be found in **Appendix TM-A** as shown in the TWDB DB27 WUG Population and WUG Demand reports, including population and water demand projections by WUG, county, and river basin.

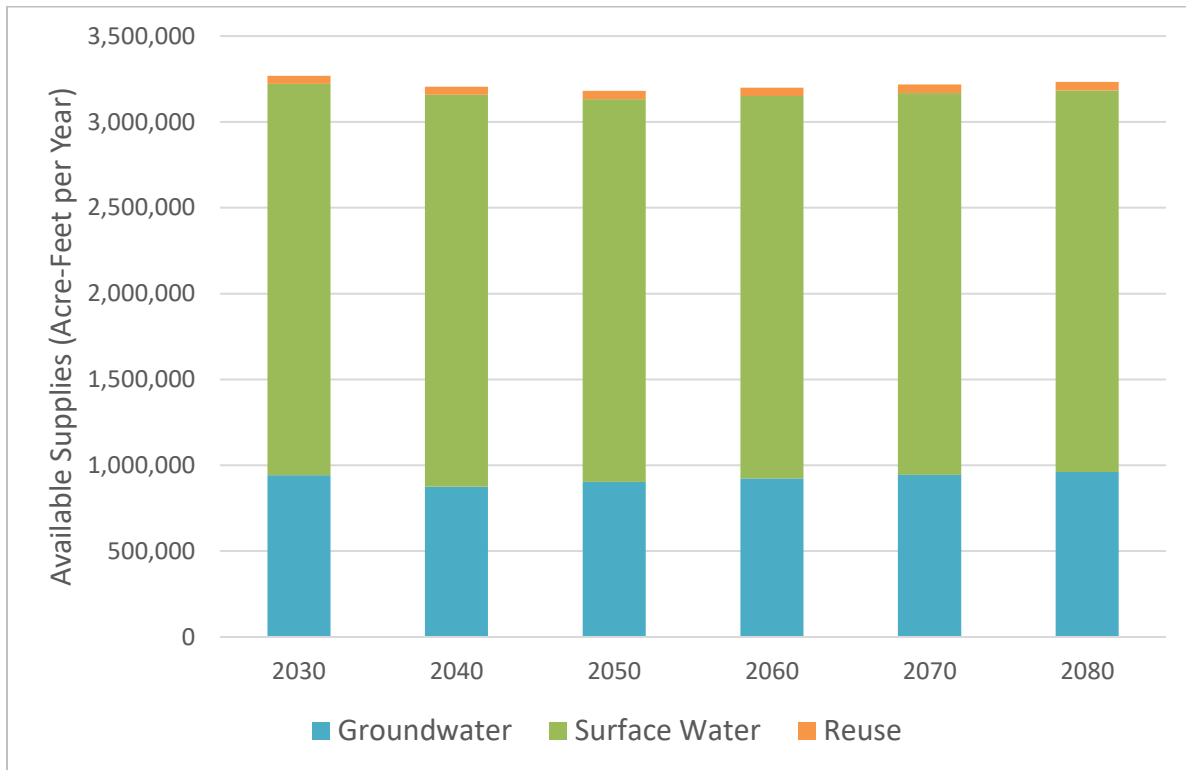
TM.3 AVAILABLE WATER SUPPLIES

Water supplies were evaluated through several methodologies based on source. These methods are summarized below:

- Groundwater with designated MAGs: MAG supplies for the 2026 round of regional planning are set based on the MAGs developed during the third round of joint planning by the state's GMAs. These values cannot be modified by the RHWPG but may be used in conjunction with a MAG Peak Factor to align the long-term management represented by the MAG with the short-term drought demands depicted in the RWPs. This process is ongoing at the time of this document's production and the values included in this memorandum do not include a Peak Factor. These values will be updated as appropriate for delivery of the comprehensive RWP.
- Groundwater without designated MAGs: Groundwater formations that were deemed by the GMAs to be non-relevant for the purpose of joint planning or, otherwise, do not have a MAG value assigned may be assigned a yield based on the judgment of the individual Regional Water Planning Groups (RWPGs). At a public meeting on October 3, 2023, the RHWPG authorized the Region's Groundwater Supply Committee and consultant team to identify potential improved estimates of non-MAG availability and update values for the RWP as applicable. Analysis of non-MAG availability is ongoing, and analyses presented in this memorandum retain the values from the 2021 RWP. 2021 RWP values were derived primarily from the TWDB's Groundwater Technical Assistance Aquifer Assessments and year 2010 groundwater availability models for MAG determination.
- Surface water supplies from reservoirs: Texas Commission on Environmental Quality (TCEQ) Water Availability Models (WAMs) for the basins within Region H were modified where necessary in order to more accurately represent water right permit conditions and use. In addition, sedimentation was added for all reservoirs larger than 5,000 acre-feet (ac-ft) for each decade throughout the planning horizon. These models were then executed to determine a firm yield for the reservoirs.
- Surface water supplies from run-of-river rights: The same modified TCEQ WAMs used for assessing reservoir supplies were used to evaluate run-of-river supplies, but sedimentation was not applied to reservoirs in order to obtain a more conservative estimate of run-of-river availability. Supplies were based on minimum annual diversions, as Region H does not have municipal WUGS which are sole source run-of-river right users that do not utilize backup through some stored supply, firm yield supply, groundwater, or other sources for meeting near-term drought needs.
- Reuse water supplies: Existing reuse water supplies were estimated by the RHWPG based on data provided by TWDB, stakeholder input, and known infrastructure limitations.

A summary of available water supplies by source type is shown in *Figure TM-2*.

Figure TM-2 – Available Water Supplies by Source Type



Detailed information regarding supplies can be found in **Appendix TM-B**, as shown in the TWDB DB27 Source Availability report, including projected source availability by source name, county, and river basin. It should be noted that these supplies are draft, pending the approval of MAG Peak Factors for applicable aquifer formations and other adjustments to projected availability that may arise due to additional modeling efforts. At this time, available supply numbers from the 2021 SWP have been used as draft supplies for surface water sources in the Brazos River Basin, the San Jacinto-Brazos Coastal Basin, and for reservoir supplies in the Trinity Basin. Evaluations of these supplies are ongoing in conjunction with interregional coordination and stakeholder input. **Appendix TM-B** also includes the TWDB DB27 report on the difference in projected source availability for the 2026 RWP and availability in the 2021 RWP.

Information on the TCEQ WAMs that were used to develop water supplies for this technical memorandum is shown in **Appendix TM-C**, including:

- The request for modifications to TCEQ WAMs submitted on behalf of the RHWPG to TWDB;
- The letter of approval from TWDB for modifications to TCEQ WAMs by the RHWPG;
- A brief memorandum summarizing the methodology used to estimate future reservoir storage conditions with relevant considerations for each basin examined;
- The named/labeled version of each model used;
- A summary of any modifications to each model and the date these modifications were approved by the TWDB Executive Administrator;
- The responsible party for executing the model run;

- The date of each model run;
- The original and modified yields for reservoirs before and after WAM modification; and
- The original and modified minimum annual diversion for run-of-river sources before and after WAM modification.

TM.4 ALLOCATION OF WATER SUPPLIES TO MEET PROJECTED DEMANDS

The supplies represented in *Section TM.3* are the existing supply availabilities at the source. Actual availability to WUGs is dependent upon the allocation of those supplies through infrastructure and contractual limitations that effectively modify the actual availability of water to satisfy projected demands. Once these supplies are allocated to their intended user, water needs can be identified for each WUG, each county, and Region H as a whole. These connections were made in the TWDB planning database, DB27, by the RHWPG planning team based on stakeholder input, institutional knowledge, and other sources of information.

The results of this analysis are summarized in **Appendix TM-D** and include the following reports:

- TWDB DB27 WUG Existing Water Supply;
- TWDB DB27 WUG Needs or Surplus; and
- TWDB DB27 WUG Data Comparison to 2021 RWP.

Currently, the values represented in these reports are draft, pending the finalization of source water supplies and additional information regarding the allocation of supplies to WUGs.

TM.5 CONSIDERATION OF STRATEGIES AND PROJECTS TO MEET IDENTIFIED NEEDS

The needs ultimately identified in the RWP will be met through the application of WMS and Projects that may be implemented by individual WUGs, WWPs, and other stakeholders. Evaluation and recommendation of WMS and Projects will be performed subsequent to this Technical Memorandum. However, the RHWPG has taken necessary steps to achieve this goal in the preliminary identification of potentially feasible WMS and the determination of a process to select WMS for the purpose of meeting specific needs. Additional WMS will be considered throughout the planning process as they are brought to the RHWPG or deemed necessary based on the final analysis of needs.

The RHWPG met in a public meeting on December 6, 2023 and considered a list of potentially feasible WMS that had been reviewed and recommended by the Region H WMS Committee. This list is included in **Appendix TM-E**.

The identification and evaluation of WMS requires a designated methodology to be identified by the RWPG. The RHWPG also considered and approved a methodology recommended by the Region H WMS Committee on December 6, 2023. This methodology is adapted with limited revision from the methodology employed in the development of the 2021 RWP. This process generally follows the following steps:

- Application of general WMS (conservation, self-supplied groundwater, contract expansions, etc.);
- Application of WMS that are already under way by the potential project sponsors;

- Evaluation of WMS and scoring on a basis of WMS-specific criteria (cost, location, water quality, environmental land and habitat impacts, impact on environmental flows, local preference, institutional constraints, development timeline, sponsorship, vulnerability, and coordination with other WMS);
- Evaluation of WMS ability to meet the specific characteristics of the identified need (proximity, size, timing, water quality, unit cost, etc.); and
- Filtering of potential WMS and selection of final alternative.

A detailed summary of the methodology is included in **Appendix TM-E**.

TM.6 CONSIDERATION OF POTENTIALLY INFEASIBLE STRATEGIES AND PROJECTS IN THE 2021 RWP

Senate Bill 1511 of the 85th Texas Legislature established a new requirement for the RWP process to examine the WMS recommended in the prior RWP cycle to determine if any of these WMS are no longer feasible (the sponsor has not taken affirmative steps toward implementation); if infeasible strategies are identified, the prior RWP must be amended. Subsequent to the passage of this legislation, TWDB provided the RHWPG with additional guidance on addressing the new requirements, including a list of WMS and WMS Projects from the 2021 Region H RWP relevant to the analysis. The RHWPG performed a detailed assessment of the listed WMS and WMS Projects, including consideration of data from surveys of WUGs, directed correspondence to project sponsors, resolutions by project sponsors, application for funding support through TWDB financial assistance programs, project pilot studies, local institutional knowledge, and other information as available. The legislative requirements and the results of the assessment were discussed at meetings of the Region H WMS Committee and the RHWPG. At its meeting on December 6th, 2023, the RHWPG took formal action establishing that no WMS or WMS projects recommended in the 2021 Region H RWP were found to be infeasible.

TM.7 INTERREGIONAL COORDINATION EFFORTS

Coordination with other RWPGs has been an important element of the RWP development process for Region H since its inception. Region H adjoins four other Regional Water Planning Areas (C, G, I, and K), with which it shares a number of split WUGs. A number of existing and proposed future water supplies cross these regional boundaries. The RHWPG has utilized the following approaches to interregional coordination during the ongoing sixth cycle of RWP development:

- Designating liaisons to other RWPGs and Regional Flood Planning Groups to provide channels of communication between regions on key issues, and including a standing agenda item for RHWPG meetings to receive updates from these liaisons;
- Designation of a member and alternate to the Interregional Planning Council, and briefing of the RHWPG by these representatives as appropriate;
- Participation by the RHWPG chair and others in Chairs Conference Calls organized by TWDB; and

- Communication by RWPG consultants across regions regarding planning, technical, and data management activities.

TM.8 PUBLIC PROCESS

The RHWPG posted notice of its February 7, 2024 public meeting for consideration of RWPG Technical Memorandum approval and the decision to forgo simplified planning. Public comment was accepted prior to and during the meeting. *[Summary of public comments received, if any, to be incorporated into the final Technical Memorandum].*

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APPENDIX TM-A

TWDB DB27 REPORTS RELATED TO POPULATION AND DEMANDS

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**APPENDIX TM-A1
2026 RWP WUG POPULATION**

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DRAFT Region H Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Austin County Total	31,300	32,379	33,366	33,805	34,125	34,449
Austin County / Brazos Basin Total	25,705	26,661	27,576	27,985	28,278	28,560
Austin County WSC	2,166	2,455	2,683	2,796	2,851	2,908
Bellville	4,333	4,399	4,534	4,599	4,654	4,715
Sealy	7,098	7,437	7,848	8,025	8,158	8,240
West End WSC*	1,062	1,062	1,062	1,062	1,062	1,062
County-Other	11,046	11,308	11,449	11,503	11,553	11,635
Austin County / Brazos-Colorado Basin Total	5,385	5,504	5,574	5,604	5,630	5,671
Austin County WSC	186	211	230	240	245	250
Sealy	41	43	45	46	47	47
Wallis	1,308	1,308	1,308	1,308	1,311	1,318
County-Other	3,850	3,942	3,991	4,010	4,027	4,056
Austin County / Colorado Basin Total	210	214	216	216	217	218
West End WSC*	66	66	66	66	66	66
County-Other	144	148	150	150	151	152
Brazoria County Total	403,497	431,420	451,031	462,189	471,475	477,538
Brazoria County / Brazos Basin Total	13,727	14,211	14,638	14,806	14,975	15,048
Brazoria	356	354	353	346	338	326
Brazoria County FWSD 1	678	756	755	755	755	754
Freeport	1,012	989	979	955	929	893
Lake Jackson	707	690	683	669	653	629
Varner Creek UD	2,363	2,363	2,307	2,307	2,292	2,231
West Columbia	2,743	2,736	2,711	2,671	2,628	2,559
County-Other	5,868	6,323	6,850	7,103	7,380	7,656
Brazoria County / Brazos-Colorado Basin Total	24,864	26,228	27,772	28,424	29,133	29,740
Brazoria	2,478	2,462	2,458	2,408	2,356	2,272
Brazoria County FWSD 1	143	159	159	159	159	159
Freeport	20	19	19	18	18	17
Sweeny	3,110	3,118	3,103	3,071	3,027	2,932
West Columbia	1,548	1,544	1,530	1,508	1,484	1,444
County-Other	17,565	18,926	20,503	21,260	22,089	22,916
Brazoria County / San Jacinto-Brazos Basin Total	364,906	390,981	408,621	418,959	427,367	432,750
Alvin	26,404	27,446	29,129	29,260	29,038	29,158

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

DRAFT Region H Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Angleton	19,244	19,285	19,056	18,640	18,168	17,524
Brazoria County MUD 2	3,846	4,046	4,186	4,377	4,442	4,427
Brazoria County MUD 21	4,748	4,879	4,879	4,916	4,919	4,895
Brazoria County MUD 22	2,804	2,837	2,838	2,839	3,000	3,094
Brazoria County MUD 25	4,361	4,461	4,468	4,511	4,556	4,614
Brazoria County MUD 29	4,322	4,652	4,656	4,687	4,813	4,914
Brazoria County MUD 3	4,185	4,303	4,355	4,466	4,590	4,654
Brazoria County MUD 31	3,277	3,277	3,246	3,246	3,238	3,193
Brazoria County MUD 39	1,695	1,851	1,851	1,973	2,051	2,077
Brazoria County MUD 55	1,787	1,787	1,763	1,744	1,720	1,673
Brazoria County MUD 6	7,252	7,735	7,808	8,054	8,233	8,352
Clute	10,231	9,993	9,897	9,633	9,346	8,960
Danbury	1,673	1,698	1,694	1,670	1,643	1,587
Fort Bend County FWSD 1	43	48	48	80	81	81
Freeport	9,276	9,060	8,972	8,755	8,516	8,187
Hillcrest Village	679	665	661	647	630	607
Lake Jackson	26,179	25,537	25,291	24,759	24,159	23,299
Manvel	6,037	9,423	12,562	13,879	15,295	16,506
Oyster Creek	1,209	1,209	1,201	1,157	1,110	1,052
Pearland	136,520	151,747	158,040	164,420	169,140	171,841
Quadvest*	673	673	669	667	661	647
Richwood	4,596	4,492	4,449	4,325	4,192	4,013
Sedona Lakes MUD 1	1,820	1,916	2,130	2,219	2,232	2,270
Surfside Beach	630	630	617	589	560	526
TDCJ Darrington Unit	1,745	1,745	1,715	1,715	1,697	1,669
TDCJ Ramsey Area	3,300	3,300	3,300	3,300	3,300	3,300
County-Other	76,370	82,286	89,140	92,431	96,037	99,630
Chambers County Total	60,631	79,788	102,555	127,668	154,853	185,792
Chambers County / Neches-Trinity Basin Total	9,544	10,764	12,190	13,387	14,859	16,487
Anahuac	1,678	1,678	1,679	1,679	1,771	1,784
Trinity Bay Conservation District*	6,707	7,371	7,981	8,389	8,923	9,572
County-Other	1,159	1,715	2,530	3,319	4,165	5,131
Chambers County / Trinity Basin Total	25,141	34,400	44,543	56,646	69,722	84,656
Anahuac	318	318	318	318	335	338
Baytown	1,074	1,381	1,738	2,130	2,548	3,014
C C Water Works	2,060	2,975	4,112	5,206	6,395	7,746

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

DRAFT Region H Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Mont Belvieu	8,833	11,276	11,807	14,599	17,656	21,161
Trinity Bay Conservation District*	1,510	1,660	1,797	1,889	2,009	2,155
County-Other	11,346	16,790	24,771	32,504	40,779	50,242
Chambers County / Trinity-San Jacinto Basin Total	25,946	34,624	45,822	57,635	70,272	84,649
Baytown	5,714	7,347	9,246	11,337	13,558	16,038
C C Water Works	293	423	584	740	909	1,101
Chambers County MUD 1	5,334	5,749	6,229	6,755	7,311	7,931
Mont Belvieu	2,510	3,204	3,355	4,149	5,018	6,014
County-Other	12,095	17,901	26,408	34,654	43,476	53,565
Fort Bend County Total	1,025,010	1,239,696	1,431,122	1,584,937	1,738,819	1,879,698
Fort Bend County / Brazos Basin Total	368,539	466,712	571,859	655,170	741,260	818,846
First Colony MUD 9	2,872	2,905	3,066	3,208	3,357	3,484
Fort Bend County FWSD 2	332	344	369	387	408	430
Fort Bend County MUD 115	1,489	1,506	1,652	1,681	1,738	1,777
Fort Bend County MUD 116	4,190	4,883	4,887	4,970	5,032	5,127
Fort Bend County MUD 121	3,809	3,809	3,809	3,809	3,809	3,809
Fort Bend County MUD 128	11,342	11,525	11,600	11,601	11,807	12,077
Fort Bend County MUD 129	5,320	5,445	5,497	5,576	5,682	5,926
Fort Bend County MUD 140	2,265	2,266	2,283	2,284	2,607	2,859
Fort Bend County MUD 149	5,158	5,173	5,321	5,332	5,354	5,448
Fort Bend County MUD 152	3,486	3,488	3,508	3,678	3,839	3,854
Fort Bend County MUD 155	4,100	5,005	6,075	6,927	7,670	8,101
Fort Bend County MUD 158	2,416	2,733	3,136	3,458	3,739	3,903
Fort Bend County MUD 162	2,847	2,850	3,081	3,366	4,238	4,600
Fort Bend County MUD 25	2,566	2,645	2,679	2,685	2,715	2,744
Fort Bend County MUD 46	2,454	2,685	2,866	2,953	2,960	2,968
Fort Bend County MUD 49	95	99	99	99	109	109
Fort Bend County MUD 5	3,979	4,488	5,009	5,239	5,293	5,325
Fort Bend County MUD 81	2,568	2,568	3,747	4,602	5,069	5,396
Fort Bend County WCID 3	617	618	618	618	668	700
Fulshear	4,597	7,646	7,750	7,956	8,234	8,431
Needville	1,471	2,376	2,773	2,856	2,883	2,895
North Fort Bend Water Authority	19,924	22,457	24,320	25,905	27,120	28,329
Pecan Grove MUD 1	12,526	13,605	14,262	14,519	14,649	14,837
Plantation MUD	3,900	4,007	4,215	4,269	4,333	4,437

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

DRAFT Region H Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Quadvest*	2,597	4,125	5,761	7,209	8,332	9,016
Richmond	18,106	19,556	20,541	20,738	21,374	22,341
Rosenberg	53,516	66,373	77,631	85,487	91,320	96,510
Royal Valley Utilities	2,900	3,214	3,350	3,811	3,899	4,092
Sienna Plantation	26,705	27,566	28,722	29,241	29,813	30,590
Sugar Land	73,802	76,302	78,408	79,902	81,527	83,634
TDCJ Jester Units	1,517	1,517	1,517	1,517	1,517	1,517
Thunderbird UD	1,039	1,065	1,138	1,153	1,175	1,224
County-Other	84,034	151,868	232,169	298,134	368,990	432,356
Fort Bend County / Brazos-Colorado Basin Total	29,157	53,404	79,765	101,124	124,059	144,539
Kendleton	287	1,573	1,573	1,573	1,643	1,687
Needville	1,790	2,891	3,374	3,476	3,507	3,523
County-Other	27,080	48,940	74,818	96,075	118,909	139,329
Fort Bend County / San Jacinto Basin Total	288,408	321,614	345,487	365,407	381,662	397,694
Blue Ridge West MUD	7,226	7,258	7,393	7,794	7,944	8,097
Fort Bend County FWSD 2	1,176	1,218	1,307	1,371	1,445	1,524
Fort Bend County MUD 26	1,021	1,065	1,101	1,163	1,189	1,221
Fort Bend County WCID 2	18,234	19,772	20,724	21,482	22,211	23,041
Fulshear	312	519	526	540	558	572
Houston	36,611	39,919	41,889	43,966	45,505	46,819
Katy	9,967	12,764	14,328	14,462	15,549	16,591
Meadows Place	4,992	5,157	5,389	5,707	5,900	6,091
North Fort Bend Water Authority	191,420	215,758	233,660	248,885	260,562	272,174
Sugar Land	5,866	6,065	6,232	6,351	6,480	6,648
West Harris County Regional Water Authority	11,047	11,291	11,807	12,343	12,748	13,141
Willow Creek Farms MUD	267	342	388	389	390	391
County-Other	269	486	743	954	1,181	1,384
Fort Bend County / San Jacinto-Brazos Basin Total	338,906	397,966	434,011	463,236	491,838	518,619
First Colony MUD 9	4,932	4,990	5,266	5,509	5,765	5,984
Fort Bend County FWSD 1	10,257	16,405	18,720	19,340	20,205	21,046
Fort Bend County FWSD 2	6,211	6,436	6,907	7,242	7,632	8,052
Fort Bend County MUD 131	1,545	1,647	1,727	1,763	2,000	2,129
Fort Bend County MUD 23	14,580	15,088	15,089	15,228	15,362	15,466

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DRAFT Region H Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Fort Bend County MUD 24	2,968	3,295	3,295	3,295	3,307	3,321
Fort Bend County MUD 25	10,132	10,445	10,575	10,599	10,717	10,831
Fort Bend County MUD 26	4,549	4,745	4,904	5,184	5,297	5,440
Fort Bend County MUD 42	3,791	3,971	4,079	4,184	4,295	4,418
Fort Bend County MUD 46	25	27	29	30	30	30
Fort Bend County MUD 47	2,455	2,455	2,455	2,455	2,455	2,607
Fort Bend County MUD 48	4,152	4,216	4,263	4,508	4,628	4,685
Fort Bend County MUD 49	772	808	808	808	891	891
Fort Bend County WCID 2	19,921	21,601	22,640	23,469	24,265	25,172
Fulshear	20,642	34,337	34,804	35,730	36,977	37,861
Houston	4,673	5,096	5,347	5,612	5,809	5,977
Meadowcreek MUD	1,722	1,728	1,783	1,818	1,845	1,872
Missouri City	9,956	11,693	12,515	12,883	13,560	13,875
North Fort Bend Water Authority	124,070	139,844	151,447	161,315	168,884	176,410
Palmer Plantation MUD 1	1,882	1,893	1,893	1,893	1,910	1,989
Palmer Plantation MUD 2	2,714	2,715	2,720	2,720	2,721	2,722
Pearland	6,489	8,388	8,642	8,642	8,641	8,642
Pecan Grove MUD 1	166	181	189	193	194	197
Quail Valley UD	11,284	11,730	11,885	12,637	13,029	13,415
Sienna Plantation	12,435	12,835	13,374	13,615	13,882	14,243
Sugar Land	36,264	37,492	38,526	39,261	40,059	41,094
TDCJ Jester Units	4	4	4	4	4	4
Thunderbird UD	3,598	3,689	3,939	3,990	4,070	4,236
County-Other	16,717	30,212	46,186	59,309	73,404	86,010
Galveston County Total	377,403	392,019	401,517	407,589	411,701	415,342
Galveston County / Neches-Trinity Basin Total	2,987	3,018	3,033	3,048	3,053	3,056
Bolivar Peninsula SUD	2,987	3,018	3,033	3,048	3,053	3,056
Galveston County / San Jacinto-Brazos Basin Total	374,416	389,001	398,484	404,541	408,648	412,286
Bacliff MUD	9,095	9,397	9,574	9,703	9,772	9,834
Bayview MUD	1,458	1,546	1,600	1,633	1,656	1,675
Friendswood	32,928	34,228	35,080	35,748	36,163	36,490
Galveston	57,160	57,523	58,340	58,817	59,213	59,588
Galveston County FWSD 6	1,107	1,107	1,107	1,107	1,107	1,107
Galveston County MUD 12	2,301	2,302	2,302	2,302	2,302	2,302
Galveston County WCID 1	26,453	27,401	27,883	28,220	28,472	28,677

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DRAFT Region H Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Galveston County WCID 12	3,426	3,534	3,604	3,632	3,657	3,680
Galveston County WCID 8	4,276	4,378	4,446	4,465	4,478	4,488
Hitchcock	7,403	7,639	7,646	7,684	7,748	7,800
Jamaica Beach	1,085	1,085	1,085	1,088	1,088	1,088
La Marque	18,972	20,245	20,868	21,282	21,555	21,794
League City	119,625	125,140	128,569	130,498	131,855	133,126
San Leon MUD	6,246	6,470	6,643	6,702	6,765	6,827
Texas City	57,263	59,723	61,462	62,597	63,368	64,047
County-Other	25,618	27,283	28,275	29,063	29,449	29,763
Harris County Total	5,193,657	5,392,541	5,547,593	5,621,183	5,671,911	5,720,523
Harris County / San Jacinto Basin Total	4,751,332	4,927,156	5,071,825	5,140,608	5,191,322	5,239,646
Baker Road MUD	1,000	1,033	1,031	1,029	1,107	1,150
Baytown	57,365	66,631	70,025	71,063	69,788	68,301
Bellaire	17,749	18,105	18,129	18,152	17,882	17,696
Blue Bell Manor Utility	3,864	3,876	3,991	4,046	3,975	3,977
Bunker Hill Village	3,938	4,140	4,142	4,143	4,155	4,140
Central Harris County Regional Water Authority	55,020	55,769	56,415	56,874	58,329	59,324
Chimney Hill MUD	5,269	5,269	5,269	5,270	5,271	5,274
Country Terrace Water	1,375	1,375	1,377	1,377	1,378	1,367
Crosby MUD	6,845	7,599	7,665	7,972	8,492	8,496
Deer Park	8,917	9,000	9,063	9,090	9,127	9,091
Douglas Utility	2,148	2,164	2,203	2,245	2,196	2,208
El Dorado UD	3,343	3,459	3,740	3,815	3,893	3,928
Forest Hills MUD	2,935	2,936	2,936	2,936	2,911	2,894
Fort Bend County WCID 2	1,337	1,339	1,340	1,345	1,354	1,381
Galena Park	10,952	11,062	11,372	11,504	11,677	11,172
Green Trails MUD	1,971	2,017	2,018	2,020	2,068	2,105
Greenwood UD	9,992	10,069	10,069	10,077	9,994	10,012
Harris County FWSD 1-A	2,682	2,698	2,711	2,711	2,733	2,654
Harris County FWSD 27	2,932	3,482	3,682	3,793	4,384	4,193
Harris County FWSD 58	1,661	1,670	1,670	1,670	1,670	1,670
Harris County MUD 106	4,454	4,531	4,689	4,773	4,956	5,019
Harris County MUD 11	3,722	3,722	3,722	3,722	3,691	3,673
Harris County MUD 119	6,759	6,944	6,945	6,946	6,902	6,880
Harris County MUD 122	1,353	1,399	1,395	1,391	1,410	1,498
Harris County MUD 132	6,564	6,736	6,961	7,047	7,254	7,360

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DRAFT Region H Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Harris County MUD 148	6,223	6,378	7,018	7,324	7,337	7,350
Harris County MUD 151	6,746	6,861	7,002	7,078	7,382	7,439
Harris County MUD 152	8,559	8,722	9,018	9,130	9,439	9,551
Harris County MUD 153	8,972	9,136	9,385	9,491	9,795	9,906
Harris County MUD 154	10,425	10,549	10,815	10,892	11,193	11,316
Harris County MUD 180	6,171	6,302	6,331	6,361	6,478	6,643
Harris County MUD 189	3,659	3,798	3,842	3,873	4,010	4,188
Harris County MUD 216	2,461	2,515	2,505	2,495	2,506	2,524
Harris County MUD 221	5,623	5,681	5,803	5,856	5,979	6,035
Harris County MUD 23	3,809	3,816	3,816	3,816	3,786	3,770
Harris County MUD 261	1,044	1,086	1,115	1,126	1,123	1,130
Harris County MUD 278	9,870	9,984	10,672	10,923	11,049	11,131
Harris County MUD 290	9,655	9,883	10,472	10,713	11,058	11,183
Harris County MUD 321	1,239	1,366	1,401	1,414	1,401	1,395
Harris County MUD 342	4,265	4,316	5,233	5,656	5,677	5,773
Harris County MUD 344	4,474	5,426	5,426	5,426	5,432	5,436
Harris County MUD 345	3,819	3,854	3,876	3,898	4,064	4,079
Harris County MUD 36	1,849	1,947	2,651	2,950	2,967	3,062
Harris County MUD 361	4,837	4,911	5,175	5,288	5,425	5,475
Harris County MUD 372	2,585	2,734	2,732	2,736	2,812	2,906
Harris County MUD 400	9,503	9,631	10,197	10,424	10,762	10,877
Harris County MUD 412	4,322	4,423	5,040	5,292	5,381	5,458
Harris County MUD 420	1,699	1,699	1,799	1,800	1,757	1,757
Harris County MUD 46	4,526	4,526	4,541	4,550	4,550	4,551
Harris County MUD 49	8,827	9,038	9,542	9,802	9,830	9,860
Harris County MUD 494	2,877	2,932	3,131	3,213	3,316	3,353
Harris County MUD 5	6,571	6,679	6,745	6,805	6,958	7,190
Harris County MUD 50	3,595	3,681	3,836	3,892	4,071	4,180
Harris County MUD 504	4,086	4,086	4,096	4,101	4,109	4,133
Harris County MUD 58	1,847	1,847	1,847	1,847	1,847	1,847
Harris County MUD 6	3,732	3,748	3,755	3,756	3,725	3,709
Harris County MUD 8	5,110	5,237	5,515	5,636	5,551	5,564
Harris County MUD 96	8,521	8,547	9,146	9,388	9,442	9,516
Harris County UD 14	3,125	3,140	3,162	3,176	3,165	3,206
Harris County UD 15	3,751	3,766	3,766	3,766	3,847	3,921
Harris County WCID 1	8,523	8,645	9,022	9,176	9,715	9,801
Harris County WCID 133	6,198	6,353	6,362	6,369	6,325	6,305
Harris County WCID 70	1,512	1,512	1,512	1,512	1,512	1,512

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DRAFT Region H Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Harris County WCID 74	5,713	5,782	5,963	5,979	5,897	5,904
Harris County WCID 96	8,240	8,414	9,562	9,907	9,706	9,740
Harris County WCID-Fondren Road	2,863	2,936	2,936	2,937	2,917	2,907
Hilshire Village	809	809	809	810	804	800
HMW SUD	2,376	2,391	2,427	2,432	2,500	2,570
Houston	2,201,168	2,268,148	2,325,447	2,350,105	2,338,115	2,344,121
Humble	23,654	24,530	28,051	29,693	30,661	31,130
Jacinto City	9,664	9,753	10,096	10,229	10,387	9,842
Jersey Village	9,298	9,638	9,732	9,789	10,061	10,415
Katy	12,339	12,585	12,671	12,756	13,049	13,398
Kings Manor MUD	1,041	1,041	1,041	1,041	1,046	1,046
La Porte	2,476	2,654	2,677	2,694	2,610	2,677
Lake MUD	8,100	8,365	8,529	8,595	9,028	9,115
Longhorn Town UD	1,925	1,933	1,926	1,918	1,921	1,973
Luce Bayou PUD	454	870	878	887	887	894
Mason Creek UD	7,462	7,556	7,561	7,567	7,719	7,869
Meadows Place	4	4	4	4	4	5
Memorial Villages Water Authority	11,229	11,343	12,250	12,636	12,450	12,448
Morgans Point	21	22	22	22	22	21
Mount Houston Road MUD	7,988	8,162	8,187	8,189	8,119	8,088
Newport MUD	12,664	12,706	13,607	14,143	14,729	14,746
Nitsch and Son Utility	1,855	1,855	1,855	1,855	1,855	1,855
North Belt UD	2,805	2,812	3,253	3,450	3,470	3,522
North Channel Water Authority	111,189	115,356	121,986	125,492	125,725	126,685
North Forest MUD	1,564	1,565	1,584	1,584	1,585	1,641
North Fort Bend Water Authority	10,121	10,344	10,396	10,414	10,797	11,210
North Green MUD	4,745	4,858	5,006	5,084	5,181	5,228
North Harris County Regional Water Authority	842,265	860,999	886,060	898,264	927,801	947,380
Northeast Harris County MUD 1	506	508	509	509	511	536
Northwest Harris County MUD 16	3,539	3,638	3,664	3,702	3,834	3,941
Parkway MUD	6,534	6,679	6,685	6,692	6,643	6,645
Pasadena	111,532	113,133	114,008	114,395	114,425	114,145
Pine Village PUD	2,876	2,989	3,005	3,064	3,010	3,018
Pinewood Community	931	962	989	1,012	1,052	1,057
Quadvest*	142	142	170	177	176	178
Rolling Fork PUD	2,372	2,436	2,522	2,554	2,524	2,528
Sequoia Improvement District	895	894	895	895	883	884

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DRAFT Region H Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
South Houston	16,605	16,915	17,017	17,063	17,109	17,098
Southern Water	4,864	4,892	5,148	5,283	5,172	5,158
Southside Place	1,903	1,940	1,941	1,941	1,896	1,862
Southwest Harris County MUD 1	1,696	1,751	1,751	1,758	1,750	1,748
Spring Meadows MUD	2,380	2,895	2,914	2,914	2,914	2,914
Spring Valley	4,317	4,445	4,447	4,447	4,417	4,402
Suburban Utility	6,060	6,410	8,203	8,663	8,796	8,863
Sunbelt FWSD	27,122	27,703	28,114	28,491	28,194	28,209
The Commons Water Supply	2,963	2,963	2,963	2,963	2,963	2,963
Tomball	16,645	18,045	20,593	21,721	23,140	23,694
Trail of the Lakes MUD	10,402	10,547	10,861	11,018	11,373	11,457
Waller	897	1,140	1,138	1,136	1,136	1,136
West Harris County MUD 6	2,816	2,871	2,868	2,855	2,866	2,896
West Harris County Regional Water Authority	587,400	608,870	614,044	616,828	633,481	649,291
West University Place	15,512	15,777	15,795	15,773	15,342	15,085
Westfield Garden Park	622	627	627	627	621	621
Windfern Forest Utility District	4,821	4,830	4,922	4,964	4,910	4,903
Woodcreek MUD	2,882	2,882	2,882	2,882	2,882	2,882
County-Other	189,309	227,061	248,772	261,843	268,883	271,807
Harris County / San Jacinto-Brazos Basin Total	369,333	379,440	384,011	386,050	385,866	386,764
Baybrook MUD 1	2,337	2,472	2,503	2,519	2,587	2,670
Clear Brook City MUD	20,487	20,622	20,526	20,430	20,643	20,744
Clear Lake City Water Authority	64,000	65,297	66,088	66,495	66,840	66,065
Deer Park	25,983	26,227	26,409	26,486	26,595	26,490
Friendswood	11,040	11,243	11,157	11,069	11,195	11,345
Harris County MUD 55	15,587	15,782	15,609	15,444	15,535	15,637
Harris County WCID 156	814	815	815	815	815	810
Harris County WCID 161	1,413	1,413	1,413	1,413	1,397	1,368
Harris County WCID 50	3,181	3,187	3,187	3,187	3,176	3,164
Harris County WCID 89	4,779	4,839	4,836	4,833	4,798	4,798
Houston	96,982	99,933	102,458	103,544	103,016	103,280
Kirkmont MUD	2,472	2,522	2,502	2,481	2,494	2,500
La Porte	33,002	35,375	35,675	35,898	34,780	35,673
League City	2,499	2,516	2,499	2,481	2,555	2,626
Morgans Point	283	301	301	301	298	288
Nassau Bay	5,405	5,467	5,494	5,513	5,532	5,514

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DRAFT Region H Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Pasadena	30,801	31,243	31,485	31,592	31,600	31,523
Pearland	9,743	10,040	10,161	10,278	10,429	10,592
Sagemeadow UD	7,231	7,319	7,270	7,221	7,321	7,436
Seabrook	13,856	14,105	14,306	14,390	14,374	14,317
Shoreacres	1,534	1,534	1,543	1,546	1,555	1,561
Webster	11,307	11,675	11,734	11,756	11,802	11,763
County-Other	4,597	5,513	6,040	6,358	6,529	6,600
Harris County / Trinity-San Jacinto Basin Total	72,992	85,945	91,757	94,525	94,723	94,113
Baytown	41,150	47,797	50,231	50,976	50,061	48,995
Lake MUD	475	491	500	504	530	535
Spring Meadows MUD	2,136	2,597	2,614	2,614	2,614	2,614
County-Other	29,231	35,060	38,412	40,431	41,518	41,969
Leon County Total	14,943	14,118	13,293	12,738	12,162	11,564
Leon County / Brazos Basin Total	4,005	4,001	4,046	4,040	4,051	4,089
Concord-Robbins WSC	1,391	1,187	956	820	668	500
High Prairie WSC	92	133	186	212	244	282
Hilltop Lakes WSC	1,515	1,844	2,256	2,472	2,727	3,034
Jewett	94	67	49	35	25	18
Normangee	73	54	40	30	22	16
Southeast WSC	37	37	37	36	36	36
County-Other	803	679	522	435	329	203
Leon County / Trinity Basin Total	10,938	10,117	9,247	8,698	8,111	7,475
Buffalo	1,573	1,490	1,396	1,337	1,270	1,195
Centerville	872	861	845	835	820	803
Concord-Robbins WSC	405	345	278	238	195	145
Flo Community WSC*	3,079	2,967	2,867	2,790	2,716	2,643
Jewett	467	334	243	172	122	89
Normangee	216	159	119	87	65	48
Southeast WSC	2,080	2,060	2,040	2,021	2,002	1,983
County-Other	2,246	1,901	1,459	1,218	921	569
Liberty County Total	115,074	144,265	176,682	209,923	243,006	278,364
Liberty County / Neches Basin Total	3,960	4,046	4,148	4,256	4,398	4,566
Daisetta	931	931	931	931	931	931
Devers	1	1	1	1	1	1
Hardin WSC	1,952	1,988	2,032	2,076	2,155	2,256

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DRAFT Region H Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Liberty County FWSD 1 Hull	486	486	486	486	486	486
West Hardin WSC*	448	448	448	448	448	448
County-Other	142	192	250	314	377	444
Liberty County / Neches-Trinity Basin Total	44	59	77	97	116	137
County-Other	44	59	77	97	116	137
Liberty County / San Jacinto Basin Total	44,448	56,944	70,816	84,139	98,177	113,082
Cleveland	7,976	8,930	10,011	11,007	12,022	13,015
Mercy WSC	674	674	675	675	675	717
Quadvest*	5,172	5,961	7,114	7,685	8,451	9,282
South Cleveland WSC	7,602	11,706	15,701	19,054	23,080	27,341
Splendora	1,639	2,167	2,495	3,013	3,458	3,934
T & W Water Service	254	332	411	480	544	612
Tarkington SUD	3,893	3,970	4,082	4,176	4,304	4,407
County-Other	17,238	23,204	30,327	38,049	45,643	53,774
Liberty County / Trinity Basin Total	56,802	70,052	84,544	100,077	114,802	130,610
Ames Minglewood WSC	1,212	1,212	1,214	1,214	1,281	1,345
Dayton	12,178	15,207	17,505	19,872	21,619	23,536
Devers	542	542	542	542	544	547
Hardin WSC	2,242	2,284	2,334	2,385	2,476	2,592
Lake Livingston WSC*	969	969	969	969	969	969
Liberty	8,205	8,337	8,502	8,696	8,793	8,867
Raywood WSC	709	709	709	729	786	871
T & W Water Service	963	1,261	1,562	1,823	2,066	2,324
Tarkington SUD	1,621	1,653	1,699	1,738	1,792	1,834
Woodcreek Water Of Liberty	87	87	115	140	141	145
County-Other	28,074	37,791	49,393	61,969	74,335	87,580
Liberty County / Trinity-San Jacinto Basin Total	9,820	13,164	17,097	21,354	25,513	29,969
Dayton	560	700	806	915	995	1,083
County-Other	9,260	12,464	16,291	20,439	24,518	28,886
Madison County Total	13,618	13,805	13,876	13,996	14,121	14,251
Madison County / Brazos Basin Total	1,281	1,302	1,311	1,326	1,341	1,357
High Prairie WSC	239	238	238	238	237	237
North Zulch MUD	694	694	694	694	694	694

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DRAFT Region H Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
County-Other	348	370	379	394	410	426
Madison County / Trinity Basin Total	12,337	12,503	12,565	12,670	12,780	12,894
High Prairie WSC	1,522	1,520	1,517	1,514	1,512	1,509
Madisonville	4,312	4,304	4,295	4,286	4,277	4,268
Normangee	56	56	56	56	56	56
North Zulch MUD	1,306	1,306	1,306	1,306	1,306	1,306
TDCJ Ferguson Unit	2,413	2,413	2,413	2,413	2,413	2,413
County-Other	2,728	2,904	2,978	3,095	3,216	3,342
Montgomery County Total	759,919	913,804	1,063,722	1,187,174	1,277,864	1,355,552
Montgomery County / San Jacinto Basin Total	759,919	913,804	1,063,722	1,187,174	1,277,864	1,355,552
Blaketree MUD 1 of Montgomery County	142	265	465	509	509	509
Chateau Woods MUD	3,099	4,100	4,166	4,277	4,332	4,451
Conroe	97,770	119,199	150,040	180,569	198,690	216,713
Conroe Resort Utilities	755	805	877	951	1,024	1,100
Corinthian Point MUD 2	631	687	813	854	889	918
Cut & Shoot	10,488	13,013	15,408	17,596	19,538	19,939
Dobbin Plantersville WSC*	9,739	15,753	21,728	26,082	29,347	30,982
Domestic Water	1,386	1,399	1,435	1,581	1,721	1,748
East Montgomery County MUD 6	2,159	2,277	2,588	3,167	3,622	3,561
East Plantation UD	1,182	1,193	1,707	1,976	1,937	1,947
Far Hills UD	1,184	1,500	1,737	1,897	2,031	2,130
G & W WSC*	64	79	102	115	137	149
Grand Oaks MUD	1,147	1,211	1,227	1,246	1,276	1,301
Harris-Montgomery Counties MUD 386	2,710	2,818	2,822	2,831	2,853	3,027
HMW SUD	7,402	8,713	9,986	10,760	11,369	11,853
Houston	7,931	8,545	9,262	9,840	10,373	10,821
Johnston Water Utility	2,858	4,151	4,937	5,470	5,914	6,257
Keenan WSC	1,119	1,545	2,157	2,431	2,627	2,796
Kings Manor MUD	2,954	3,014	3,082	3,154	3,226	3,304
Lake Bonanza WSC	2,440	2,960	3,521	3,918	4,199	4,393
Lake Conroe Hills MUD	1,709	2,014	2,083	2,153	2,224	2,298
Lazy River Improvement District	1,145	1,213	1,253	1,319	1,380	1,444
Magnolia	3,168	3,780	4,417	4,634	4,773	4,933
Montgomery	2,845	3,643	3,809	3,900	3,982	4,040
Montgomery County MUD 105	1,218	1,297	1,370	1,431	1,505	1,555

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DRAFT Region H Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Montgomery County MUD 112	3,515	3,743	3,990	4,004	4,097	5,174
Montgomery County MUD 115	4,820	4,958	5,157	5,271	5,457	5,637
Montgomery County MUD 119	9,636	10,595	11,052	11,518	11,989	12,477
Montgomery County MUD 126	999	1,150	1,482	1,908	2,256	2,225
Montgomery County MUD 127	4,279	4,322	4,346	4,361	4,462	4,576
Montgomery County MUD 137	1,246	1,499	1,704	1,814	1,883	1,915
Montgomery County MUD 139	4,390	4,390	4,390	4,390	4,390	4,390
Montgomery County MUD 15	7,165	7,647	7,795	7,913	8,104	8,316
Montgomery County MUD 18	4,706	5,005	5,187	5,359	5,532	5,712
Montgomery County MUD 19	2,755	2,801	2,824	2,847	2,847	2,864
Montgomery County MUD 24	1,058	1,295	1,346	1,398	1,451	1,507
Montgomery County MUD 56	1,143	1,195	1,294	1,318	1,354	1,375
Montgomery County MUD 8	4,127	4,286	4,430	4,577	4,726	4,881
Montgomery County MUD 83	2,178	2,282	2,364	2,444	2,524	2,602
Montgomery County MUD 84	2,439	2,583	2,700	2,809	2,916	3,021
Montgomery County MUD 88	3,686	3,702	3,716	3,724	3,840	3,972
Montgomery County MUD 89	5,561	5,714	5,891	6,080	6,311	6,550
Montgomery County MUD 9	4,886	5,025	5,202	5,384	5,569	5,761
Montgomery County MUD 94	5,779	6,252	6,476	6,706	6,938	7,180
Montgomery County MUD 95	3,367	4,220	4,560	4,583	4,690	4,728
Montgomery County MUD 98	2,437	2,502	2,576	2,654	2,734	2,816
Montgomery County MUD 99	1,516	1,675	1,937	2,016	2,189	2,200
Montgomery County UD 2	1,640	1,886	1,941	1,998	2,055	2,114
Montgomery County UD 3	2,259	2,338	2,432	2,529	2,627	2,726
Montgomery County UD 4	3,445	3,561	3,696	3,837	3,979	4,126
Montgomery County WCID 1	5,662	6,314	6,492	6,519	6,666	6,795
MSEC Enterprises*	18,756	24,266	28,726	31,536	32,360	33,893
New Caney MUD	17,475	21,696	24,651	27,264	29,482	30,559
North Harris County Regional Water Authority	42	49	52	54	56	58
Oak Ridge North	3,167	3,752	3,975	4,448	4,412	4,412
Panorama Village	2,970	3,095	3,174	3,256	3,341	3,428
Patton Village	832	969	1,202	1,547	1,588	1,627
Pinehurst Decker Prairie WSC	1,514	1,900	2,255	2,696	2,920	3,065
Point Aquarius MUD	2,725	3,339	3,829	4,157	4,320	4,489
Porter SUD	29,274	35,914	39,551	42,109	44,098	46,225
Quadvest*	23,623	29,654	34,273	36,954	38,611	40,893
Ranch Crest Water	1,150	1,342	1,383	1,385	1,407	1,439

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DRAFT Region H Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Rayford Road MUD	8,450	8,652	8,879	9,031	9,298	9,572
River Plantation MUD	2,636	3,365	3,924	4,923	4,849	4,852
Roman Forest Consolidated MUD	1,607	2,178	2,763	3,564	3,940	3,958
Shenandoah	5,206	6,252	6,480	6,704	6,771	6,815
Southern Montgomery County MUD	9,795	10,240	10,300	10,336	10,626	10,837
Splendora	9,888	12,880	16,319	20,773	24,447	24,464
Spring Creek UD	10,112	10,432	10,792	11,128	11,468	11,789
Stanley Lake MUD	3,833	3,970	4,093	4,217	4,326	4,476
T & W Water Service	8,375	9,443	11,010	12,170	13,229	13,698
The Woodlands	101,086	106,009	108,589	109,665	113,970	125,806
Valley Ranch MUD 1	3,322	3,849	4,145	4,280	4,413	4,554
Westwood North WSC	3,408	3,599	4,099	4,162	4,162	4,900
White Oak WSC	1,753	2,114	2,311	2,680	2,854	3,111
Willis	6,593	7,061	7,519	7,913	8,252	8,507
Wood Branch Village	1,664	2,122	2,699	3,599	3,706	3,813
Wood Trace MUD 1	1,568	1,607	1,656	1,759	1,850	1,919
Woodland Oaks Utility	3,951	4,457	4,886	5,178	5,424	5,611
Woodridge MUD	2,012	2,312	2,448	2,586	2,726	2,870
County-Other	211,193	281,172	351,767	406,478	447,894	476,103
Polk County Total	49,128	53,052	54,988	57,102	59,421	61,965
Polk County / Trinity Basin Total	49,128	53,052	54,988	57,102	59,421	61,965
Lake Livingston WSC*	9,887	10,732	11,150	11,606	12,107	12,656
Leggett WSC*	1,653	1,787	1,854	1,926	2,005	2,093
Livingston	6,638	7,189	7,462	7,759	8,085	8,443
Memorial Point UD	761	827	860	895	934	977
Moscow WSC*	206	225	233	243	253	264
Onalaska WSC	3,627	3,939	4,093	4,261	4,446	4,648
Providence WSC	5,360	5,822	6,051	6,301	6,574	6,875
Soda WSC*	1,848	2,007	2,085	2,172	2,266	2,369
Tempe WSC 1	3,022	3,283	3,411	3,552	3,706	3,875
County-Other*	16,126	17,241	17,789	18,387	19,045	19,765
San Jacinto County Total	28,041	27,821	27,068	26,335	25,531	24,649
San Jacinto County / San Jacinto Basin Total	12,183	12,088	11,759	11,440	11,090	10,706
Dodge Oakhurst WSC	71	70	68	66	64	62
Mercy WSC	4,039	4,008	3,899	3,793	3,677	3,549
One Five O WSC	2,325	2,306	2,244	2,182	2,116	2,042

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DRAFT Region H Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
P B & S C WSC	199	198	192	187	181	175
San Jacinto SUD	601	596	581	566	549	530
County-Other	4,948	4,910	4,775	4,646	4,503	4,348
San Jacinto County / Trinity Basin Total	15,858	15,733	15,309	14,895	14,441	13,943
Cape Royale UD	585	580	564	548	532	513
Dodge Oakhurst WSC	579	574	559	544	528	509
Lake Livingston WSC*	2,330	2,311	2,248	2,187	2,119	2,046
P B & S C WSC	1,698	1,683	1,638	1,593	1,545	1,492
Riverside SUD	479	475	462	449	436	421
San Jacinto SUD	1,711	1,699	1,654	1,610	1,562	1,508
Shepherd	1,986	1,971	1,920	1,868	1,812	1,751
Waterwood MUD 1	294	292	284	277	268	259
County-Other	6,196	6,148	5,980	5,819	5,639	5,444
Trinity County Total	10,118	9,471	8,857	8,449	8,026	7,587
Trinity County / Trinity Basin Total	10,118	9,471	8,857	8,449	8,026	7,587
Glendale WSC	532	499	466	444	422	398
Groveton*	445	417	392	377	361	344
Pennington WSC*	642	600	561	535	508	480
Trinity	3,119	2,918	2,727	2,598	2,465	2,327
Trinity Rural WSC	2,875	2,693	2,521	2,408	2,290	2,169
Westwood Shores MUD	792	742	693	660	627	592
County-Other*	1,713	1,602	1,497	1,427	1,353	1,277
Walker County Total	91,068	97,641	108,926	122,073	136,496	152,319
Walker County / San Jacinto Basin Total	62,060	66,978	75,414	85,489	96,494	108,527
Dodge Oakhurst WSC	1,072	1,299	1,673	2,180	2,717	3,292
Huntsville	49,671	54,149	61,752	71,028	81,097	92,058
New Waverly	870	772	689	594	515	448
One Five O WSC	56	67	84	108	133	160
Phelps SUD	1,284	1,310	1,360	1,389	1,428	1,477
Quadvest*	588	766	1,058	1,462	1,889	2,344
Walker County SUD	3,689	3,957	4,385	4,850	5,357	5,912
County-Other	4,830	4,658	4,413	3,878	3,358	2,836
Walker County / Trinity Basin Total	29,008	30,663	33,512	36,584	40,002	43,792
Dodge Oakhurst WSC	1,416	1,714	2,209	2,877	3,586	4,345
Huntsville	9,511	10,368	11,824	13,600	15,528	17,626

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DRAFT Region H Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Lake Livingston WSC*	374	432	529	657	793	940
Phelps SUD	562	573	596	608	625	647
Riverside SUD	4,801	5,064	5,525	6,023	6,580	7,199
Trinity Rural WSC	32	20	12	12	12	12
Walker County SUD	5,705	6,120	6,781	7,501	8,285	9,143
County-Other	6,607	6,372	6,036	5,306	4,593	3,880
Waller County Total	71,599	85,525	101,637	119,998	139,204	158,434
Waller County / Brazos Basin Total	37,213	41,607	48,010	56,096	65,213	74,833
Brookshire MWD	5,628	5,866	5,875	5,951	6,458	6,955
G & W WSC*	2,434	2,474	2,513	2,549	2,576	2,619
Hempstead	6,638	6,824	6,828	6,861	6,912	6,915
Pattison WSC	1,492	1,505	1,583	1,624	1,666	1,702
Prairie View	2,572	3,143	3,403	3,716	4,087	4,360
Prairie View A&M University	6,036	6,132	6,176	6,229	6,289	6,365
Quadvest*	2	2	2	2	5	7
County-Other	12,411	15,661	21,630	29,164	37,220	45,910
Waller County / San Jacinto Basin Total	34,386	43,918	53,627	63,902	73,991	83,601
G & W WSC*	8,507	8,647	8,783	8,905	9,001	9,151
Katy	4,711	10,430	13,060	15,329	17,001	17,808
North Fort Bend Water Authority	79	126	345	379	397	398
Oak Hollow Utility	2,041	2,042	2,044	2,068	2,080	2,080
Prairie View	1,241	1,517	1,642	1,793	1,972	2,104
Prairie View A&M University	13	13	13	13	13	13
Quadvest*	127	127	127	127	299	423
Waller	1,965	2,040	2,226	2,300	2,411	2,485
Willow Creek Farms MUD	3,815	3,978	4,671	5,058	5,170	5,170
County-Other	11,887	14,998	20,716	27,930	35,647	43,969
Region H Population Total	8,245,006	8,927,345	9,536,233	9,995,159	10,398,715	10,778,027

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**APPENDIX TM-A2
2026 RWP WUG DEMAND**

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DRAFT Region H Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Austin County Total	13,138	13,296	13,481	13,573	13,643	13,711
Austin County / Brazos Basin Total	8,398	8,545	8,722	8,810	8,877	8,940
Austin County WSC	306	345	377	393	401	409
Bellville	1,180	1,195	1,232	1,250	1,265	1,281
Sealy	1,416	1,478	1,559	1,594	1,621	1,637
West End WSC*	111	110	110	110	110	110
County-Other	1,267	1,290	1,306	1,313	1,318	1,327
Manufacturing	15	16	17	18	19	20
Mining	73	81	91	102	113	126
Steam Electric Power	888	888	888	888	888	888
Livestock	919	919	919	919	919	919
Irrigation	2,223	2,223	2,223	2,223	2,223	2,223
Austin County / Brazos-Colorado Basin Total	4,696	4,707	4,715	4,719	4,722	4,727
Austin County WSC	26	30	32	34	34	35
Sealy	8	8	9	9	9	9
Wallis	153	152	152	152	152	153
County-Other	442	450	455	457	460	463
Livestock	283	283	283	283	283	283
Irrigation	3,784	3,784	3,784	3,784	3,784	3,784
Austin County / Colorado Basin Total	44	44	44	44	44	44
West End WSC*	7	7	7	7	7	7
County-Other	17	17	17	17	17	17
Livestock	20	20	20	20	20	20
Brazoria County Total	393,739	406,382	418,392	429,616	440,892	452,023
Brazoria County / Brazos Basin Total	179,454	185,900	192,587	199,478	206,625	214,022
Brazoria	45	45	45	44	43	41
Brazoria County FWSD 1	85	94	94	94	94	94
Freeport	139	135	134	130	127	122
Lake Jackson	135	131	130	127	124	120
Varner Creek UD	320	319	312	312	310	301
West Columbia	292	290	287	283	279	271
County-Other	871	934	1,012	1,049	1,090	1,131
Manufacturing	172,555	178,940	185,561	192,427	199,546	206,930
Livestock	315	315	315	315	315	315

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DRAFT Region H Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Irrigation	4,697	4,697	4,697	4,697	4,697	4,697
Brazoria County / Brazos-Colorado Basin Total	45,818	47,360	48,996	50,553	52,171	53,832
Brazoria	314	310	310	303	297	287
Brazoria County FWSD 1	18	20	20	20	20	20
Freeport	3	3	3	3	2	2
Sweeny	500	499	497	492	485	469
West Columbia	165	164	162	160	157	153
County-Other	2,606	2,796	3,029	3,141	3,263	3,385
Manufacturing	36,666	38,022	39,429	40,888	42,401	43,970
Livestock	357	357	357	357	357	357
Irrigation	5,189	5,189	5,189	5,189	5,189	5,189
Brazoria County / San Jacinto-Brazos Basin Total	168,467	173,122	176,809	179,585	182,096	184,169
Alvin	3,151	3,259	3,458	3,474	3,448	3,462
Angleton	1,906	1,899	1,876	1,835	1,789	1,725
Brazoria County MUD 2	1,566	1,645	1,702	1,779	1,806	1,800
Brazoria County MUD 21	685	701	701	706	707	703
Brazoria County MUD 22	474	478	479	479	506	522
Brazoria County MUD 25	411	418	419	423	427	432
Brazoria County MUD 29	428	459	459	462	475	485
Brazoria County MUD 3	629	643	651	668	686	696
Brazoria County MUD 31	851	850	842	842	840	828
Brazoria County MUD 39	678	739	739	788	819	830
Brazoria County MUD 55	396	395	390	386	381	370
Brazoria County MUD 6	1,531	1,626	1,641	1,693	1,731	1,756
Clute	1,571	1,528	1,513	1,473	1,429	1,370
Danbury	164	166	165	163	160	155
Fort Bend County FWSD 1	3	3	3	5	5	5
Freeport	1,272	1,236	1,223	1,194	1,162	1,117
Hillcrest Village	107	105	104	102	99	96
Lake Jackson	4,990	4,850	4,803	4,702	4,588	4,424
Manvel	849	1,321	1,761	1,945	2,144	2,314
Oyster Creek	262	261	259	250	239	227
Pearland	19,077	21,111	21,987	22,874	23,531	23,907
Quadvest*	147	147	146	145	144	141
Richwood	457	445	440	428	415	397

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DRAFT Region H Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Sedona Lakes MUD 1	277	291	323	337	338	344
Surfside Beach	233	233	228	217	207	194
TDCJ Darrington Unit	803	801	788	788	779	766
TDCJ Ramsey Area	2,776	2,773	2,773	2,773	2,773	2,773
County-Other	11,332	12,156	13,168	13,654	14,187	14,718
Manufacturing	29,320	30,405	31,530	32,696	33,906	35,160
Mining	508	565	625	691	762	839
Livestock	924	924	924	924	924	924
Irrigation	80,689	80,689	80,689	80,689	80,689	80,689
Chambers County Total	182,537	187,012	191,172	196,564	202,355	208,812
Chambers County / Neches-Trinity Basin Total	106,815	107,069	107,347	107,593	107,880	108,194
Anahuac	191	190	190	190	200	202
Trinity Bay Conservation District*	1,152	1,263	1,367	1,437	1,529	1,640
County-Other	126	186	274	360	452	556
Manufacturing	2,260	2,344	2,430	2,520	2,613	2,710
Livestock	431	431	431	431	431	431
Irrigation	102,655	102,655	102,655	102,655	102,655	102,655
Chambers County / Trinity Basin Total	36,532	38,759	40,498	43,194	46,100	49,375
Anahuac	36	36	36	36	38	38
Baytown	140	179	226	277	331	391
C C Water Works	241	347	479	607	745	903
Mont Belvieu	3,819	4,869	5,098	6,304	7,624	9,138
Trinity Bay Conservation District*	260	284	308	324	344	369
County-Other	1,238	1,820	2,686	3,524	4,422	5,448
Manufacturing	11,495	11,921	12,362	12,819	13,293	13,785
Livestock	48	48	48	48	48	48
Irrigation	19,255	19,255	19,255	19,255	19,255	19,255
Chambers County / Trinity-San Jacinto Basin Total	39,190	41,184	43,327	45,777	48,375	51,243
Baytown	745	954	1,200	1,471	1,759	2,082
C C Water Works	34	49	68	86	106	128
Chambers County MUD 1	422	452	490	531	575	624
Mont Belvieu	1,085	1,384	1,449	1,792	2,167	2,597
County-Other	1,320	1,941	2,864	3,758	4,713	5,808
Manufacturing	22,183	23,003	23,855	24,738	25,654	26,603

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DRAFT Region H Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Mining	1	1	1	1	1	1
Steam Electric Power	6,948	6,948	6,948	6,948	6,948	6,948
Livestock	42	42	42	42	42	42
Irrigation	6,410	6,410	6,410	6,410	6,410	6,410
Fort Bend County Total	278,220	311,389	341,092	365,052	388,512	410,256
Fort Bend County / Brazos Basin Total	135,523	149,348	164,710	176,870	189,218	200,436
First Colony MUD 9	493	498	525	549	575	597
Fort Bend County FWSD 2	24	25	27	28	30	31
Fort Bend County MUD 115	700	707	775	789	816	834
Fort Bend County MUD 116	950	1,104	1,104	1,123	1,137	1,159
Fort Bend County MUD 121	457	454	454	454	454	454
Fort Bend County MUD 128	2,532	2,566	2,583	2,583	2,629	2,689
Fort Bend County MUD 129	1,299	1,325	1,338	1,357	1,383	1,442
Fort Bend County MUD 140	371	369	372	372	425	466
Fort Bend County MUD 149	1,600	1,601	1,647	1,651	1,657	1,686
Fort Bend County MUD 152	680	678	682	715	746	749
Fort Bend County MUD 155	629	764	928	1,058	1,171	1,237
Fort Bend County MUD 158	443	499	573	632	683	713
Fort Bend County MUD 162	266	265	286	313	394	428
Fort Bend County MUD 25	485	499	505	506	512	518
Fort Bend County MUD 46	625	682	728	750	751	753
Fort Bend County MUD 49	14	15	15	15	16	16
Fort Bend County MUD 5	367	411	459	480	485	488
Fort Bend County MUD 81	1,525	1,524	2,223	2,731	3,008	3,202
Fort Bend County WCID 3	360	360	360	360	390	408
Fulshear	706	1,170	1,186	1,218	1,260	1,290
Needville	148	239	278	287	290	291
North Fort Bend Water Authority	4,064	4,567	4,946	5,268	5,515	5,761
Pecan Grove MUD 1	2,712	2,939	3,081	3,136	3,165	3,205
Plantation MUD	395	405	426	431	437	448
Quadvest*	568	900	1,256	1,572	1,817	1,966
Richmond	2,886	3,108	3,265	3,296	3,397	3,551
Rosenberg	6,021	7,429	8,689	9,568	10,221	10,802
Royal Valley Utilities	899	994	1,036	1,178	1,206	1,265
Sienna Plantation	4,880	5,022	5,233	5,327	5,432	5,573
Sugar Land	18,050	18,621	19,135	19,500	19,897	20,411
TDCJ Jester Units	546	545	545	545	545	545

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DRAFT Region H Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Thunderbird UD	184	188	201	204	208	216
County-Other	11,477	20,659	31,582	40,555	50,194	58,814
Manufacturing	1,266	1,313	1,362	1,412	1,464	1,518
Mining	13	15	17	19	20	22
Steam Electric Power	51,631	51,631	51,631	51,631	51,631	51,631
Livestock	424	424	424	424	424	424
Irrigation	14,833	14,833	14,833	14,833	14,833	14,833
Fort Bend County / Brazos-Colorado Basin Total	16,509	19,978	23,547	26,449	29,580	32,372
Kendleton	90	492	492	492	514	527
Needville	181	290	339	349	352	353
County-Other	3,699	6,657	10,177	13,069	16,175	18,953
Livestock	138	138	138	138	138	138
Irrigation	12,401	12,401	12,401	12,401	12,401	12,401
Fort Bend County / San Jacinto Basin Total	60,357	67,088	72,010	76,053	79,421	82,752
Blue Ridge West MUD	943	944	962	1,014	1,033	1,053
Fort Bend County FWSD 2	86	89	95	100	105	111
Fort Bend County MUD 26	114	118	122	129	132	135
Fort Bend County WCID 2	4,433	4,794	5,024	5,208	5,385	5,586
Fulshear	48	79	80	83	85	87
Houston	7,272	7,902	8,292	8,703	9,008	9,268
Katy	2,364	3,019	3,389	3,420	3,677	3,924
Meadows Place	806	831	868	919	950	981
North Fort Bend Water Authority	39,043	43,877	47,517	50,614	52,989	55,350
Sugar Land	1,435	1,480	1,521	1,550	1,581	1,622
West Harris County Regional Water Authority	1,370	1,393	1,457	1,523	1,573	1,621
Willow Creek Farms MUD	63	80	91	91	91	91
County-Other	37	66	101	130	161	188
Manufacturing	1,968	2,041	2,116	2,194	2,276	2,360
Livestock	11	11	11	11	11	11
Irrigation	364	364	364	364	364	364
Fort Bend County / San Jacinto-Brazos Basin Total	65,831	74,975	80,825	85,680	90,293	94,696
First Colony MUD 9	847	854	902	944	987	1,024
Fort Bend County FWSD 1	689	1,103	1,258	1,300	1,358	1,414
Fort Bend County FWSD 2	457	470	504	529	557	588

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DRAFT Region H Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Fort Bend County MUD 131	245	260	273	279	316	336
Fort Bend County MUD 23	1,578	1,624	1,624	1,639	1,653	1,665
Fort Bend County MUD 24	286	315	315	315	316	318
Fort Bend County MUD 25	1,917	1,970	1,995	2,000	2,022	2,043
Fort Bend County MUD 26	506	526	543	574	587	603
Fort Bend County MUD 42	705	737	757	777	797	820
Fort Bend County MUD 46	6	7	7	8	8	8
Fort Bend County MUD 47	305	304	304	304	304	323
Fort Bend County MUD 48	499	504	510	539	553	560
Fort Bend County MUD 49	116	120	120	120	133	133
Fort Bend County WCID 2	4,844	5,237	5,489	5,690	5,883	6,103
Fulshear	3,170	5,255	5,327	5,467	5,659	5,795
Houston	928	1,009	1,058	1,111	1,150	1,183
Meadowcreek MUD	256	256	264	269	273	277
Missouri City	1,524	1,784	1,909	1,966	2,069	2,117
North Fort Bend Water Authority	25,306	28,439	30,799	32,805	34,344	35,875
Palmer Plantation MUD 1	437	439	439	439	443	462
Palmer Plantation MUD 2	332	330	331	331	331	331
Pearland	907	1,167	1,202	1,202	1,202	1,202
Pecan Grove MUD 1	36	39	41	42	42	43
Quail Valley UD	1,823	1,890	1,915	2,036	2,100	2,162
Sienna Plantation	2,273	2,339	2,437	2,481	2,529	2,595
Sugar Land	8,869	9,150	9,402	9,581	9,776	10,029
TDCJ Jester Units	2	2	2	2	2	2
Thunderbird UD	637	652	696	705	719	749
County-Other	2,283	4,110	6,283	8,068	9,985	11,700
Manufacturing	946	981	1,017	1,055	1,093	1,134
Livestock	100	100	100	100	100	100
Irrigation	3,002	3,002	3,002	3,002	3,002	3,002
Galveston County Total	120,121	123,670	126,897	129,663	132,209	134,760
Galveston County / Neches-Trinity Basin Total	1,320	1,333	1,340	1,346	1,348	1,349
Bolivar Peninsula SUD	1,251	1,264	1,271	1,277	1,279	1,280
Livestock	13	13	13	13	13	13
Irrigation	56	56	56	56	56	56

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DRAFT Region H Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Galveston County / San Jacinto-Brazos Basin Total	118,801	122,337	125,557	128,317	130,861	133,411
Bacliff MUD	720	739	752	763	768	773
Bayview MUD	120	126	131	134	135	137
Friendswood	5,665	5,868	6,014	6,129	6,200	6,256
Galveston	18,318	18,393	18,654	18,806	18,933	19,053
Galveston County FWSD 6	218	217	217	217	217	217
Galveston County MUD 12	322	321	321	321	321	321
Galveston County WCID 1	2,839	2,924	2,976	3,012	3,039	3,061
Galveston County WCID 12	825	848	865	872	878	883
Galveston County WCID 8	524	533	541	544	545	547
Hitchcock	833	854	855	859	866	872
Jamaica Beach	281	280	280	281	281	281
La Marque	3,814	4,059	4,184	4,267	4,321	4,369
League City	15,497	16,136	16,578	16,826	17,001	17,165
San Leon MUD	777	804	826	833	841	849
Texas City	7,658	7,945	8,176	8,327	8,430	8,520
County-Other	3,074	3,259	3,377	3,471	3,517	3,555
Manufacturing	46,363	48,078	49,857	51,702	53,615	55,599
Steam Electric Power	2,687	2,687	2,687	2,687	2,687	2,687
Livestock	204	204	204	204	204	204
Irrigation	8,062	8,062	8,062	8,062	8,062	8,062
Harris County Total	1,293,290	1,341,115	1,389,170	1,412,496	1,430,920	1,450,409
Harris County / San Jacinto Basin Total	1,042,045	1,077,387	1,113,341	1,130,602	1,143,524	1,157,269
Baker Road MUD	247	254	254	253	272	283
Baytown	7,483	8,647	9,088	9,222	9,057	8,864
Bellaire	3,865	3,930	3,935	3,940	3,882	3,841
Blue Bell Manor Utility	426	425	438	444	436	436
Bunker Hill Village	1,666	1,749	1,750	1,751	1,756	1,749
Central Harris County Regional Water Authority	5,344	5,380	5,443	5,487	5,627	5,723
Chimney Hill MUD	534	530	530	530	530	531
Country Terrace Water	166	166	166	166	166	165
Crosby MUD	1,201	1,329	1,340	1,394	1,485	1,485
Deer Park	1,372	1,379	1,388	1,392	1,398	1,392
Douglas Utility	285	286	291	296	290	291
El Dorado UD	419	431	466	476	485	490

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DRAFT Region H Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Forest Hills MUD	263	261	261	261	259	257
Fort Bend County WCID 2	325	325	325	326	328	335
Galena Park	806	804	826	836	848	812
Green Trails MUD	594	606	607	607	622	633
Greenwood UD	723	724	724	724	718	719
Harris County FWSD 1-A	227	227	229	229	230	224
Harris County FWSD 27	301	355	376	387	448	428
Harris County FWSD 58	336	337	337	337	337	337
Harris County MUD 106	614	621	643	654	679	688
Harris County MUD 11	372	370	370	370	367	365
Harris County MUD 119	784	801	801	802	796	794
Harris County MUD 122	133	136	136	135	137	146
Harris County MUD 132	1,906	1,951	2,016	2,041	2,101	2,132
Harris County MUD 148	594	605	665	694	695	697
Harris County MUD 151	1,107	1,121	1,144	1,157	1,206	1,216
Harris County MUD 152	1,012	1,024	1,059	1,072	1,109	1,122
Harris County MUD 153	1,491	1,512	1,553	1,571	1,621	1,639
Harris County MUD 154	1,293	1,301	1,334	1,343	1,380	1,395
Harris County MUD 180	524	531	534	536	546	560
Harris County MUD 189	562	580	587	592	613	640
Harris County MUD 216	498	507	505	503	505	508
Harris County MUD 221	532	533	545	549	561	566
Harris County MUD 23	403	402	402	402	399	397
Harris County MUD 261	283	294	302	305	304	306
Harris County MUD 278	939	943	1,008	1,031	1,043	1,051
Harris County MUD 290	1,150	1,173	1,242	1,271	1,312	1,327
Harris County MUD 321	254	278	285	288	285	284
Harris County MUD 342	735	741	898	971	974	991
Harris County MUD 344	1,101	1,331	1,331	1,331	1,332	1,333
Harris County MUD 345	939	945	951	956	997	1,001
Harris County MUD 36	606	633	862	959	965	996
Harris County MUD 361	639	645	679	694	712	719
Harris County MUD 372	768	810	809	810	833	860
Harris County MUD 400	1,511	1,525	1,614	1,650	1,704	1,722
Harris County MUD 412	878	897	1,022	1,073	1,091	1,106
Harris County MUD 420	145	143	152	152	148	148
Harris County MUD 46	657	654	656	658	658	658

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DRAFT Region H Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Harris County MUD 49	827	841	888	912	914	917
Harris County MUD 494	381	387	413	424	438	443
Harris County MUD 5	506	509	514	519	531	548
Harris County MUD 50	439	448	467	474	496	509
Harris County MUD 504	426	424	425	426	427	429
Harris County MUD 58	262	261	261	261	261	261
Harris County MUD 6	408	408	409	409	405	404
Harris County MUD 8	517	526	554	566	558	559
Harris County MUD 96	697	694	743	762	767	773
Harris County UD 14	210	211	213	213	213	215
Harris County UD 15	528	528	528	528	539	549
Harris County WCID 1	1,218	1,230	1,284	1,306	1,383	1,395
Harris County WCID 133	741	755	756	757	752	750
Harris County WCID 70	229	228	228	228	228	228
Harris County WCID 74	671	676	697	699	690	690
Harris County WCID 96	1,494	1,520	1,727	1,789	1,753	1,759
Harris County WCID-Fondren Road	258	263	263	263	261	261
Hilshire Village	208	207	207	208	206	205
HMW SUD	304	305	309	310	319	328
Houston	437,229	448,984	460,326	465,207	462,834	464,022
Humble	4,690	4,841	5,536	5,860	6,051	6,144
Jacinto City	665	664	688	697	708	670
Jersey Village	1,793	1,849	1,867	1,878	1,931	1,999
Katy	2,926	2,976	2,997	3,017	3,086	3,169
Kings Manor MUD	144	143	143	143	144	144
La Porte	336	358	361	363	351	361
Lake MUD	676	693	708	712	748	756
Longhorn Town UD	423	423	422	420	421	432
Luce Bayou PUD	80	153	155	156	156	157
Mason Creek UD	1,400	1,413	1,414	1,415	1,444	1,472
Meadows Place	1	1	1	1	1	1
Memorial Villages Water Authority	6,101	6,155	6,648	6,857	6,756	6,755
Morgans Point	10	11	11	11	11	10
Mount Houston Road MUD	760	772	775	775	768	765
Newport MUD	1,545	1,543	1,653	1,718	1,789	1,791
Nitsch and Son Utility	226	225	225	225	225	225
North Belt UD	781	781	904	958	964	978

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DRAFT Region H Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
North Channel Water Authority	13,418	13,844	14,640	15,061	15,089	15,204
North Forest MUD	201	200	202	202	202	209
North Fort Bend Water Authority	2,064	2,104	2,114	2,118	2,196	2,280
North Green MUD	536	545	562	570	581	586
North Harris County Regional Water Authority	139,283	141,812	145,939	147,949	152,814	156,039
Northeast Harris County MUD 1	131	131	131	131	132	138
Northwest Harris County MUD 16	479	490	493	498	516	531
Parkway MUD	537	544	545	545	541	541
Pasadena	16,026	16,164	16,289	16,344	16,348	16,308
Pine Village PUD	281	291	292	298	293	293
Pinewood Community	84	86	88	90	94	94
Quadvest*	31	31	37	39	38	39
Rolling Fork PUD	404	414	428	434	429	429
Sequoia Improvement District	138	138	138	138	136	136
South Houston	1,832	1,854	1,865	1,870	1,875	1,874
Southern Water	493	493	519	532	521	520
Southside Place	279	283	283	283	277	272
Southwest Harris County MUD 1	119	121	121	122	121	121
Spring Meadows MUD	184	222	223	223	223	223
Spring Valley	1,154	1,185	1,186	1,186	1,178	1,174
Suburban Utility	563	591	756	799	811	817
Sunbelt FWSD	2,666	2,707	2,747	2,784	2,755	2,756
The Commons Water Supply	520	518	518	518	518	518
Tomball	4,119	4,449	5,077	5,355	5,705	5,842
Trail of the Lakes MUD	1,162	1,172	1,207	1,225	1,264	1,273
Waller	180	228	227	227	227	227
West Harris County MUD 6	367	372	371	370	371	375
West Harris County Regional Water Authority	72,864	75,125	75,763	76,107	78,161	80,112
West University Place	2,928	2,969	2,973	2,968	2,887	2,839
Westfield Garden Park	88	88	88	88	88	88
Windfern Forest Utility District	823	821	836	844	834	833
Woodcreek MUD	506	504	504	504	504	504
County-Other	25,024	29,542	32,366	34,067	34,983	35,363
Manufacturing	194,517	204,839	216,233	222,008	227,997	234,207
Mining	3,001	3,032	3,061	3,090	3,119	3,148
Steam Electric Power	26,442	26,442	26,442	26,442	26,442	26,442

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DRAFT Region H Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Livestock	831	831	831	831	831	831
Irrigation	8,647	8,647	8,647	8,647	8,647	8,647
Harris County / San Jacinto-Brazos Basin Total	131,236	136,335	141,261	143,712	145,814	148,139
Baybrook MUD 1	336	354	358	360	370	382
Clear Brook City MUD	1,989	1,987	1,978	1,969	1,989	1,999
Clear Lake City Water Authority	11,569	11,762	11,904	11,978	12,040	11,900
Deer Park	3,999	4,017	4,045	4,057	4,073	4,058
Friendswood	1,899	1,927	1,913	1,898	1,919	1,945
Harris County MUD 55	1,527	1,536	1,519	1,503	1,512	1,522
Harris County WCID 156	181	180	180	180	180	179
Harris County WCID 161	187	187	187	187	184	181
Harris County WCID 50	386	385	385	385	383	382
Harris County WCID 89	789	794	794	793	787	787
Houston	19,264	19,782	20,282	20,497	20,392	20,445
Kirkmont MUD	392	399	396	392	394	395
La Porte	4,476	4,764	4,804	4,834	4,684	4,804
League City	324	324	322	320	329	339
Morgans Point	142	148	148	148	147	143
Nassau Bay	1,387	1,399	1,406	1,411	1,416	1,411
Pasadena	4,426	4,464	4,498	4,514	4,515	4,504
Pearland	1,361	1,397	1,414	1,430	1,451	1,474
Sagemeadow UD	800	806	800	795	806	819
Seabrook	1,945	1,970	1,998	2,010	2,007	2,000
Shoreacres	334	333	335	335	337	339
Webster	2,840	2,921	2,935	2,941	2,952	2,943
County-Other	608	717	786	827	849	859
Manufacturing	69,853	73,560	77,652	79,726	81,876	84,107
Mining	9	9	9	9	9	9
Steam Electric Power	156	156	156	156	156	156
Livestock	57	57	57	57	57	57
Harris County / Trinity-San Jacinto Basin Total	120,009	127,393	134,568	138,182	141,582	145,001
Baytown	5,367	6,203	6,519	6,616	6,497	6,359
Lake MUD	40	41	41	42	44	44
Spring Meadows MUD	166	200	201	201	201	201
County-Other	3,864	4,561	4,998	5,260	5,402	5,460
Manufacturing	109,613	115,429	121,850	125,104	128,479	131,978

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DRAFT Region H Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Livestock	166	166	166	166	166	166
Irrigation	793	793	793	793	793	793
Leon County Total	6,485	6,415	6,366	6,341	6,316	6,300
Leon County / Brazos Basin Total	1,581	1,597	1,630	1,642	1,659	1,687
Concord-Robbins WSC	186	157	127	108	88	67
High Prairie WSC	13	19	27	31	35	41
Hilltop Lakes WSC	286	347	424	465	513	571
Jewett	15	11	8	6	4	3
Normangee	15	11	9	6	5	4
Southeast WSC	5	5	5	5	5	5
County-Other	87	73	56	47	35	22
Livestock	842	842	842	842	842	842
Irrigation	132	132	132	132	132	132
Leon County / Trinity Basin Total	4,904	4,818	4,736	4,699	4,657	4,613
Buffalo	342	323	303	290	275	259
Centerville	158	156	153	151	148	145
Concord-Robbins WSC	54	46	37	32	26	19
Flo Community WSC*	377	362	349	340	331	322
Jewett	74	52	38	27	19	14
Normangee	46	34	25	19	13	10
Southeast WSC	264	260	257	255	253	250
County-Other	243	204	157	131	99	61
Manufacturing	940	975	1,011	1,048	1,087	1,127
Mining	337	337	337	337	337	337
Livestock	1,699	1,699	1,699	1,699	1,699	1,699
Irrigation	370	370	370	370	370	370
Liberty County Total	60,956	64,713	68,889	73,126	77,272	81,696
Liberty County / Neches Basin Total	8,540	8,556	8,575	8,595	8,620	8,649
Daisetta	104	103	103	103	103	103
Devers	0	0	0	0	0	0
Hardin WSC	244	248	253	258	268	281
Liberty County FWSD 1 Hull	85	85	85	85	85	85
West Hardin WSC*	46	46	46	46	46	46
County-Other	17	23	30	37	44	52
Manufacturing	188	195	202	210	218	226

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DRAFT Region H Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Livestock	57	57	57	57	57	57
Irrigation	7,799	7,799	7,799	7,799	7,799	7,799
Liberty County / Neches-Trinity Basin Total	15,302	15,304	15,306	15,308	15,311	15,313
County-Other	5	7	9	11	14	16
Livestock	137	137	137	137	137	137
Irrigation	15,160	15,160	15,160	15,160	15,160	15,160
Liberty County / San Jacinto Basin Total	7,960	9,410	11,095	12,674	14,332	16,088
Cleveland	1,556	1,736	1,946	2,139	2,337	2,530
Mercy WSC	63	63	63	63	63	67
Quadvest*	1,131	1,300	1,551	1,676	1,843	2,024
South Cleveland WSC	625	958	1,285	1,559	1,889	2,237
Splendor	155	204	234	283	325	370
T & W Water Service	53	69	85	100	113	127
Tarkington SUD	399	405	416	426	438	449
County-Other	2,041	2,736	3,575	4,486	5,381	6,340
Mining	14	16	17	19	20	21
Livestock	116	116	116	116	116	116
Irrigation	1,807	1,807	1,807	1,807	1,807	1,807
Liberty County / Trinity Basin Total	25,383	27,270	29,265	31,388	33,351	35,453
Ames Minglewood WSC	142	141	141	141	149	156
Dayton	2,666	3,320	3,821	4,338	4,720	5,138
Devers	118	117	117	117	118	118
Hardin WSC	280	284	290	297	308	322
Lake Livingston WSC*	65	65	65	65	65	65
Liberty	1,529	1,549	1,579	1,615	1,633	1,647
Raywood WSC	115	114	114	117	127	140
T & W Water Service	200	262	325	378	429	483
Tarkington SUD	166	168	173	177	183	187
Woodcreek Water Of Liberty	8	8	11	13	14	14
County-Other	3,325	4,455	5,823	7,306	8,764	10,325
Manufacturing	51	53	55	57	59	61
Mining	173	189	206	222	237	252
Livestock	586	586	586	586	586	586
Irrigation	15,959	15,959	15,959	15,959	15,959	15,959

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DRAFT Region H Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Liberty County / Trinity-San Jacinto Basin Total	3,771	4,173	4,648	5,161	5,658	6,193
Dayton	123	153	176	200	217	236
County-Other	1,097	1,469	1,921	2,410	2,890	3,406
Livestock	76	76	76	76	76	76
Irrigation	2,475	2,475	2,475	2,475	2,475	2,475
Madison County Total	5,362	5,385	5,398	5,419	5,441	5,464
Madison County / Brazos Basin Total	793	796	797	800	803	806
High Prairie WSC	35	34	34	34	34	34
North Zulch MUD	91	91	91	91	91	91
County-Other	62	66	67	70	73	76
Mining	443	443	443	443	443	443
Livestock	112	112	112	112	112	112
Irrigation	50	50	50	50	50	50
Madison County / Trinity Basin Total	4,569	4,589	4,601	4,619	4,638	4,658
High Prairie WSC	220	219	219	218	218	217
Madisonville	871	867	865	863	861	860
Normangee	12	12	12	12	12	12
North Zulch MUD	172	170	170	170	170	170
TDCJ Ferguson Unit	1,168	1,167	1,167	1,167	1,167	1,167
County-Other	487	515	529	550	571	593
Mining	532	532	532	532	532	532
Livestock	904	904	904	904	904	904
Irrigation	203	203	203	203	203	203
Montgomery County Total	141,361	162,992	184,157	201,444	214,164	226,650
Montgomery County / San Jacinto Basin Total	141,361	162,992	184,157	201,444	214,164	226,650
Blaketree MUD 1 of Montgomery County	53	98	172	189	189	189
Chateau Woods MUD	340	448	455	467	473	486
Conroe	16,338	19,850	24,986	30,070	33,088	36,090
Conroe Resort Utilities	129	137	150	162	175	188
Corinthian Point MUD 2	182	197	233	245	255	264
Cut & Shoot	886	1,092	1,293	1,477	1,640	1,673
Dobbin Plantersville WSC*	705	1,134	1,564	1,877	2,112	2,229
Domestic Water	125	125	129	142	154	157
East Montgomery County MUD 6	276	290	329	403	461	453
East Plantation UD	228	230	329	381	373	375

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DRAFT Region H Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Far Hills UD	305	386	446	488	522	548
G & W WSC*	4	5	7	8	9	10
Grand Oaks MUD	120	126	128	130	133	135
Harris-Montgomery Counties MUD 386	374	387	387	389	392	416
HMW SUD	948	1,111	1,273	1,372	1,449	1,511
Houston	1,575	1,691	1,833	1,948	2,053	2,142
Johnston Water Utility	1,125	1,631	1,940	2,149	2,324	2,459
Keenan WSC	109	150	209	236	255	271
Kings Manor MUD	409	415	424	434	444	455
Lake Bonanza WSC	232	281	334	371	398	416
Lake Conroe Hills MUD	193	226	234	242	250	258
Lazy River Improvement District	266	281	290	306	320	335
Magnolia	695	827	966	1,014	1,044	1,079
Montgomery	661	844	883	904	923	936
Montgomery County MUD 105	206	218	230	241	253	261
Montgomery County MUD 112	862	915	975	979	1,002	1,265
Montgomery County MUD 115	823	842	876	896	927	958
Montgomery County MUD 119	1,435	1,570	1,638	1,707	1,777	1,849
Montgomery County MUD 126	142	163	210	270	320	315
Montgomery County MUD 127	288	290	292	293	300	308
Montgomery County MUD 137	204	245	278	296	308	313
Montgomery County MUD 139	691	689	689	689	689	689
Montgomery County MUD 15	547	580	591	600	615	631
Montgomery County MUD 18	2,051	2,178	2,257	2,332	2,407	2,486
Montgomery County MUD 19	715	725	731	737	737	741
Montgomery County MUD 24	166	203	211	219	227	236
Montgomery County MUD 56	104	108	117	119	122	124
Montgomery County MUD 8	1,246	1,292	1,335	1,379	1,424	1,471
Montgomery County MUD 83	398	415	430	444	459	473
Montgomery County MUD 84	526	556	581	604	627	650
Montgomery County MUD 88	663	663	666	667	688	712
Montgomery County MUD 89	938	959	989	1,021	1,060	1,100
Montgomery County MUD 9	2,073	2,129	2,204	2,281	2,359	2,440
Montgomery County MUD 94	797	859	889	921	953	986
Montgomery County MUD 95	535	669	723	726	743	749
Montgomery County MUD 98	268	273	282	290	299	308
Montgomery County MUD 99	329	362	419	436	473	476

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DRAFT Region H Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Montgomery County UD 2	410	471	484	499	513	527
Montgomery County UD 3	868	897	933	970	1,007	1,045
Montgomery County UD 4	1,081	1,116	1,158	1,202	1,247	1,293
Montgomery County WCID 1	458	508	522	524	536	546
MSEC Enterprises*	4,232	5,461	6,465	7,097	7,283	7,628
New Caney MUD	1,835	2,266	2,575	2,848	3,079	3,192
North Harris County Regional Water Authority	7	8	9	9	9	10
Oak Ridge North	553	652	691	773	767	767
Panorama Village	666	693	711	729	748	768
Patton Village	68	79	98	126	130	133
Pinehurst Decker Prairie WSC	148	185	220	263	285	299
Point Aquarius MUD	545	666	763	829	861	895
Porter SUD	2,656	3,259	3,589	3,821	4,001	4,194
Quadvest*	5,164	6,467	7,474	8,059	8,420	8,918
Ranch Crest Water	193	225	232	232	236	241
Rayford Road MUD	1,745	1,782	1,829	1,860	1,915	1,972
River Plantation MUD	627	799	932	1,169	1,151	1,152
Roman Forest Consolidated MUD	222	300	381	492	544	546
Shenandoah	2,244	2,689	2,787	2,883	2,912	2,931
Southern Montgomery County MUD	1,242	1,291	1,299	1,303	1,340	1,366
Splendor	935	1,210	1,534	1,952	2,298	2,299
Spring Creek UD	1,214	1,245	1,288	1,328	1,369	1,407
Stanley Lake MUD	827	854	880	907	930	962
T & W Water Service	1,744	1,960	2,286	2,527	2,746	2,844
The Woodlands	23,781	24,880	25,485	25,738	26,748	29,526
Valley Ranch MUD 1	361	416	448	462	477	492
Westwood North WSC	594	625	711	722	722	850
White Oak WSC	158	190	208	241	256	279
Willis	888	946	1,008	1,060	1,106	1,140
Wood Branch Village	183	233	296	395	407	418
Wood Trace MUD 1	211	216	222	236	248	258
Woodland Oaks Utility	357	400	438	465	487	504
Woodridge MUD	173	197	209	220	232	244
County-Other	25,114	33,287	41,645	48,122	53,025	56,365
Manufacturing	2,120	2,198	2,279	2,363	2,450	2,541
Mining	32	36	41	47	54	62
Steam Electric Power	9,283	9,283	9,283	9,283	9,283	9,283

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DRAFT Region H Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Livestock	495	495	495	495	495	495
Irrigation	5,642	5,642	5,642	5,642	5,642	5,642
Polk County Total	7,200	7,712	7,974	8,264	8,580	8,927
Polk County / Trinity Basin Total	7,200	7,712	7,974	8,264	8,580	8,927
Lake Livingston WSC*	664	721	749	780	814	851
Leggett WSC*	267	288	298	310	323	337
Livingston	2,759	2,983	3,096	3,220	3,355	3,504
Memorial Point UD	143	155	162	168	175	184
Moscow WSC*	30	32	33	35	36	38
Onalaska WSC	359	388	403	420	438	458
Providence WSC	379	409	425	442	462	483
Soda WSC*	209	226	234	244	255	266
Tempe WSC 1	219	236	245	255	266	278
County-Other*	1,611	1,713	1,767	1,827	1,892	1,964
Manufacturing*	8	8	8	8	8	8
Mining*	26	27	28	29	30	30
Livestock*	194	194	194	194	194	194
Irrigation*	332	332	332	332	332	332
San Jacinto County Total	3,795	3,755	3,669	3,585	3,492	3,392
San Jacinto County / San Jacinto Basin Total	1,520	1,503	1,470	1,436	1,400	1,360
Dodge Oakhurst WSC	8	8	8	7	7	7
Mercy WSC	377	372	362	352	342	330
One Five O WSC	238	235	229	223	216	208
P B & S C WSC	26	25	25	24	23	22
San Jacinto SUD	71	70	68	66	64	62
County-Other	545	538	523	509	493	476
Manufacturing	9	9	9	9	9	9
Mining	1	1	1	1	1	1
Livestock	170	170	170	170	170	170
Irrigation	75	75	75	75	75	75
San Jacinto County / Trinity Basin Total	2,275	2,252	2,199	2,149	2,092	2,032
Cape Royale UD	171	169	165	160	155	150
Dodge Oakhurst WSC	65	64	62	61	59	57
Lake Livingston WSC*	157	155	151	147	142	138
P B & S C WSC	219	217	210	205	199	192

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DRAFT Region H Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Riverside SUD	46	46	45	43	42	41
San Jacinto SUD	201	199	194	189	183	177
Shepherd	319	315	307	299	290	280
Waterwood MUD 1	111	110	107	104	101	97
County-Other	683	674	655	638	618	597
Mining	55	55	55	55	55	55
Livestock	175	175	175	175	175	175
Irrigation	73	73	73	73	73	73
Trinity County Total	1,607	1,529	1,459	1,413	1,366	1,315
Trinity County / Trinity Basin Total	1,607	1,529	1,459	1,413	1,366	1,315
Glendale WSC	73	68	64	61	58	54
Groveton*	61	57	53	51	49	47
Pennington WSC*	106	99	92	88	84	79
Trinity	333	310	290	276	262	247
Trinity Rural WSC	349	325	304	291	277	262
Westwood Shores MUD	117	109	102	97	92	87
County-Other*	115	108	101	96	91	86
Mining*	9	9	9	9	9	9
Livestock*	169	169	169	169	169	169
Irrigation*	275	275	275	275	275	275
Walker County Total	16,964	17,990	19,829	21,952	24,287	26,849
Walker County / San Jacinto Basin Total	11,521	12,336	13,790	15,519	17,409	19,475
Dodge Oakhurst WSC	120	145	187	243	303	367
Huntsville	8,804	9,570	10,913	12,553	14,332	16,269
New Waverly	141	125	111	96	83	72
One Five O WSC	6	7	9	11	14	16
Phelps SUD	134	136	142	145	149	154
Quadvest*	129	167	231	319	412	511
Walker County SUD	473	505	560	619	684	754
County-Other	989	951	901	792	685	579
Manufacturing	141	146	152	157	163	169
Livestock	345	345	345	345	345	345
Irrigation	239	239	239	239	239	239
Walker County / Trinity Basin Total	5,443	5,654	6,039	6,433	6,878	7,374
Dodge Oakhurst WSC	158	191	246	321	400	484

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DRAFT Region H Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Huntsville	1,686	1,832	2,090	2,403	2,744	3,115
Lake Livingston WSC*	25	29	36	44	53	63
Phelps SUD	59	60	62	63	65	67
Riverside SUD	462	488	532	580	634	693
Trinity Rural WSC	4	2	1	1	1	1
Walker County SUD	731	781	865	957	1,057	1,167
County-Other	1,353	1,301	1,232	1,083	938	792
Manufacturing	136	141	146	152	157	163
Mining	73	73	73	73	73	73
Livestock	435	435	435	435	435	435
Irrigation	321	321	321	321	321	321
Waller County Total	33,662	36,115	38,505	41,073	43,685	46,152
Waller County / Brazos Basin Total	13,641	14,243	15,050	16,063	17,224	18,427
Brookshire MWD	823	854	856	867	941	1,013
G & W WSC*	164	166	169	171	173	176
Hempstead	1,258	1,289	1,290	1,296	1,306	1,306
Pattison WSC	225	226	238	244	250	256
Prairie View	599	730	791	863	950	1,013
Prairie View A&M University	710	721	726	732	739	748
Quadvest*	0	0	0	0	1	1
County-Other	1,473	1,850	2,555	3,444	4,395	5,422
Manufacturing	5	5	5	5	6	6
Mining	109	127	145	166	188	211
Livestock	783	783	783	783	783	783
Irrigation	7,492	7,492	7,492	7,492	7,492	7,492
Waller County / San Jacinto Basin Total	20,021	21,872	23,455	25,010	26,461	27,725
G & W WSC*	571	581	590	599	605	615
Katy	1,117	2,467	3,089	3,625	4,021	4,212
North Fort Bend Water Authority	16	26	70	77	81	81
Oak Hollow Utility	193	192	192	194	196	196
Prairie View	289	353	381	417	458	489
Prairie View A&M University	1	2	2	2	2	2
Quadvest*	28	28	28	28	65	93
Waller	394	408	445	460	482	497
Willow Creek Farms MUD	893	930	1,092	1,183	1,209	1,209
County-Other	1,411	1,771	2,446	3,299	4,210	5,192

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DRAFT Region H Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Manufacturing	153	159	165	171	177	184
Livestock	403	403	403	403	403	403
Irrigation	14,552	14,552	14,552	14,552	14,552	14,552
Region H Demand Total	2,558,437	2,689,470	2,816,450	2,909,581	2,993,134	3,076,716

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APPENDIX TM-B

TWDB DB27 REPORTS RELATED TO AVAILABLE WATER SUPPLIES

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**APPENDIX TM-B1
2026 RWP SOURCE AVAILABILITY**

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DRAFT Region H Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	County	Basin	Salinity*	2030	2040	2050	2060	2070	2080
Groundwater Source Availability Total				944,294	872,810	892,774	906,422	916,960	923,788
Brazos River Alluvium Aquifer	Austin	Brazos	Fresh	7,944	7,944	7,944	7,944	7,944	7,944
Brazos River Alluvium Aquifer	Waller	Brazos	Fresh	12,027	12,027	12,027	12,027	12,027	12,027
Carrizo-Wilcox Aquifer	Leon	Brazos	Fresh	2,583	2,986	3,389	3,792	4,155	4,155
Carrizo-Wilcox Aquifer	Leon	Trinity	Fresh	6,967	8,106	9,246	10,387	11,413	11,413
Carrizo-Wilcox Aquifer	Madison	Brazos	Fresh	0	0	0	0	0	0
Carrizo-Wilcox Aquifer	Madison	Trinity	Fresh	0	0	0	0	0	0
Carrizo-Wilcox Aquifer	Trinity	Trinity	Fresh	1	1	1	1	1	1
Carrizo-Wilcox Aquifer	Walker	Trinity	Fresh	2,099	2,099	2,099	2,099	2,099	2,099
Gulf Coast Aquifer System	Austin	Brazos	Fresh	25,243	25,243	25,243	25,243	25,243	25,243
Gulf Coast Aquifer System	Austin	Brazos-Colorado	Fresh	20,652	20,652	20,652	20,652	20,652	20,652
Gulf Coast Aquifer System	Austin	Colorado	Fresh	665	665	665	665	665	665
Gulf Coast Aquifer System	Brazoria	Brazos	Fresh/Brackish	3,641	3,578	3,510	3,454	3,407	3,407
Gulf Coast Aquifer System	Brazoria	Brazos-Colorado	Fresh	10,049	9,846	9,582	9,324	9,072	9,072
Gulf Coast Aquifer System	Brazoria	San Jacinto-Brazos	Fresh	41,240	41,483	41,803	42,110	42,408	42,408
Gulf Coast Aquifer System	Chambers	Neches-Trinity	Fresh	9,968	9,968	9,968	9,968	9,968	9,968
Gulf Coast Aquifer System	Chambers	Trinity	Fresh	10,222	10,222	10,222	10,222	10,222	10,222
Gulf Coast Aquifer System	Chambers	Trinity-San Jacinto	Fresh	2,142	2,152	2,161	2,163	2,164	2,164
Gulf Coast Aquifer System	Fort Bend	Brazos	Fresh	32,748	42,145	48,609	53,428	56,827	58,305
Gulf Coast Aquifer System	Fort Bend	Brazos-Colorado	Fresh	15,492	16,178	16,207	16,221	16,261	16,287

* 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 H Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	County	Basin	Salinity*	2030	2040	2050	2060	2070	2080
Gulf Coast Aquifer System	Fort Bend	San Jacinto	Fresh	26,806	28,444	29,668	30,658	31,576	32,481
Gulf Coast Aquifer System	Fort Bend	San Jacinto-Brazos	Fresh	29,439	33,715	36,340	38,404	40,043	41,482
Gulf Coast Aquifer System	Galveston	Neches-Trinity	Fresh	182	183	184	185	185	185
Gulf Coast Aquifer System	Galveston	San Jacinto-Brazos	Fresh	12,502	12,883	13,225	13,512	13,777	14,035
Gulf Coast Aquifer System	Harris	San Jacinto	Fresh	289,255	197,432	203,289	206,062	208,124	210,309
Gulf Coast Aquifer System	Harris	San Jacinto-Brazos	Fresh	15,452	16,173	16,831	17,123	17,248	17,494
Gulf Coast Aquifer System	Harris	Trinity-San Jacinto	Fresh	13,157	14,247	15,062	15,507	15,845	16,136
Gulf Coast Aquifer System	Liberty	Neches	Fresh	8,732	8,732	8,732	8,732	8,732	8,732
Gulf Coast Aquifer System	Liberty	Neches-Trinity	Fresh	2,053	2,053	2,053	2,053	2,053	2,053
Gulf Coast Aquifer System	Liberty	San Jacinto	Fresh	11,299	11,299	11,299	11,299	11,299	11,299
Gulf Coast Aquifer System	Liberty	Trinity	Fresh	39,032	39,031	39,032	39,032	39,032	39,032
Gulf Coast Aquifer System	Liberty	Trinity-San Jacinto	Fresh	10,544	10,543	10,543	10,544	10,544	10,544
Gulf Coast Aquifer System	Montgomery	San Jacinto	Brackish	8,760	8,760	8,760	8,760	8,760	8,760
Gulf Coast Aquifer System	Montgomery	San Jacinto	Fresh	96,954	96,945	96,930	96,916	96,873	96,873
Gulf Coast Aquifer System	Polk	Trinity	Fresh	23,981	23,981	23,981	23,981	23,981	23,981
Gulf Coast Aquifer System	San Jacinto	San Jacinto	Fresh	18,443	18,452	18,467	18,482	18,524	18,524
Gulf Coast Aquifer System	San Jacinto	Trinity	Fresh	16,604	16,604	16,604	16,604	16,604	16,604
Gulf Coast Aquifer System	Trinity	Trinity	Fresh	100	318	322	339	339	339
Gulf Coast Aquifer System	Walker	San Jacinto	Fresh	26,622	26,622	26,622	26,622	26,622	26,622

* 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 H Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	County	Basin	Salinity*	2030	2040	2050	2060	2070	2080
Gulf Coast Aquifer System	Walker	Trinity	Fresh	15,881	15,881	15,881	15,881	15,881	15,881
Gulf Coast Aquifer System	Waller	Brazos	Fresh	23,397	23,397	23,397	23,397	23,397	23,397
Gulf Coast Aquifer System	Waller	San Jacinto	Fresh	32,136	32,136	32,136	32,136	32,136	32,136
Queen City Aquifer	Leon	Brazos	Fresh	408	451	493	536	575	575
Queen City Aquifer	Leon	Trinity	Fresh	511	516	521	527	531	531
Queen City Aquifer	Madison	Brazos	Fresh	132	154	175	197	216	216
Queen City Aquifer	Madison	Trinity	Fresh	132	154	176	197	217	217
Queen City Aquifer	Trinity	Trinity	Fresh	0	0	0	0	0	0
Queen City Aquifer	Walker	Trinity	Fresh	229	229	229	229	229	229
San Bernard River Alluvium Aquifer	Austin	Brazos-Colorado	Fresh	520	520	520	520	520	520
San Jacinto River Alluvium Aquifer	Walker	San Jacinto	Fresh	1,450	1,450	1,450	1,450	1,450	1,450
Sparta Aquifer	Leon	Brazos	Fresh	97	97	97	97	97	97
Sparta Aquifer	Leon	Trinity	Fresh	151	152	154	156	157	157
Sparta Aquifer	Madison	Brazos	Fresh	238	277	316	355	390	390
Sparta Aquifer	Madison	Trinity	Fresh	1,662	1,934	2,207	2,479	2,725	2,725
Sparta Aquifer	Trinity	Trinity	Fresh	0	0	0	0	0	0
Sparta Aquifer	Walker	San Jacinto	Fresh	266	266	266	266	266	266
Sparta Aquifer	Walker	Trinity	Fresh	2,084	2,084	2,084	2,084	2,084	2,084
Trinity River Alluvium Aquifer	Walker	Trinity	Fresh	3,913	3,913	3,913	3,913	3,913	3,913
Yegua-Jackson Aquifer	Leon	Trinity	Fresh	0	0	0	0	0	0
Yegua-Jackson Aquifer	Madison	Brazos	Fresh	11	11	11	11	11	11

* 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 H Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	County	Basin	Salinity*	2030	2040	2050	2060	2070	2080
Yegua-Jackson Aquifer	Madison	Trinity	Fresh	1,111	1,111	1,111	1,111	1,111	1,111
Yegua-Jackson Aquifer	Polk	Trinity	Brackish	0	0	0	0	0	0
Yegua-Jackson Aquifer	Trinity	Trinity	Fresh	2,191	2,191	2,191	2,191	2,191	2,191
Yegua-Jackson Aquifer	Walker	San Jacinto	Fresh	351	351	351	351	351	351
Yegua-Jackson Aquifer	Walker	Trinity	Fresh	3,823	3,823	3,823	3,823	3,823	3,823

Reuse Source Availability Total				46,487	47,366	48,202	49,101	49,948	50,707
Direct Reuse	Brazoria	San Jacinto-Brazos	Fresh	3,737	3,737	3,737	3,737	3,737	3,737
Direct Reuse	Fort Bend	Brazos	Fresh	1,283	1,283	1,283	1,283	1,283	1,283
Direct Reuse	Fort Bend	San Jacinto	Fresh	2,049	2,049	2,049	2,049	2,049	2,049
Direct Reuse	Fort Bend	San Jacinto-Brazos	Fresh	1,907	1,907	1,907	1,907	1,907	1,907
Direct Reuse	Galveston	San Jacinto-Brazos	Fresh	1,437	1,437	1,437	1,437	1,437	1,437
Direct Reuse	Harris	San Jacinto	Fresh	9,847	9,847	9,847	9,847	9,847	9,847
Direct Reuse	Harris	San Jacinto-Brazos	Fresh	1,521	1,521	1,521	1,521	1,521	1,521
Direct Reuse	Harris	Trinity-San Jacinto	Fresh	3,172	3,172	3,172	3,172	3,172	3,172
Direct Reuse	Leon	Trinity	Fresh	58	58	58	58	58	58
Direct Reuse	Montgomery	San Jacinto	Fresh	553	553	553	553	553	553
Direct Reuse	Waller	San Jacinto	Fresh	16	16	16	16	16	16
Indirect Reuse	Harris	San Jacinto	Fresh	6,862	6,937	7,027	7,147	7,147	7,147
Indirect Reuse	Montgomery	San Jacinto	Fresh	11,805	12,609	13,355	14,134	14,981	15,740

* 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 H Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	County	Basin	Salinity*	2030	2040	2050	2060	2070	2080
Indirect Reuse	Walker	San Jacinto	Fresh	2,240	2,240	2,240	2,240	2,240	2,240

Surface Water Source Availability Total				2,279,571	2,283,212	2,229,505	2,227,246	2,223,439	2,221,039
Anahuac Lake/Reservoir	Reservoir**	Trinity	Fresh	0	0	0	0	0	0
Brazoria Lake/Reservoir	Reservoir**	Brazos	Fresh	0	0	0	0	0	0
Brazos Run-of-River	Brazoria	Brazos	Fresh	166,270	165,907	165,545	165,182	164,820	164,820
Brazos Run-of-River	Fort Bend	Brazos	Fresh	286,649	286,553	286,458	286,362	286,267	286,267
Brazos Run-of-River	Waller	Brazos	Fresh	43	43	43	43	43	43
Brazos-Colorado Run-of-River	Brazoria	Brazos-Colorado	Fresh	11,730	11,730	11,730	11,730	11,730	11,730
Cedar Bayou Generating Pond Lake/Reservoir	Reservoir**	Trinity-San Jacinto	Fresh	0	0	0	0	0	0
Conroe Lake/Reservoir	Reservoir**	San Jacinto	Fresh	80,000	79,350	78,700	78,100	77,500	76,850
Eagle Nest Lake/Reservoir	Reservoir**	Brazos	Fresh	0	0	0	0	0	0
Gulf Coast Water Authority Lake/Reservoir	Reservoir**	San Jacinto-Brazos	Fresh	0	0	0	0	0	0
Houston Lake/Reservoir	Reservoir**	San Jacinto	Fresh	182,500	180,650	178,850	177,050	175,300	173,550
Lewis Creek Lake/Reservoir	Reservoir**	San Jacinto	Fresh	0	0	0	0	0	0
Livingston-Wallisville Lake/Reservoir System	Reservoir**	Trinity	Fresh	1,320,500	1,327,100	1,276,300	1,276,900	1,275,900	1,275,900
Neches Run-of-River	Liberty	Neches	Fresh	161	161	161	161	161	161
Neches-Trinity Run-of-River	Chambers	Neches-Trinity	Fresh	37,475	37,475	37,475	37,475	37,475	37,475
Phillips Petroleum off-channel Lake/Reservoir	Reservoir**	Brazos-Colorado	Fresh	0	0	0	0	0	0
San Jacinto Run-of-River	Harris	San Jacinto	Fresh	12,477	12,477	12,477	12,477	12,477	12,477

* 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 H Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	County	Basin	Salinity*	2030	2040	2050	2060	2070	2080
San Jacinto Run-of-River	Liberty	San Jacinto	Fresh	9	9	9	9	9	9
San Jacinto Run-of-River	Montgomery	San Jacinto	Fresh	141	141	141	141	141	141
San Jacinto-Brazos Run-of-River	Brazoria	San Jacinto-Brazos	Fresh	32,600	32,600	32,600	32,600	32,600	32,600
San Jacinto-Brazos Run-of-River	Fort Bend	San Jacinto-Brazos	Fresh	5,803	5,803	5,803	5,803	5,803	5,803
San Jacinto-Brazos Run-of-River	Galveston	San Jacinto-Brazos	Fresh	36	36	36	36	36	36
San Jacinto-Brazos Run-of-River	Harris	San Jacinto-Brazos	Fresh	388	388	388	388	388	388
Sheldon Lake/Reservoir	Reservoir**	San Jacinto	Fresh	0	0	0	0	0	0
Smithers Lake/Reservoir	Reservoir**	Brazos	Fresh	0	0	0	0	0	0
Trinity Run-of-River	Chambers	Trinity	Fresh	60,837	60,837	60,837	60,837	60,837	60,837
Trinity Run-of-River	Leon	Trinity	Fresh	158	158	158	158	158	158
Trinity Run-of-River	Liberty	Trinity	Fresh	49,083	49,083	49,083	49,083	49,083	49,083
Trinity Run-of-River	Madison	Trinity	Fresh	169	169	169	169	169	169
Trinity Run-of-River	Polk	Trinity	Fresh	26,510	26,510	26,510	26,510	26,510	26,510
Trinity Run-of-River	Trinity	Trinity	Fresh	34	34	34	34	34	34
Trinity Run-of-River	Walker	Trinity	Fresh	459	459	459	459	459	459
Trinity-San Jacinto Run-of-River	Chambers	Trinity-San Jacinto	Fresh	1,213	1,213	1,213	1,213	1,213	1,213
Trinity-San Jacinto Run-of-River	Harris	Trinity-San Jacinto	Fresh	2,421	2,421	2,421	2,421	2,421	2,421
Trinity-San Jacinto Run-of-River	Liberty	Trinity-San Jacinto	Fresh	1,905	1,905	1,905	1,905	1,905	1,905
Region H Source Availability Total				3,270,352	3,203,388	3,170,481	3,182,769	3,190,347	3,195,534

* 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 H Source Total Availability

* 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.

APPENDIX TM-B2
2026 RWP SOURCE DATA COMPARISON TO 2021 RWP

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DRAFT Region H 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 (%)
Austin County						
Groundwater availability total	36,096	55,024	52.4%	36,096	55,024	52.4%
Brazoria County						
Groundwater availability total	71,194	54,930	-22.8%	71,450	54,887	-23.2%
Reuse availability total	4,561	3,737	-18.1%	4,561	3,737	-18.1%
Surface Water availability total	210,599	210,600	0.0%	209,149	209,150	0.0%
Chambers County						
Groundwater availability total	22,951	22,332	-2.7%	22,951	22,354	-2.6%
Surface Water availability total	99,531	99,525	0.0%	99,531	99,525	0.0%
Fort Bend County						
Groundwater availability total	113,016	104,485	-7.5%	173,291	144,707	-16.5%
Reuse availability total	4,621	5,239	13.4%	4,621	5,239	13.4%
Surface Water availability total	292,452	292,452	0.0%	292,070	292,070	0.0%
Galveston County						
Groundwater availability total	13,094	12,684	-3.1%	14,303	13,962	-2.4%
Reuse availability total	1,257	1,437	14.3%	1,257	1,437	14.3%
Surface Water availability total	36	36	0.0%	36	36	0.0%
Harris County						
Groundwater availability total	312,250	317,864	1.8%	252,881	241,217	-4.6%
Reuse availability total	24,200	21,402	-11.6%	27,282	21,687	-20.5%
Surface Water availability total	15,285	15,286	0.0%	15,285	15,286	0.0%
Leon County						
Groundwater availability total	15,076	10,717	-28.9%	15,639	16,928	8.2%
Reuse availability total	58	58	0.0%	58	58	0.0%
Surface Water availability total	158	158	0.0%	158	158	0.0%
Liberty County						
Groundwater availability total	43,231	71,660	65.8%	43,231	71,660	65.8%
Surface Water availability total	51,172	51,158	0.0%	51,172	51,158	0.0%
Madison County						
Groundwater availability total	7,861	3,286	-58.2%	7,635	4,670	-38.8%

*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.

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

DRAFT Region H 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	169	169	0.0%	169	169	0.0%
Montgomery County						
Groundwater availability total	90,819	105,714	16.4%	90,819	105,633	16.3%
Reuse availability total	7,218	12,358	71.2%	10,428	15,534	49.0%
Surface Water availability total	141	141	0.0%	141	141	0.0%
Polk County						
Groundwater availability total	21,810	23,981	10.0%	21,810	23,981	10.0%
Surface Water availability total	26,510	26,510	0.0%	26,510	26,510	0.0%
Reservoir** County						
Surface Water availability total	1,572,800	1,583,000	0.6%	1,507,900	1,528,700	1.4%
San Jacinto County						
Groundwater availability total	20,983	35,047	67.0%	20,983	35,128	67.4%
Trinity County						
Groundwater availability total	2,637	2,292	-13.1%	2,658	2,531	-4.8%
Surface Water availability total	34	34	0.0%	34	34	0.0%
Walker County						
Groundwater availability total	34,841	56,718	62.8%	34,841	56,718	62.8%
Reuse availability total	2,240	2,240	0.0%	2,240	2,240	0.0%
Surface Water availability total	460	459	-0.2%	460	459	-0.2%
Waller County						
Groundwater availability total	72,212	67,560	-6.4%	72,212	67,560	-6.4%
Reuse availability total	16	16	0.0%	16	16	0.0%
Surface Water availability total	43	43	0.0%	43	43	0.0%
Region H Total						
Groundwater availability total	878,071	944,294	7.5%	880,800	916,960	4.1%
Reuse availability total	44,171	46,487	5.2%	50,463	49,948	-1.0%
Surface Water availability total	2,269,390	2,279,571	0.4%	2,202,658	2,223,439	0.9%

*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.

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

APPENDIX TM-C

**DOCUMENTATION OF MODEL FILES USED IN COMPILING AVAILABLE
WATER SUPPLIES**

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**APPENDIX TM-C1
HYDROLOGIC VARIANCE REQUEST**

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TO: Heather Rose
CC: Sabrina Anderson
FROM: Philip Taucer
SUBJECT: Request for Modifications to TCEQ Water Availability Models
DATE: 12/8/2023
PROJECT: SJR21660

1 Introduction

The Region H Water Planning Group (RHWPG) discussed required surface water supply analyses for the current cycle of Regional Water Plan (RWP) development at its May 3, 2023 regular meeting. At the same meeting, the RHWPG took formal action to authorize the Consultant Team to develop and submit to the Texas Water Development Board (TWDB) a variance request for the use of alternatives to the unmodified TCEQ WAM Run 3 models as a basis for determining firm water supplies for the 2026 RWP. After consideration of TWDB guidance and the results of review of the TCEQ WAM Run 3 models by the Region H Consultant Team, TWDB's approval is sought for exceptions to modeling requirements for the Trinity, Brazos/San Jacinto-Brazos, and Colorado/Brazos-Colorado WAMs. The proposed exceptions build upon the existing TCEQ WAM Run 3 with modifications to better reflect right-specific or basin-specific factors for Regional Planning purposes. In brief, the requested exceptions include the following.

- Trinity River Basin – Use of the modified Region C WAM as a base model to promote greater inter-regional consistency and incorporation of a limited quantity of return flows.
- Brazos River Basin / San Jacinto-Brazos Coastal Basin – Use of the modified Brazos G WAM as a base model to promote greater inter-regional consistency.
- Brazos-Colorado Coastal Basin – Adjustment of modeling procedures for multiple rights to better reflect permit conditions.

The proposed exceptions are discussed by basin in the following sections of this memorandum; corresponding documentation using TWDB's required Hydrologic Variance Request template is included as Attachment A. The RHWPG appreciates this opportunity to request modifications in order to more appropriately estimate surface water supply availability in the 2026 RWP. If you have any questions regarding the proposed changes or would like additional supporting data, please feel free to contact me at philip.taucer@freese.com.

2 Proposed Exceptions to Unmodified TCEQ WAM Run 3 Models

2.1 Trinity River Basin WAM

In order to promote inter-regional consistency, the RHWPG is seeking an exception from TWDB surface water modeling requirements to utilize the modified Region C WAM for the Trinity River Basin as a base model for analyses of surface water supply availability in Region H. This model, as noted in the August 2023 letter from Region C to TWDB, is based upon the posted TCEQ WAM Run 3, with modifications that reflect the operation of groups of reservoirs as systems, the adjustment of pool elevations where appropriate, and the adjustment of complex reservoir code to facilitate firm yield determination where applicable, as well as other changes.

The RHWPG has adopted the use of a modified Run 3 model for determining reservoir firm yield in the lower Trinity River Basin in the 2001, 2006, 2011, 2016, and 2021 RWPs. These models included a limited quantity of return flows in the upper basin expected to be available for future conditions as determined through correspondence with the Region C Planning Group. Inclusion of these flows is additionally reflective of authorization to utilize return flows in the water right for Lake Livingston, as amended. The RHWPG therefore requests an exception to conduct firm yield analysis to include a limited quantity of return flows in the Trinity River Basin.

2.2 Brazos River Basin / San Jacinto-Brazos Coastal Basin WAM

In order to promote inter-regional consistency, the RHWPG is seeking an exception from TWDB surface water modeling requirements to utilize the modified Brazos G WAM for the Brazos River Basin as a base model for analyses of surface water supply availability in Region H. The model is inclusive of the adjoining San Jacinto-Brazos Coastal Basin. This model, as noted in the October 27, 2023 letter from Carollo on behalf of the Brazos G RWPG to TWDB, is based upon the TCEQ WAM Run 3. The proposed Brazos G model, as indicated in the letter, includes changes to model certain aggregated contractual diversions in a disaggregated form, reflect existing subordination agreements, and incorporate some return flows, as well as other changes. Region H has similarly utilized the Brazos G WAM for prior RWPs.

2.3 Colorado River Basin / Brazos-Colorado Coastal Basin WAM

The Region H Water Planning Area includes the Brazos-Colorado Coastal Basin in the western portions of Austin, Fort Bend, and Brazoria Counties, with the remainder of the coastal basin within the Region K Water Planning Area. There are a number of surface water rights for various permitted uses in the basin, including multiple authorizations for irrigation diversions as well as several larger permits for industrial use. In reviewing the WAM for the basin (included within the TCEQ WAM Run 3 for the Colorado River Basin), opportunities were identified to adjust model code for two water rights to facilitate determination of firm yield and reflect annual streamflow diversion limits as specified in water right permits. Region H utilized the proposed modifications for the 2021 RWP.

2.3.1 Certificate of Adjudication 13-3421

Certificate of Adjudication (CoA) 13-3421, as amended, authorizes diversion of 20,000 ac-ft/yr of water from the San Bernard River by multiple water rights holders and storage in several off-channel reservoirs in the Region K Water Planning Area, with the various right holders granted access to differing storage volumes in the reservoirs. A portion of the diversion is also able to be taken as a run of river diversion at a downstream point within Region H if certain flow conditions are met or through releases of stored water to the downstream point. The WAM Run 3 represents this complex situation with composite reservoirs for each right holder's share of storage and an attempted downstream diversion of a portion

of the permit. The following modifications to the WAM Run 3 are proposed for RWP supply determination for Region H:

- Modeling of all diversions for the CoA occurring at the upstream reservoirs and diversion point on the San Bernard River to facilitate evaluation of reliable supply from the right.
- Applying limits to river diversions to prevent excess diversions from off-channel reservoir refilling.
- Application of a firm yield approach to determine the reliable supply from this portion of the run-of-river availability of the San Bernard River.

2.3.2 Certificate of Adjudication 13-3423

CoA 13-3423, as amended, authorizes diversion of 32,000 ac-ft/yr of water from the San Bernard River and storage in four off-channel reservoirs. The following modifications to the WAM Run 3 are proposed for RWP supply determination for Region H:

- Modeling of the off-channel reservoirs as a single composite reservoir to better reflect actual interconnectivity and use of storage by the right holder.
- Applying limits to river diversions to prevent excess diversions from off-channel reservoir refilling.
- Application of a firm yield approach to determine the reliable supply from this portion of the run-of-river availability of the San Bernard River.

Attachment A:
Hydrologic Variance Request Forms for Proposed Region H
Modifications to the TCEQ WAMs

Attachment A-1:
Trinity River Basin

Surface Water Hydrologic Variance Request Checklist

Texas Water Development Board (TWDB) rules¹ 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: H

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.

Trinity 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.
 - Region H requests to use the modified Region C WAM, as documented in the hydrologic variance request submitted by Region C in August 2023, as a base model for analyses of surface water supply availability in the Trinity River Basin in Region H to promote greater inter-regional consistency.
 - The modified Region C WAM uses the TCEQ WAM Run 3 as its base, with modifications that reflect the operation of groups of reservoirs as systems, the adjustment of pool elevations where appropriate, and the adjustment of complex reservoir code to facilitate firm yield determination where applicable. These variances are discussed in the Region C request referenced in Question 8.
 - Additionally, Region H requests to include a limited quantity of return flows in the Trinity River Basin. These modifications are discussed in greater detail in Question 9.

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

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

The variance request to utilize the modified Region C WAM was implemented in the 2016 and 2021 Region H RWPs, and Region H seeks the same authorization this cycle. The 2001, 2006, 2011, 2016, and 2021 Region H RWPs implemented hydrologic variances to include a limited quantity of return flows in the upper basin that are expected to be available for future conditions as determined through correspondence with Region C. The variance request is fundamentally the same, changing only in the estimated magnitudes and locations of return flows based upon more recent data and planning.

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

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 preferable for drought planning purposes.

No

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 preferable 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

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

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 sedimentation², system or reservoir operations, or special operational procedures into the WAM.

Yes

Existing Supply

- Region H requests to use the modified Region C WAM, as documented in detail in the hydrologic variance request submitted by Region C in August 2023.
- The modified Region C WAM uses the TCEQ WAM Run 3 with the variances to incorporate new water rights, correct issues related to usable storage for one reservoir, and model several rights as systems.
- The RHWPG has adopted the use of a modified Run 3 model for determining firm yield of Lake Livingston in the lower Trinity River Basin in the 2001, 2006, 2011, 2016, and 2021 RWPs.
- These models included a limited quantity of return flows in the upper basin expected to be available for future conditions as determined through correspondence with the Region C Planning Group.
- The RHWPG therefore requests an exception to conduct firm yield analysis of Lake Livingston to include a limited quantity of return flows in the Trinity River Basin.

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.

Yes

Existing Supply

Inclusion of return flows is consistent with authorizations to divert return flows granted by Certificate of Adjudication (CoA) 08-4248, as amended. The RHWPG has used a modified WAM Run 3 model for determining the firm yield of Lake Livingston in the lower Trinity River Basin in the 2001, 2006, 2011, 2016, and 2021 RWPs as part of existing supply analyses. These models have included a limited quantity of return flows in the upper basin that are expected to be available for future conditions as determined through correspondence with Region C. This exception is made for purposes of determining existing supply availability and is not related to a direct reuse WMS. Region H requests an exception to conduct firm yield analysis to include a limited quantity of return flows in the Trinity River Basin.

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

The RHWPG seeks use of the modified Region C WAM for the Trinity River Basin as the basis for modeling of Trinity River Basin existing supply for Region H. The additional variance request by Region H to include a limited amount of return flow is specifically for Region H analyses and is not anticipated to be utilized by Region C or other regions.

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

No additional variance requests.

Attachment A-2:

Brazos River Basin and San Jacinto-Brazos Coastal Basin

Surface Water Hydrologic Variance Request Checklist

Texas Water Development Board (TWDB) rules¹ 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: H

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.

[Brazos River Basin and San Jacinto-Brazos Coastal 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.
 - [Region H requests to use the modified Brazos G WAM, as documented in the hydrologic variance request submitted by the Brazos G Regional Water Planning Group on October 27, 2023, as a base model for analyses of surface water supply availability in the Brazos River Basin and San Jacinto-Brazos Coastal Basin in Region H to promote greater inter-regional consistency.](#)
 - [The modified Brazos G WAM uses the TCEQ WAM Run 3 as its base. The modified Brazos G WAM includes modifications to model certain aggregated contractual diversions in a disaggregated form, reflect existing subordination agreements, and incorporate some return flows, as well as other changes.](#)
 - [These modifications are discussed in Questions 8 and 9.](#)

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

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

The variance request to utilize the modified Brazos G WAM was implemented in the 2016 and 2021 Region H RWPs, and Region H seeks the same authorization this cycle. The variance request is fundamentally the same, seeking to utilize the Brazos G WAM for the corresponding RWP cycle to promote interregional consistency.

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

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 preferable for drought planning purposes.

No

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 preferable 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

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

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 sedimentation², system or reservoir operations, or special operational procedures into the WAM.

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

Existing Supply

- Region H requests to use the modified Brazos G WAM, as documented in the hydrologic variance request submitted by the Brazos G Regional Water Planning Group on October 27, 2023.
- The modified Brazos G WAM uses the TCEQ WAM Run 3 as its base. The modified Brazos G WAM includes modifications to model certain aggregated contractual diversions in a disaggregated form, reflect existing subordination agreements, and incorporate some return flows, as well as other changes.
- The RHWPG has adopted the use of the Brazos G WAM for determining existing supply availability in the lower Brazos River Basin and in the San Jacinto-Brazos Coastal Basin in the 2016 and 2021 RWP.

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.

Yes

Existing Supply

Region H requests to use the modified Brazos G WAM, which includes the addition of return flows in the WAM. The hydrologic variance request submitted by Brazos G indicates that return flows will be added for wastewater treatment plants with effluent discharge in excess of 0.9 MGD, with the magnitude of the return flows based on the minimum discharge from the previous 5 years of available historical data. The RHWPG is not currently seeking variances for inclusion of return flows beyond those already requested by Brazos G.

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

The RHWPG seeks use of the modified Brazos G WAM as the basis for modeling of Brazos River Basin and San Jacinto-Brazos Coastal Basin existing supply for Region H. Region H is not currently seeking variances for these basins beyond the use of the Brazos G model.

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

No additional variance requests.

Attachment A-3:
Colorado River Basin and Brazos-Colorado Coastal Basin

Surface Water Hydrologic Variance Request Checklist

Texas Water Development Board (TWDB) rules¹ 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: H

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.

Brazos-Colorado Coastal 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.
 - The Region H Water Planning Group (RHWPG) requests to modify TCEQ's Colorado WAM Run 3 (includes the Brazos-Colorado Coastal Basin) in order to adjust the modeling procedures for multiple water rights, including:
 - Reflecting multiple small, related impoundments as single composite impoundments
 - Incorporation of diversion limits as specified in the corresponding water rights.
 - The changes facilitate determination of modeled firm yield.
 - Requested changes would be of a comparable or slightly greater degree of conservatism regarding supply availability relative to the unmodified WAM due to application of diversion limits specified in the water rights.
 - These revisions are addressed in greater detail in Question 8.

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

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

The same hydrologic variance requests were implemented in the 2021 Region H Water Plan. This request does not differ from the previous request except that the requested changes are implemented in the latest version of the Colorado WAM Run 3 (last updated by TCEQ 10/1/2023).

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

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 preferable for drought planning purposes.

No

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 preferable 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

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

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 sedimentation², system or reservoir operations, or special operational procedures into the WAM.

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

Existing Supply

Requested modifications include:

- Certificate of Adjudication (CoA) 13-3421, as amended, authorizes diversion of 20,000 ac-ft/yr of water from the San Bernard River by multiple water rights holders and storage in several off-channel reservoirs in the Region K Water Planning Area, with the various right holders granted access to differing storage volumes in the reservoirs. A portion of the diversion is also able to be taken as a run of river diversion at a downstream point within Region H if certain flow conditions are met or through releases of stored water to the downstream point. The WAM Run 3 represents this complex situation with composite reservoirs for each right holder's share of storage and an attempted downstream diversion of a portion of the permit. The following modifications to the WAM Run 3 are proposed for RWP supply determination for Region H:
 - Modeling of all diversions for the right occurring at the upstream reservoirs and diversion point on the San Bernard River to facilitate evaluation of reliable supply from the right.
 - Applying limits to river diversions to prevent excess diversions from off-channel reservoir refilling.
 - Application of a firm yield approach to determine the reliable supply from this portion of the run-of-river availability of the San Bernard River.

- CoA 13-3423, as amended, authorizes diversion of 32,000 ac-ft/yr of water from the San Bernard River and storage in four off-channel reservoirs. The following modifications to the WAM Run 3 are proposed for RWP supply determination for Region H:
 - Modeling of the off-channel reservoirs as a single composite reservoir to better reflect actual interconnectivity and use of storage by the right holder.
 - Applying limits to river diversions to prevent excess diversions from off-channel reservoir refilling.
 - Application of a firm yield approach to determine the reliable supply from this portion of the run-of-river availability of the San Bernard River.

Requested changes would be of a comparable or slightly greater degree of conservatism regarding supply availability relative to the unmodified WAM due to application of diversion limits specified in the water rights.

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

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.

No

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

No additional variance requests.

**APPENDIX TM-C2
HYDROLOGIC VARIANCE APPROVAL**

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January 16, 2024

Mark Evans
Region H Chair
Region H Regional Water Planning Group
c/o San Jacinto River Authority
P.O. Box 329
Conroe, TX 77305

Dear Chairman Evans:

I have reviewed the Region H memorandum dated December 8, 2023, for approval of alternative water supply assumptions to be used in determining existing surface water availability. This letter confirms that the TWDB approves the following assumptions that require a variance:

1. In the Trinity River Basin, use the Trinity WAM as modified by the Region C RWPG and approved by the TWDB for existing supply analyses.
2. Include a limited quantity of return flows in the modified Trinity WAM to conduct the firm yield analysis of Lake Livingston for evaluating existing supply.
3. In the Brazos River Basin and the San Jacinto-Brazos Coastal Basin, use the Brazos G WAM as modified by the Region G RWPG and approved by the TWDB for existing supply analyses.
4. In the Brazos-Colorado Coastal Basin, modify the Colorado WAM (which includes the Brazos-Colorado Coastal Basin) to adjust the modeling procedures for multiple water rights to evaluate existing supply.

For the purpose of evaluating potentially feasible water management strategies, the TCEQ WAM Run 3 is to be used, unless a separate hydrologic variance for water management strategy availability is submitted and approved by the TWDB.

While the TWDB authorizes these modification to evaluate existing water supplies for development of the 2026 Region H 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*.

Mark Evans
January 16, 2024
Page 2

Please do not hesitate to contact Heather Rose of our Regional Water Planning staff at 512-475-1558 or heather.rose@twdb.texas.gov if you have any questions.

Sincerely,

Matt Nelson
Digitally signed by Matt Nelson
Date: 2024.01.16 12:09:38 -06'00'

Matt Nelson
Deputy Executive Administrator

c: Ed Shackelford, San Jacinto River Authority
Philip Taucer, Freese & Nichols, Inc.
Courtney Corso, Freese & Nichols, Inc.
Jordan Skipwith, Freese & Nichols, Inc.
Heather Rose, Water Supply Planning
Sarah Lee, Water Supply Planning
Nelun Fernando, Ph.D., Surface Water
Abigail Gardner, Freese & Nichols, Inc. (Region C)
Tony Smith, Carollo Engineers (Region G)

**APPENDIX TM-C3
MEMORANDUM SUMMARIZING RESERVOIR SEDIMENTATION PROJECTION
METHODOLOGY**

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TO: Region H Water Planning Group

FROM: Philip Taucer

SUBJECT: Summary of Reservoir Sedimentation Projection for the 2026 Region H Regional Water Plan

DATE: 1/27/2024

PROJECT: SJR21660

1 Introduction

The Texas Water Development Board (TWDB) requires regional water planning groups (RWPGs) 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). The rules and guidance for the RWP process require modifications of the WAMs where applicable to incorporate projected future storage capacity for major reservoirs. For purposes of the RWP, major reservoirs are generally considered to be impoundments with an original conservation storage volume of 5,000 acre-feet or greater. The following sections summarize the overall methodology utilized in projecting future reservoir storage capacity, as well as relevant information for each basin examined within the Region.

2 Storage Projection Methodology

Projection of future reservoir area-capacity-elevation relationships for planning timesteps 2030 through 2080 utilized available reservoir design or survey data in conjunction with information on historical sedimentation rates. Anticipated sedimentation rates, expressed in acre-feet per square mile of drainage area 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. Where no sedimentation data was available for a particular reservoir, information from similar or nearby impoundments was utilized to estimate sedimentation rate.

The average end-area method was used to develop revised area-capacity-elevation relationships for each reservoir in each decade. Using this method, reservoirs were sliced into incremental storage volumes based on elevation, then a uniform reduction was applied to the horizontal surface area of each slice. Following this, new storage volumes were calculated for each increment and added together to calculate the total storage by 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 for

each reservoir was used for that reservoir. The data utilized for calculating anticipated sedimentation rates and revised area-capacity rating curves are shown in **Table 1** at the end of this document.

3 Basin-Specific Considerations

3.1 Brazos-Colorado Coastal Basin

Region H includes a relatively small area of the Brazos-Colorado Coastal Basin. Impoundments within this area are generally small localized operational or agricultural storage, and for purposes of source availability modeling for the RWP the corresponding water rights are considered part of run-of-river supplies. A limited number of related off-channel reservoirs are associated with water rights for industrial use within Region H and are included in the supply analyses as aggregate impoundments. Survey and sedimentation data are not readily available for these impoundments, and as privately held off-channel reservoirs it is anticipated that their sedimentation is limited through operation or maintenance. Therefore, no sedimentation losses were applied for storage in the Brazos-Colorado Coastal Basin.

3.2 Brazos River Basin and San Jacinto-Brazos Coastal Basin

Region H utilizes the modified WAM Run 3 developed by the upstream Brazos G Regional Water Planning Group as the basis for modeling of source availability modeling of Brazos River Basin and San Jacinto-Brazos Coastal Basin supplies. Coordination with Brazos G regarding the model is ongoing. It is currently anticipated that Region H will use the sedimentation and reservoir storage projections developed by Brazos G, which utilizes similar methods to Region H to estimate future storage.

3.3 San Jacinto River Basin

The San Jacinto River Basin includes four major reservoirs within Region H: Lake Houston, Lake Conroe, Lewis Creek Reservoir, and Sheldon Lake. Lakes Houston and Conroe serve as major water supplies within the region, and recent TWDB bathymetric surveys and sedimentation analyses were available to facilitate storage projections for both. Lewis Creek Reservoir supplies steam-electric power generation water demands within Montgomery County, with source water coming primarily from diversions from nearby Lake Conroe. Storage for Lewis Creek was projected utilizing legacy design data and estimated sedimentation rates for Lake Conroe. Sheldon Lake was originally developed as a water supply but is no longer used to meet demands and currently supports recreation and wetlands habitat. Storage for Sheldon Lake was projected utilizing legacy design data and estimated sedimentation rates for Lake Houston.

3.4 Trinity-San Jacinto Coastal Basin

Reservoirs within the Trinity-San Jacinto Coastal Basin in Region H are primarily limited to small, localized impoundments, and for purposes of source availability modeling for the RWP the corresponding water rights are considered part of run-of-river supplies. The only major reservoir identified by TWDB is the Cedar Bayou Generating Pond, also referred to in some references as Dutton Lake. The lake is an off-channel reservoir primarily used for operational storage for steam-electric power generation. Because the associated water rights are tidally influenced saline supplies, they are not included in the TCEQ WAM. Therefore, no sedimentation losses were applied for storage in the Trinity-San Jacinto Coastal Basin.

3.5 Trinity-River Basin

Region H utilizes the modified WAM Run 3 developed by the upstream Region C Water Planning Group as the basis for modeling of source availability modeling of Trinity River Basin supplies. Coordination with Region C regarding the model is ongoing. It is currently anticipated that Region H will use the

sedimentation and reservoir storage projections developed by Region C; Region C applies the same general methodology described in **Section 2** to estimate future storage.

3.6 Neches-Trinity Coastal Basin

Reservoirs within the Neches-Trinity Coastal Basin in Region H are limited to small, localized impoundments, and for purposes of source availability modeling for the RWP the corresponding water rights are considered part of run-of-river supplies. Estimation of major reservoir sedimentation was not required.

3.7 Neches-River Basin

Region H includes a relatively small area of the Neches River Basin. Reservoirs within this area are limited to small, localized impoundments, and for purposes of source availability modeling for the RWP the corresponding water rights are considered part of run-of-river supplies. Estimation of major reservoir sedimentation was not required.

Table 1. Sedimentation Rates and Projected Storage Capacity of Major Reservoirs in Region H

	Lake Conroe	Lake Houston3	Lewis Creek Reservoir	Sheldon Lake
Data Source(s)	TWDB Survey	TWDB Survey	Design Data	Design Data
Reference Year	2020	2018	2011	1957
Est. Conservation Pool (ac-ft)	417,605	136,119	16,700	5,500
Sedimentation (ac-ft/yr/mi²)	1.11	0.13	1.11	0.13
Sediment Contrib. Area (mi²)	445	2,383	3.72	16.56
Projected 2080 Capacity (ac-ft)	388,242	113,899	16,414	5,240
Method	Conic	Trapezoidal	Conic	Conic

**APPENDIX TM-C4
SUMMARY OF MODEL RUNS TO DETERMINE SURFACE WATER SOURCE
AVAILABILITY**

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Table TM-C4 Summary of Model Runs to Determine Surface Water Source Availability

Model Version		Modifications		Execution			
Model Root File Name	Basin*	Run 3 Version Date	Description	EA Approval Date	DB22 Source Name	Modeler	Date
C3_FNI	Colorado/Brazos-Colorado	10/1/2023	Reduced model period to 59 years (1940 - 1998) due to lack of hydrology information for Brazos-Colorado coastal basin	1/16/2024	Brazos-Colorado Run-of-River (portion of availability associated with water rights 13-3433 and 13-5331)	FNI	12/23/2023
C3_FNI3421	Colorado/Brazos-Colorado	10/1/2023	Reduced model period to 59 years (1940 - 1998) due to lack of hydrology information for Brazos-Colorado coastal basin; Modified CoA 3421 and CoA 3423 to take all diversions at composite reservoirs; Run to determine firm yield of composite reservoir associated with CoA 3421	1/16/2024	Brazos-Colorado Run-of-River (portion of availability associated with the portion of water right 13-3421 in Region H)	FNI	12/23/2023
C3_FNI3423	Colorado/Brazos-Colorado	10/1/2023	Reduced model period to 59 years (1940 - 1998) due to lack of hydrology information for Brazos-Colorado coastal basin; Modified CoA 3421 and CoA 3423 to take all diversions at composite reservoirs; Run to determine firm yield of composite reservoir associated with CoA 3423	1/16/2024	Brazos-Colorado Run-of-River (portion of availability associated with water right 13-3423)	FNI	12/23/2023
Neches3	Neches	10/1/2023	n/a	n/a	Neches Run-of-River	FNI	11/30/2023
NT3	Neches-Trinity	10/1/2023	n/a	n/a	Neches-Trinity Run-of-River	FNI	11/10/2023
sjarun3_ROR	San Jacinto	10/1/2023	n/a	n/a	San Jacinto Run-of-River	FNI	12/5/2023
sjarun3_30_con	San Jacinto	10/1/2023	2030 sedimentation of major reservoirs	n/a	Conroe Lake/Reservoir	FNI	12/26/2023
sjarun3_40_con	San Jacinto	10/1/2023	2040 sedimentation of major reservoirs	n/a	Conroe Lake/Reservoir	FNI	12/26/2023
sjarun3_50_con	San Jacinto	10/1/2023	2050 sedimentation of major reservoirs	n/a	Conroe Lake/Reservoir	FNI	12/28/2023
sjarun3_60_con	San Jacinto	10/1/2023	2060 sedimentation of major reservoirs	n/a	Conroe Lake/Reservoir	FNI	12/26/2023
sjarun3_70_con	San Jacinto	10/1/2023	2070 sedimentation of major reservoirs	n/a	Conroe Lake/Reservoir	FNI	12/26/2023
sjarun3_80_con	San Jacinto	10/1/2023	2080 sedimentation of major reservoirs	n/a	Conroe Lake/Reservoir	FNI	12/26/2023
sjarun3_30_hou	San Jacinto	10/1/2023	2030 sedimentation of major reservoirs	n/a	Houston Lake/Reservoir	FNI	12/14/2023
sjarun3_40_hou	San Jacinto	10/1/2023	2040 sedimentation of major reservoirs	n/a	Houston Lake/Reservoir	FNI	12/21/2023
sjarun3_50_hou	San Jacinto	10/1/2023	2050 sedimentation of major reservoirs	n/a	Houston Lake/Reservoir	FNI	12/21/2023
sjarun3_60_hou	San Jacinto	10/1/2023	2060 sedimentation of major reservoirs	n/a	Houston Lake/Reservoir	FNI	12/21/2023
sjarun3_70_hou	San Jacinto	10/1/2023	2070 sedimentation of major reservoirs	n/a	Houston Lake/Reservoir	FNI	12/26/2023
sjarun3_80_hou	San Jacinto	10/1/2023	2080 sedimentation of major reservoirs	n/a	Houston Lake/Reservoir	FNI	12/26/2023
TS13	Trinity-San Jacinto	10/1/2023	n/a	n/a	Trinity-San Jacinto Run-of-River	FNI	11/9/2023

Notes

* Availability for Trinity River Basin, Brazos River Basin, and San Jacinto-Brazos coastal Basin from the modeling for the 2021 RWP is being applied as draft availability for the 2026 RWP, pending completion of updated model modifications for the sixth cycle of regional planning.

**APPENDIX TM-C5
ORIGINAL AND MODIFIED SURFACE WATER SOURCE AVAILABILITY**

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Table TM-C5.A Original and Modified Firm Yield for Reservoirs

Basin	Reservoir	Unmodified WAM Firm Yield (ac-ft/yr)					Modified WAM Firm Yield (ac-ft/yr)						
		2030	2040	2050	2060	2070	2080	2030	2040	2050	2060	2070	2080
Trinity*	Livingston-Wallisville Lake/Reservoir System	1,111,080	1,110,860	1,110,640	1,110,420	1,110,200	1,110,200	1,320,500	1,327,100	1,276,300	1,276,900	1,275,900	1,275,900

Notes

* Availability for Livingston-Wallisville Lake/Reservoir System is based on modeling for the 2021 RWP, pending completion of updated model modifications for the sixth cycle of regional planning. Values for year 2080 conditions are tentatively estimated based upon year 2070 results.

Table TM-C5.B Original and Modified Firm Diversions for Run-of-River Sources

Basin	County	Run-of-River Source Detail	Unmodified WAM Firm Diversion (ac-ft/yr)					Modified WAM Firm Diversion (ac-ft/yr)						
			2030	2040	2050	2060	2070	2080	2030	2040	2050	2060	2070	2080
Brazos*	Brazoria	MULTIPLE / 12-5323, 12-5327, 12-5328, 12-5329, 12-5366, 12-5492	154,331	154,331	154,331	154,331	154,331	154,331	166,270	165,907	165,545	165,182	164,820	164,820
Brazos*	Fort Bend	MULTIPLE / 12-5168, 12-5171, 12-5320, 12-5322, 12-5325, 12-5552, 12-5567	278,765	278,765	278,765	278,765	278,765	286,649	286,553	286,458	286,362	286,267	286,267	
Brazos*	Waller	MULTIPLE / 12-5319, 12-4009	43	43	43	43	43	43	43	43	43	43	43	
Brazos-Colorado	Brazoria	MULTIPLE / 13-3421, 13-3423, 13-3433, 13-5331, 13-5446	1,824	1,824	1,824	1,824	1,824	11,730	11,730	11,730	11,730	11,730	11,730	
San Jacinto-Brazos*	Brazoria	MULTIPLE / SEE SOURCE AVAILABILITY	32,600	32,600	32,600	32,600	32,600	32,600	32,600	32,600	32,600	32,600	32,600	
San Jacinto-Brazos*	Fort Bend	MULTIPLE / 11-5170, 11-5335, 11-5336	5,803	5,803	5,803	5,803	5,803	5,803	5,803	5,803	5,803	5,803	5,803	
San Jacinto-Brazos*	Galveston	SINGLE / 11-5362	36	36	36	36	36	36	36	36	36	36	36	
San Jacinto-Brazos*	Harris	MULTIPLE / 11-5230, 11-5686	388	388	388	388	388	388	388	388	388	388	388	
Trinity*	Chambers	SINGLE / 08-4279	60,838	60,838	60,838	60,838	60,838	60,838	60,838	60,838	60,838	60,838	60,838	
Trinity*	Leon	MULTIPLE / 08-4238, 08-5083, 08-5085	158	158	158	158	158	158	158	158	158	158	158	
Trinity*	Liberty	MULTIPLE / 08-4277, 08-5271, 08-5739	49,023	49,023	49,023	49,023	49,023	49,083	49,083	49,083	49,083	49,083	49,083	
Trinity*	Madison	SINGLE / 08-4240	169	169	169	169	169	169	169	169	169	169	169	
Trinity*	Polk	SINGLE / 08-4261	26,510	26,510	26,510	26,510	26,510	26,510	26,510	26,510	26,510	26,510	26,510	
Trinity*	Trinity	SINGLE / 08-4256	0	0	0	0	0	34	34	34	34	34	34	
Trinity*	Walker	MULTIPLE / 08-4249, 08-4250, 08-4253	459	459	459	459	459	459	459	459	459	459	459	

Notes

* Availability for Brazos Run-of-River, San Jacinto-Brazos Run-of-River, and Trinity Run-of-River is based on modeling for the 2021 RWP, pending completion of updated model modifications for the sixth cycle of regional planning. Values for year 2080 conditions are tentatively estimated based upon year 2070 results.

APPENDIX TM-D

**TWDB DB27 REPORTS RELATED TO ALLOCATION OF WATER SUPPLIES TO
MEET PROJECTED DEMANDS**

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APPENDIX TM-D1
2026 RWP WUG EXISTING WATER SUPPLY

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Austin County WUG Total			12,212	12,362	12,538	12,619	12,678	12,733
Austin County / Brazos Basin WUG Total			7,472	7,611	7,779	7,856	7,912	7,962
Austin County WSC	H	Gulf Coast Aquifer System Austin County	306	345	377	393	401	409
Bellville	H	Gulf Coast Aquifer System Austin County	1,180	1,195	1,232	1,250	1,265	1,281
Sealy	H	Gulf Coast Aquifer System Austin County	1,416	1,478	1,560	1,595	1,622	1,638
West End WSC*	H	Gulf Coast Aquifer System Austin County	111	110	110	110	110	110
County-Other	H	Gulf Coast Aquifer System Austin County	1,267	1,290	1,306	1,313	1,318	1,327
Manufacturing	H	Gulf Coast Aquifer System Austin County	15	16	17	18	19	20
Mining	H	Gulf Coast Aquifer System Austin County	35	35	35	35	35	35
Steam Electric Power		No water supply associated with WUG	0	0	0	0	0	0
Livestock	H	Gulf Coast Aquifer System Austin County	919	919	919	919	919	919
Irrigation	H	Gulf Coast Aquifer System Austin County	2,223	2,223	2,223	2,223	2,223	2,223
Austin County / Brazos-Colorado Basin WUG Total			4,696	4,707	4,715	4,719	4,722	4,727
Austin County WSC	H	Gulf Coast Aquifer System Austin County	26	30	32	34	34	35
Sealy	H	Gulf Coast Aquifer System Austin County	8	8	9	9	9	9
Wallis	H	Gulf Coast Aquifer System Austin County	153	152	152	152	152	153
County-Other	H	Gulf Coast Aquifer System Austin County	442	450	455	457	460	463
Livestock	H	Gulf Coast Aquifer System Austin County	283	283	283	283	283	283
Irrigation	H	Gulf Coast Aquifer System Austin County	3,784	3,784	3,784	3,784	3,784	3,784
Austin County / Colorado Basin WUG Total			44	44	44	44	44	44
West End WSC*	H	Gulf Coast Aquifer System Austin County	7	7	7	7	7	7

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

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
County-Other	H	Gulf Coast Aquifer System Austin County	17	17	17	17	17	17
Livestock	H	Gulf Coast Aquifer System Austin County	20	20	20	20	20	20
Brazoria County WUG Total			349,257	348,842	348,555	347,868	346,842	346,708
Brazoria County / Brazos Basin WUG Total			186,568	186,166	185,774	184,949	183,889	183,742
Brazoria	H	Brazos Run-of-River	95	96	96	96	95	94
Brazoria County FWSD 1	H	Gulf Coast Aquifer System Brazoria County	49	52	51	50	49	49
Freeport	H	Brazos Run-of-River	187	187	188	187	187	187
Lake Jackson	H	Brazos Run-of-River	59	59	59	59	59	59
Lake Jackson	H	Gulf Coast Aquifer System Brazoria County	70	64	62	59	56	52
Varner Creek UD	H	Gulf Coast Aquifer System Brazoria County	183	177	168	165	161	155
West Columbia	H	Gulf Coast Aquifer System Brazoria County	167	161	155	149	144	140
County-Other	H	Gulf Coast Aquifer System Brazoria County	499	519	546	554	564	584
Manufacturing	G	BRA System Operations Permit Supply	19,341	19,341	19,341	18,902	18,220	18,077
Manufacturing	G	Brazos River Authority Main Stem Lake/Reservoir System	16,000	16,000	16,000	16,000	16,000	16,000
Manufacturing	H	Brazos Run-of-River	144,792	144,460	144,128	143,796	143,464	143,464
Manufacturing	H	Gulf Coast Aquifer System Brazoria County	1,119	1,083	1,051	1,030	1,012	1,006
Livestock	H	Gulf Coast Aquifer System Brazoria County	180	175	170	166	163	163
Irrigation	H	Brazos Run-of-River	2,661	2,661	2,661	2,661	2,661	2,661
Irrigation	H	Gulf Coast Aquifer System Brazoria County	1,166	1,131	1,098	1,075	1,054	1,051
Brazoria County / Brazos-Colorado Basin WUG Total			22,546	22,339	22,071	21,810	21,554	21,553
Brazoria	H	Brazos Run-of-River	659	658	658	658	659	660
Brazoria County FWSD 1	H	Gulf Coast Aquifer System Brazoria County	10	10	10	10	9	9
Freeport	H	Brazos Run-of-River	4	4	4	4	3	3

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

WUG Name	Source		Existing Supply (acre-feet per year)					
	Region	Source Description	2030	2040	2050	2060	2070	2080
Sweeny	H	Gulf Coast Aquifer System Brazoria County	471	453	432	416	400	387
West Columbia	H	Gulf Coast Aquifer System Brazoria County	94	91	87	84	81	79
County-Other	H	Gulf Coast Aquifer System Brazoria County	2,455	2,536	2,578	2,510	2,443	2,447
Manufacturing	H	Brazos-Colorado Run-of-River	11,730	11,730	11,730	11,730	11,730	11,730
Manufacturing	H	Gulf Coast Aquifer System Brazoria County	1,897	1,826	1,751	1,704	1,659	1,662
Livestock	H	Gulf Coast Aquifer System Brazoria County	336	324	310	302	294	295
Irrigation	H	Gulf Coast Aquifer System Brazoria County	4,890	4,707	4,511	4,392	4,276	4,281
Brazoria County / San Jacinto-Brazos Basin WUG Total			140,143	140,337	140,710	141,109	141,399	141,413
Alvin	H	Direct Reuse	81	81	81	81	81	81
Alvin	H	Gulf Coast Aquifer System Brazoria County	2,917	2,890	2,915	2,881	2,869	2,862
Angleton	H	Brazos Run-of-River	2,576	2,576	2,576	2,576	2,576	2,576
Angleton	H	Gulf Coast Aquifer System Brazoria County	362	347	342	339	337	336
Brazoria County MUD 2	H	Gulf Coast Aquifer System Brazoria County	1,288	1,202	1,206	1,225	1,226	1,207
Brazoria County MUD 21	H	Gulf Coast Aquifer System Brazoria County	527	481	468	458	427	409
Brazoria County MUD 22	H	Gulf Coast Aquifer System Brazoria County	474	478	479	479	506	522
Brazoria County MUD 25	H	Gulf Coast Aquifer System Brazoria County	380	371	367	366	368	372
Brazoria County MUD 29	H	Gulf Coast Aquifer System Brazoria County	309	320	313	311	316	321
Brazoria County MUD 3	H	Direct Reuse	9	9	9	9	9	9
Brazoria County MUD 3	H	Gulf Coast Aquifer System Brazoria County	629	643	651	668	686	696
Brazoria County MUD 31	H	Gulf Coast Aquifer System Brazoria County	787	754	737	729	725	713
Brazoria County MUD 39	H	Gulf Coast Aquifer System Brazoria County	0	0	0	0	0	0

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Brazoria County MUD 55	H	Gulf Coast Aquifer System Brazoria County	0	0	0	0	0	0
Brazoria County MUD 6	H	Gulf Coast Aquifer System Brazoria County	1,531	1,626	1,641	1,693	1,731	1,756
Clute	H	Brazos Run-of-River	2,240	2,240	2,240	2,240	2,240	2,240
Clute	H	Gulf Coast Aquifer System Brazoria County	417	362	344	306	267	215
Danbury	H	Gulf Coast Aquifer System Brazoria County	152	147	144	141	138	133
Fort Bend County FWSD 1		No water supply associated with WUG	0	0	0	0	0	0
Freeport	H	Brazos Run-of-River	1,713	1,713	1,712	1,713	1,714	1,714
Freeport	H	Direct Reuse	22	22	22	22	22	22
Hillcrest Village	H	Gulf Coast Aquifer System Brazoria County	99	93	91	88	85	83
Lake Jackson	H	Brazos Run-of-River	2,181	2,181	2,181	2,181	2,181	2,181
Lake Jackson	H	Gulf Coast Aquifer System Brazoria County	2,599	2,367	2,296	2,184	2,077	1,930
Manvel	H	Gulf Coast Aquifer System Brazoria County	786	794	784	776	773	771
Oyster Creek	H	Brazos Run-of-River	184	184	184	184	184	184
Oyster Creek	H	Gulf Coast Aquifer System Brazoria County	72	68	66	57	47	37
Pearland	H	Brazos Run-of-River	10,010	9,987	10,009	10,044	10,065	10,073
Pearland	H	Gulf Coast Aquifer System Brazoria County	7,289	8,790	9,446	10,112	10,638	10,935
Pearland	H	Livingston-Wallisville Lake/Reservoir System	15,985	15,948	15,983	16,039	16,073	16,084
Quadvest*	H	Gulf Coast Aquifer System Brazoria County	120	115	114	111	109	107
Richwood	H	Brazos Run-of-River	263	263	263	263	263	263
Richwood	H	Gulf Coast Aquifer System Brazoria County	174	157	150	139	127	112
Sedona Lakes MUD 1	H	Gulf Coast Aquifer System Brazoria County	256	258	283	292	292	296
Surfside Beach	H	Brazos Run-of-River	336	336	336	336	336	336
Surfside Beach	H	Gulf Coast Aquifer System Brazoria County	107	103	100	94	89	83
TDCJ Darrington Unit	H	Gulf Coast Aquifer System Brazoria County	743	710	690	683	672	659

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
TDCJ Ramsey Area	H	Brazos Run-of-River	1,008	1,008	1,008	1,008	1,008	1,008
TDCJ Ramsey Area	H	Gulf Coast Aquifer System Brazoria County	1,636	1,565	1,546	1,529	1,523	1,519
County-Other	H	Brazos Run-of-River	52	52	52	52	52	52
County-Other	H	Gulf Coast Aquifer System Brazoria County	8,294	7,950	7,850	7,765	7,733	7,714
Manufacturing	G	BRA System Operations Permit Supply	2,392	2,396	2,402	2,410	2,351	2,348
Manufacturing	G	Brazos River Authority Main Stem Lake/Reservoir System	8,165	8,167	8,168	8,167	8,166	8,165
Manufacturing	H	Brazos Run-of-River	16,209	16,203	16,196	16,189	16,183	16,177
Manufacturing	H	Direct Reuse	3,625	3,625	3,625	3,625	3,625	3,625
Manufacturing	H	Gulf Coast Aquifer System Brazoria County	788	756	746	738	735	733
Manufacturing	H	Livingston-Wallisville Lake/Reservoir System	8	8	8	8	8	8
Manufacturing	H	San Jacinto-Brazos Run-of-River	15,070	15,070	15,070	15,070	15,070	15,070
Mining	H	Gulf Coast Aquifer System Brazoria County	176	169	166	165	164	164
Livestock	H	Gulf Coast Aquifer System Brazoria County	855	819	809	800	797	795
Irrigation	H	Brazos Run-of-River	0	0	0	0	0	0
Irrigation	H	Gulf Coast Aquifer System Brazoria County	7,577	7,263	7,171	7,093	7,065	7,047
Irrigation	H	San Jacinto-Brazos Run-of-River	16,670	16,670	16,670	16,670	16,670	16,670
Chambers County WUG Total			214,281	215,293	216,467	217,567	218,255	219,019
Chambers County / Neches-Trinity Basin WUG Total			135,387	135,452	135,542	135,631	135,725	135,829
Anahuac	H	Trinity Run-of-River	1,052	1,053	1,054	1,055	1,054	1,053
Trinity Bay Conservation District*	I	Sam Rayburn-Steinhagen Lake/Reservoir System	587	588	588	589	590	591
Trinity Bay Conservation District*	H	Trinity Run-of-River	875	878	879	880	882	882
County-Other	H	Gulf Coast Aquifer System Chambers County	126	186	274	360	452	556

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

WUG Name	Source		Existing Supply (acre-feet per year)					
	Region	Source Description	2030	2040	2050	2060	2070	2080
Manufacturing		No water supply associated with WUG	0	0	0	0	0	0
Livestock	H	Gulf Coast Aquifer System Chambers County	431	431	431	431	431	431
Irrigation	H	Gulf Coast Aquifer System Chambers County	320	320	320	320	320	320
Irrigation	H	Livingston-Wallisville Lake/Reservoir System	16,499	16,499	16,499	16,499	16,499	16,499
Irrigation	H	Neches-Trinity Run-of-River	37,475	37,475	37,475	37,475	37,475	37,475
Irrigation	I	Sam Rayburn-Steinhagen Lake/Reservoir System	37,000	37,000	37,000	37,000	37,000	37,000
Irrigation	H	Trinity Run-of-River	41,022	41,022	41,022	41,022	41,022	41,022
Chambers County / Trinity Basin WUG Total			16,336	17,159	18,102	18,883	19,212	19,575
Anahuac	H	Trinity Run-of-River	53	52	51	50	51	52
Baytown	H	Livingston-Wallisville Lake/Reservoir System	122	133	158	187	223	263
C C Water Works	H	Gulf Coast Aquifer System Chambers County	165	165	165	165	165	165
Mont Belvieu	H	Gulf Coast Aquifer System Chambers County	3,046	3,278	3,329	3,596	3,888	4,209
Trinity Bay Conservation District*	I	Sam Rayburn-Steinhagen Lake/Reservoir System	132	132	133	133	133	133
Trinity Bay Conservation District*	H	Trinity Run-of-River	198	197	198	198	198	199
County-Other	H	Gulf Coast Aquifer System Chambers County	1,238	1,820	2,686	3,172	3,172	3,172
Manufacturing	H	Gulf Coast Aquifer System Chambers County	1,474	1,474	1,474	1,474	1,474	1,474
Livestock	H	Gulf Coast Aquifer System Chambers County	48	48	48	48	48	48
Irrigation	H	Gulf Coast Aquifer System Chambers County	60	60	60	60	60	60
Irrigation	H	Livingston-Wallisville Lake/Reservoir System	9,800	9,800	9,800	9,800	9,800	9,800
Chambers County / Trinity-San Jacinto Basin WUG Total			62,558	62,682	62,823	63,053	63,318	63,615
Baytown	H	Livingston-Wallisville Lake/Reservoir System	647	709	836	993	1,185	1,399

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
C C Water Works	H	Gulf Coast Aquifer System Chambers County	23	23	23	23	23	23
Chambers County MUD 1	H	Livingston-Wallisville Lake/Reservoir System	422	452	490	531	575	624
Mont Belvieu	H	Gulf Coast Aquifer System Chambers County	865	932	946	1,022	1,105	1,196
County-Other	H	Gulf Coast Aquifer System Chambers County	521	521	521	521	521	521
County-Other	H	Livingston-Wallisville Lake/Reservoir System	971	936	898	854	800	743
Manufacturing	H	Gulf Coast Aquifer System Chambers County	1,479	1,479	1,479	1,479	1,479	1,479
Manufacturing	H	Livingston-Wallisville Lake/Reservoir System	43,291	43,291	43,291	43,291	43,291	43,291
Mining	H	Gulf Coast Aquifer System Chambers County	1	1	1	1	1	1
Steam Electric Power	H	Livingston-Wallisville Lake/Reservoir System	11,063	11,063	11,063	11,063	11,063	11,063
Livestock	H	Gulf Coast Aquifer System Chambers County	42	42	42	42	42	42
Irrigation	H	Gulf Coast Aquifer System Chambers County	20	20	20	20	20	20
Irrigation	H	Livingston-Wallisville Lake/Reservoir System	2,000	2,000	2,000	2,000	2,000	2,000
Irrigation	H	Trinity-San Jacinto Run-of-River	1,213	1,213	1,213	1,213	1,213	1,213
Fort Bend County WUG Total			339,843	356,334	366,781	374,808	380,817	384,780
Fort Bend County / Brazos Basin WUG Total			206,655	215,951	222,422	227,247	230,659	232,160
First Colony MUD 9	H	Gulf Coast Aquifer System Fort Bend County	490	490	504	506	512	518
Fort Bend County FWSD 2	H	Gulf Coast Aquifer System Fort Bend County	27	27	27	27	27	27
Fort Bend County MUD 115	H	Brazos Run-of-River	698	698	698	698	698	698
Fort Bend County MUD 115	H	Gulf Coast Aquifer System Fort Bend County	2	5	32	38	48	56
Fort Bend County MUD 116	H	Gulf Coast Aquifer System Fort Bend County	950	1,012	1,012	1,019	1,025	1,034
Fort Bend County MUD 121	G	Brazos River Authority Main Stem Lake/Reservoir System	274	274	274	274	274	274

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Fort Bend County MUD 121	H	Gulf Coast Aquifer System Fort Bend County	183	182	182	182	182	182
Fort Bend County MUD 128	H	Brazos Run-of-River	1,948	1,948	1,948	1,948	1,948	1,948
Fort Bend County MUD 128	H	Direct Reuse	411	411	411	411	411	411
Fort Bend County MUD 129	H	Brazos Run-of-River	1,295	1,295	1,295	1,295	1,295	1,295
Fort Bend County MUD 129	H	Gulf Coast Aquifer System Fort Bend County	4	14	19	27	37	61
Fort Bend County MUD 140	G	Brazos River Authority Main Stem Lake/Reservoir System	505	505	505	505	505	505
Fort Bend County MUD 140	H	Gulf Coast Aquifer System Fort Bend County	148	148	149	149	170	186
Fort Bend County MUD 149	H	Brazos Run-of-River	1,595	1,595	1,595	1,595	1,595	1,595
Fort Bend County MUD 149	H	Gulf Coast Aquifer System Fort Bend County	5	5	24	25	28	39
Fort Bend County MUD 152	H	Gulf Coast Aquifer System Fort Bend County	680	679	681	694	706	708
Fort Bend County MUD 155	H	Gulf Coast Aquifer System Fort Bend County	629	683	748	800	845	872
Fort Bend County MUD 158	H	Gulf Coast Aquifer System Fort Bend County	443	466	495	519	539	551
Fort Bend County MUD 162	H	Gulf Coast Aquifer System Fort Bend County	266	266	274	285	318	331
Fort Bend County MUD 25	H	Direct Reuse	65	65	66	65	65	65
Fort Bend County MUD 25	H	Gulf Coast Aquifer System Fort Bend County	184	202	202	202	206	207
Fort Bend County MUD 46	H	Brazos Run-of-River	740	739	740	739	739	739
Fort Bend County MUD 46	H	Gulf Coast Aquifer System Fort Bend County	2	25	43	52	53	54
Fort Bend County MUD 49	H	Gulf Coast Aquifer System Fort Bend County	1	1	1	1	2	2
Fort Bend County MUD 5	H	Gulf Coast Aquifer System Fort Bend County	367	384	404	412	414	415
Fort Bend County MUD 81	H	Gulf Coast Aquifer System Fort Bend County	1,525	1,524	2,223	2,731	3,008	3,202

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Fort Bend County WCID 3	H	Gulf Coast Aquifer System Fort Bend County	360	360	360	360	372	379
Fulshear	H	Gulf Coast Aquifer System Fort Bend County	625	856	866	870	890	903
Needville	H	Gulf Coast Aquifer System Fort Bend County	139	219	278	283	285	286
North Fort Bend Water Authority	H	Direct Reuse	116	116	117	117	117	117
North Fort Bend Water Authority	H	Gulf Coast Aquifer System Fort Bend County	656	1,185	1,442	1,753	2,085	2,516
Pecan Grove MUD 1	G	BRA System Operations Permit Supply	334	335	336	336	328	328
Pecan Grove MUD 1	G	Brazos River Authority Main Stem Lake/Reservoir System	4,147	4,147	4,147	4,147	4,147	4,147
Pecan Grove MUD 1	H	Brazos Run-of-River	1,559	1,558	1,557	1,556	1,555	1,554
Pecan Grove MUD 1	H	Gulf Coast Aquifer System Fort Bend County	1,084	1,175	1,232	1,255	1,266	1,283
Plantation MUD	H	Direct Reuse	6	6	6	6	6	6
Plantation MUD	H	Gulf Coast Aquifer System Fort Bend County	395	399	407	409	412	416
Quadvest*	H	Gulf Coast Aquifer System Fort Bend County	575	708	851	977	1,075	1,135
Richmond	G	BRA System Operations Permit Supply	1,548	1,548	1,548	1,548	1,548	1,548
Richmond	G	Brazos River Authority Main Stem Lake/Reservoir System	1,018	1,018	1,018	1,018	1,018	1,018
Richmond	H	Direct Reuse	263	263	263	263	263	263
Richmond	H	Gulf Coast Aquifer System Fort Bend County	48	137	200	212	253	314
Rosenberg	H	Brazos Run-of-River	3,360	3,360	3,360	3,360	3,360	3,360
Rosenberg	H	Direct Reuse	556	556	556	556	556	556
Rosenberg	H	Gulf Coast Aquifer System Fort Bend County	3,406	5,397	7,975	9,917	11,200	11,467
Royal Valley Utilities	H	Gulf Coast Aquifer System Fort Bend County	899	937	953	1,010	1,021	1,045
Sienna Plantation	H	Brazos Run-of-River	5,323	5,275	5,271	5,266	5,263	5,258
Sienna Plantation	H	Direct Reuse	3	3	3	3	3	3
Sienna Plantation	H	Gulf Coast Aquifer System Fort Bend County	16	85	155	184	222	290

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Sugar Land	H	Brazos Run-of-River	6,158	6,158	6,158	6,158	6,158	6,158
Sugar Land	H	Direct Reuse	329	329	329	329	329	329
Sugar Land	H	Gulf Coast Aquifer System Fort Bend County	5,844	5,966	6,182	6,262	6,368	6,550
Sugar Land	H	San Jacinto-Brazos Run-of-River	2,394	2,366	2,400	2,438	2,472	2,490
TDCJ Jester Units	H	Gulf Coast Aquifer System Fort Bend County	547	546	546	546	546	546
Thunderbird UD	H	Gulf Coast Aquifer System Fort Bend County	168	169	181	181	181	187
County-Other	G	Brazos River Authority Main Stem Lake/Reservoir System	1,282	1,282	1,282	1,282	1,282	1,282
County-Other	H	Direct Reuse	458	458	458	458	458	458
County-Other	H	Gulf Coast Aquifer System Fort Bend County	7,828	13,620	15,665	17,222	18,206	18,206
Manufacturing	G	Brazos River Authority Main Stem Lake/Reservoir System	67	67	67	67	67	67
Manufacturing	H	Brazos Run-of-River	369	369	369	369	369	369
Manufacturing	H	Gulf Coast Aquifer System Fort Bend County	506	525	545	565	586	607
Mining	H	Brazos Run-of-River	378	378	378	378	378	378
Mining	H	Gulf Coast Aquifer System Fort Bend County	13	15	17	19	20	22
Steam Electric Power	G	Brazos River Authority Main Stem Lake/Reservoir System	83,000	83,000	83,000	83,000	83,000	83,000
Steam Electric Power	H	Brazos Run-of-River	41,719	41,695	41,670	41,646	41,622	41,622
Livestock	H	Gulf Coast Aquifer System Fort Bend County	424	424	424	424	424	424
Irrigation	H	Brazos Run-of-River	12,000	12,000	12,000	12,000	12,000	12,000
Irrigation	H	Gulf Coast Aquifer System Fort Bend County	3,298	3,298	3,298	3,298	3,298	3,298
Fort Bend County / Brazos-Colorado Basin WUG Total			15,491	16,177	16,206	16,220	16,246	16,261
Kendleton	H	Gulf Coast Aquifer System Fort Bend County	90	492	492	492	514	527
Needville	H	Gulf Coast Aquifer System Fort Bend County	190	310	339	353	357	359

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
County-Other	H	Gulf Coast Aquifer System Fort Bend County	2,672	2,836	2,836	2,836	2,836	2,836
Livestock	H	Gulf Coast Aquifer System Fort Bend County	138	138	138	138	138	138
Irrigation	H	Gulf Coast Aquifer System Fort Bend County	12,401	12,401	12,401	12,401	12,401	12,401
Fort Bend County / San Jacinto Basin WUG Total			46,772	44,720	46,025	47,178	48,265	49,295
Blue Ridge West MUD	H	Direct Reuse	9	9	9	9	9	9
Blue Ridge West MUD	H	Gulf Coast Aquifer System Fort Bend County	943	944	951	972	979	987
Fort Bend County FWSD 2	H	Gulf Coast Aquifer System Fort Bend County	32	34	38	42	45	47
Fort Bend County MUD 26	H	Gulf Coast Aquifer System Fort Bend County	121	121	122	129	131	134
Fort Bend County WCID 2	G	BRA System Operations Permit Supply	696	700	703	705	688	688
Fort Bend County WCID 2	G	Brazos River Authority Main Stem Lake/Reservoir System	828	830	832	832	833	833
Fort Bend County WCID 2	H	Brazos Run-of-River	3,193	3,199	3,201	3,203	3,203	3,202
Fort Bend County WCID 2	H	Gulf Coast Aquifer System Fort Bend County	1,190	1,420	1,526	1,603	1,665	1,739
Fulshear	H	Gulf Coast Aquifer System Fort Bend County	57	66	66	66	66	66
Houston	H	Gulf Coast Aquifer System Fort Bend County	2,887	3,153	3,317	3,478	3,593	3,701
Houston	H	Livingston-Wallisville Lake/Reservoir System	4,355	4,603	4,709	4,887	5,080	5,211
Katy	H	Gulf Coast Aquifer System Fort Bend County	1,494	1,756	1,904	1,916	2,019	2,118
Meadows Place	H	Direct Reuse	25	25	25	25	25	25
Meadows Place	H	Gulf Coast Aquifer System Fort Bend County	806	816	831	852	864	876
North Fort Bend Water Authority	H	Direct Reuse	1,116	1,118	1,119	1,121	1,122	1,122
North Fort Bend Water Authority	H	Gulf Coast Aquifer System Fort Bend County	17,454	18,244	18,935	19,545	20,085	20,606
North Fort Bend Water Authority	H	Livingston-Wallisville Lake/Reservoir System	9,144	5,190	5,154	5,138	5,132	5,129

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Sugar Land	H	Brazos Run-of-River	490	490	490	490	490	490
Sugar Land	H	Gulf Coast Aquifer System Fort Bend County	569	587	608	616	623	638
Sugar Land	H	San Jacinto-Brazos Run-of-River	110	102	98	93	90	88
West Harris County Regional Water Authority	H	Gulf Coast Aquifer System Fort Bend County	0	9	35	61	81	100
Willow Creek Farms MUD	H	Gulf Coast Aquifer System Waller County	63	80	91	91	91	91
County-Other	H	Gulf Coast Aquifer System Fort Bend County	28	33	40	51	66	76
Manufacturing	H	Gulf Coast Aquifer System Fort Bend County	787	816	846	878	910	944
Livestock	H	Gulf Coast Aquifer System Fort Bend County	11	11	11	11	11	11
Irrigation	H	Gulf Coast Aquifer System Fort Bend County	364	364	364	364	364	364
Fort Bend County / San Jacinto-Brazos Basin WUG Total			70,925	79,486	82,128	84,163	85,647	87,064
First Colony MUD 9	H	Gulf Coast Aquifer System Fort Bend County	851	855	872	897	918	935
Fort Bend County FWSD 1	H	Gulf Coast Aquifer System Fort Bend County	689	854	916	933	956	979
Fort Bend County FWSD 2	H	Gulf Coast Aquifer System Fort Bend County	183	189	202	210	221	234
Fort Bend County MUD 131	H	Gulf Coast Aquifer System Fort Bend County	245	251	256	259	273	281
Fort Bend County MUD 23	H	Gulf Coast Aquifer System Fort Bend County	1,578	1,597	1,597	1,603	1,608	1,613
Fort Bend County MUD 24	H	Gulf Coast Aquifer System Fort Bend County	286	298	298	298	298	299
Fort Bend County MUD 25	H	Direct Reuse	456	456	455	456	456	456
Fort Bend County MUD 25	H	Gulf Coast Aquifer System Fort Bend County	777	786	798	800	808	818
Fort Bend County MUD 26	H	Gulf Coast Aquifer System Fort Bend County	499	508	516	525	528	533
Fort Bend County MUD 42	H	Gulf Coast Aquifer System Fort Bend County	705	718	726	734	742	751
Fort Bend County MUD 46	H	Brazos Run-of-River	7	8	7	8	8	8

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Fort Bend County MUD 46	H	Gulf Coast Aquifer System Fort Bend County	0	1	1	1	1	1
Fort Bend County MUD 47	H	Brazos Run-of-River	346	346	346	346	346	346
Fort Bend County MUD 47	H	Gulf Coast Aquifer System Fort Bend County	1	1	1	1	1	8
Fort Bend County MUD 48	H	Brazos Run-of-River	497	497	497	497	497	497
Fort Bend County MUD 48	H	Gulf Coast Aquifer System Fort Bend County	2	4	6	18	23	26
Fort Bend County MUD 49	H	Brazos Run-of-River	116	116	116	116	116	116
Fort Bend County MUD 49	H	Gulf Coast Aquifer System Fort Bend County	6	8	8	8	13	13
Fort Bend County WCID 2	G	BRA System Operations Permit Supply	760	765	768	771	751	752
Fort Bend County WCID 2	G	Brazos River Authority Main Stem Lake/Reservoir System	905	908	908	910	910	911
Fort Bend County WCID 2	H	Brazos Run-of-River	3,488	3,494	3,498	3,499	3,500	3,499
Fort Bend County WCID 2	H	Gulf Coast Aquifer System Fort Bend County	2,037	2,108	2,196	2,272	2,358	2,453
Fulshear	H	Gulf Coast Aquifer System Fort Bend County	3,241	4,051	4,075	4,141	4,216	4,270
Houston	H	Gulf Coast Aquifer System Fort Bend County	393	411	423	448	470	480
Houston	H	Livingston-Wallisville Lake/Reservoir System	556	588	601	624	649	665
Meadowcreek MUD	H	Gulf Coast Aquifer System Fort Bend County	256	256	260	262	263	265
Missouri City	G	BRA System Operations Permit Supply	3,345	3,355	3,364	3,373	3,287	3,287
Missouri City	G	Brazos River Authority Main Stem Lake/Reservoir System	3,467	3,397	3,391	3,384	3,378	3,372
Missouri City	H	Brazos Run-of-River	2,539	2,599	2,596	2,594	2,591	2,587
Missouri City	H	Gulf Coast Aquifer System Fort Bend County	5	109	159	181	223	242
North Fort Bend Water Authority	H	Direct Reuse	723	725	726	727	727	727

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
North Fort Bend Water Authority	H	Gulf Coast Aquifer System Fort Bend County	5,483	7,634	9,249	10,497	11,290	11,992
North Fort Bend Water Authority	H	Livingston-Wallisville Lake/Reservoir System	12,696	16,650	16,686	16,702	16,708	16,711
Palmer Plantation MUD 1	H	Gulf Coast Aquifer System Fort Bend County	437	438	438	438	439	447
Palmer Plantation MUD 2	H	Gulf Coast Aquifer System Fort Bend County	332	331	331	331	331	331
Pearland	H	Brazos Run-of-River	476	552	547	528	514	506
Pearland	H	Livingston-Wallisville Lake/Reservoir System	760	882	874	843	821	809
Pecan Grove MUD 1	G	BRA System Operations Permit Supply	4	4	4	5	4	4
Pecan Grove MUD 1	G	Brazos River Authority Main Stem Lake/Reservoir System	55	55	55	55	55	55
Pecan Grove MUD 1	H	Brazos Run-of-River	21	21	21	21	21	21
Pecan Grove MUD 1	H	Gulf Coast Aquifer System Fort Bend County	15	16	16	16	16	16
Quail Valley UD	H	Direct Reuse	634	634	634	634	634	634
Quail Valley UD	H	Gulf Coast Aquifer System Fort Bend County	1,823	1,850	1,860	1,909	1,934	1,959
Sienna Plantation	G	Brazos River Authority Main Stem Lake/Reservoir System	513	583	589	596	602	608
Sienna Plantation	H	Brazos Run-of-River	2,479	2,457	2,455	2,453	2,450	2,449
Sienna Plantation	H	Direct Reuse	9	9	9	9	9	9
Sienna Plantation	H	Gulf Coast Aquifer System Fort Bend County	7	20	74	100	123	138
Sugar Land	H	Brazos Run-of-River	3,026	3,026	3,026	3,026	3,026	3,026
Sugar Land	H	Gulf Coast Aquifer System Fort Bend County	3,345	3,565	3,650	3,791	3,927	4,054
Sugar Land	H	San Jacinto-Brazos Run-of-River	1,156	1,192	1,162	1,129	1,098	1,082
TDCJ Jester Units	H	Gulf Coast Aquifer System Fort Bend County	1	1	1	1	1	1
Thunderbird UD	H	Gulf Coast Aquifer System Fort Bend County	653	660	670	675	682	692
County-Other	H	Gulf Coast Aquifer System Fort Bend County	2,011	2,603	3,135	3,434	3,743	3,997

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

WUG Name	Source		Existing Supply (acre-feet per year)					
	Region	Source Description	2030	2040	2050	2060	2070	2080
Manufacturing	G	BRA System Operations Permit Supply	230	231	231	231	226	226
Manufacturing	G	Brazos River Authority Main Stem Lake/Reservoir System	274	273	274	274	274	273
Manufacturing	H	Brazos Run-of-River	1,771	1,771	1,770	1,770	1,769	1,769
Manufacturing	H	Gulf Coast Aquifer System Fort Bend County	378	392	407	422	437	454
Livestock	H	Gulf Coast Aquifer System Fort Bend County	100	100	100	100	100	100
Irrigation	H	Gulf Coast Aquifer System Fort Bend County	3,112	3,112	3,112	3,112	3,112	3,112
Irrigation	H	San Jacinto-Brazos Run-of-River	165	165	165	165	165	165
Galveston County WUG Total			170,489	170,570	170,682	169,895	168,925	168,699
Galveston County / Neches-Trinity Basin WUG Total			6,057	6,057	6,057	6,057	6,057	6,057
Bolivar Peninsula SUD	I	Sam Rayburn-Steinhagen Lake/Reservoir System	6,000	6,000	6,000	6,000	6,000	6,000
Livestock	H	Gulf Coast Aquifer System Galveston County	1	1	1	1	1	1
Irrigation	H	Gulf Coast Aquifer System Galveston County	56	56	56	56	56	56
Galveston County / San Jacinto-Brazos Basin WUG Total			164,432	164,513	164,625	163,838	162,868	162,642
Bacliff MUD	G	BRA System Operations Permit Supply	159	160	160	161	156	157
Bacliff MUD	G	Brazos River Authority Main Stem Lake/Reservoir System	189	189	189	189	189	189
Bacliff MUD	H	Brazos Run-of-River	745	744	744	743	743	742
Bacliff MUD	H	Direct Reuse	68	68	68	68	68	68
Bacliff MUD	H	Gulf Coast Aquifer System Galveston County	12	12	12	12	12	12
Bayview MUD	G	BRA System Operations Permit Supply	52	53	53	53	51	51
Bayview MUD	G	Brazos River Authority Main Stem Lake/Reservoir System	62	62	62	62	61	62
Bayview MUD	H	Brazos Run-of-River	243	242	242	242	243	242

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Bayview MUD	H	Gulf Coast Aquifer System Galveston County	1	1	1	1	1	1
Friendswood	H	Gulf Coast Aquifer System Galveston County	1,129	1,169	1,198	1,221	1,235	1,246
Friendswood	H	Livingston-Wallisville Lake/Reservoir System	10,066	10,118	10,197	10,262	10,263	10,252
Galveston	G	BRA System Operations Permit Supply	2,808	2,817	2,824	2,832	2,759	2,760
Galveston	G	Brazos River Authority Main Stem Lake/Reservoir System	3,341	3,341	3,342	3,341	3,342	3,342
Galveston	H	Brazos Run-of-River	19,681	19,672	19,664	19,657	19,649	19,641
Galveston	H	Gulf Coast Aquifer System Galveston County	1,832	1,839	1,865	1,881	1,893	1,905
Galveston County FWSD 6	G	BRA System Operations Permit Supply	108	109	109	109	107	107
Galveston County FWSD 6	G	Brazos River Authority Main Stem Lake/Reservoir System	129	129	129	129	129	129
Galveston County FWSD 6	H	Brazos Run-of-River	507	506	506	506	504	504
Galveston County MUD 12	G	BRA System Operations Permit Supply	61	61	61	61	59	60
Galveston County MUD 12	G	Brazos River Authority Main Stem Lake/Reservoir System	71	71	71	71	72	71
Galveston County MUD 12	H	Brazos Run-of-River	281	281	281	281	281	281
Galveston County MUD 12	H	Gulf Coast Aquifer System Galveston County	16	16	16	16	16	16
Galveston County WCID 1	G	BRA System Operations Permit Supply	557	558	560	562	548	548
Galveston County WCID 1	G	Brazos River Authority Main Stem Lake/Reservoir System	663	663	663	663	663	663
Galveston County WCID 1	H	Brazos Run-of-River	1,401	1,400	1,398	1,396	1,395	1,393
Galveston County WCID 1	H	Direct Reuse	424	424	424	424	424	424
Galveston County WCID 1	H	Gulf Coast Aquifer System Galveston County	284	292	298	301	304	306

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Galveston County WCID 12	G	BRA System Operations Permit Supply	413	414	416	417	406	406
Galveston County WCID 12	G	Brazos River Authority Main Stem Lake/Reservoir System	491	491	491	491	492	491
Galveston County WCID 12	H	Brazos Run-of-River	1,931	1,930	1,928	1,927	1,925	1,925
Galveston County WCID 12	H	Gulf Coast Aquifer System Galveston County	37	37	37	37	37	37
Galveston County WCID 8	G	BRA System Operations Permit Supply	222	223	223	224	218	218
Galveston County WCID 8	G	Brazos River Authority Main Stem Lake/Reservoir System	264	264	264	264	264	264
Galveston County WCID 8	H	Brazos Run-of-River	1,038	1,037	1,037	1,036	1,035	1,034
Galveston County WCID 8	H	Direct Reuse	161	161	161	161	161	161
Galveston County WCID 8	H	Gulf Coast Aquifer System Galveston County	34	34	34	34	34	34
Hitchcock	G	BRA System Operations Permit Supply	267	268	269	270	263	263
Hitchcock	G	Brazos River Authority Main Stem Lake/Reservoir System	319	319	318	318	318	318
Hitchcock	H	Brazos Run-of-River	1,251	1,250	1,250	1,249	1,248	1,248
Hitchcock	H	Gulf Coast Aquifer System Galveston County	50	50	50	50	50	50
Jamaica Beach	H	Brazos Run-of-River	315	315	315	315	315	315
La Marque	G	BRA System Operations Permit Supply	539	540	542	543	529	529
La Marque	G	Brazos River Authority Main Stem Lake/Reservoir System	641	641	641	641	641	641
La Marque	H	Brazos Run-of-River	2,518	2,517	2,515	2,514	2,513	2,511
La Marque	H	Gulf Coast Aquifer System Galveston County	189	189	189	189	189	189
League City	G	BRA System Operations Permit Supply	727	729	732	734	715	715
League City	G	Brazos River Authority Main Stem Lake/Reservoir System	882	882	882	883	882	883

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
League City	H	Brazos Run-of-River	4,587	4,585	4,583	4,580	4,579	4,576
League City	H	Direct Reuse	768	769	769	769	769	769
League City	H	Gulf Coast Aquifer System Galveston County	585	598	604	605	606	607
League City	H	Livingston-Wallisville Lake/Reservoir System	17,997	17,990	17,997	17,999	17,999	18,000
San Leon MUD	G	BRA System Operations Permit Supply	239	239	240	241	235	235
San Leon MUD	G	Brazos River Authority Main Stem Lake/Reservoir System	285	285	284	284	285	285
San Leon MUD	H	Brazos Run-of-River	1,115	1,115	1,115	1,114	1,113	1,112
San Leon MUD	H	Gulf Coast Aquifer System Galveston County	1	1	1	1	1	1
Texas City	G	BRA System Operations Permit Supply	1,539	1,543	1,548	1,552	1,512	1,513
Texas City	G	Brazos River Authority Main Stem Lake/Reservoir System	1,832	1,832	1,832	1,832	1,832	1,832
Texas City	H	Brazos Run-of-River	7,196	7,192	7,187	7,183	7,178	7,173
Texas City	H	Gulf Coast Aquifer System Galveston County	766	795	818	833	843	852
County-Other	H	Brazos Run-of-River	14	14	14	14	14	14
County-Other	H	Gulf Coast Aquifer System Galveston County	332	351	364	375	380	383
Manufacturing	G	BRA System Operations Permit Supply	16,126	16,072	16,018	15,122	14,352	14,141
Manufacturing	G	Brazos River Authority Main Stem Lake/Reservoir System	10,675	10,673	10,673	10,673	10,672	10,675
Manufacturing	H	Brazos Run-of-River	42,631	42,606	42,582	42,555	42,531	42,505
Manufacturing	H	Gulf Coast Aquifer System Galveston County	301	301	301	301	301	301
Steam Electric Power	H	Gulf Coast Aquifer System Galveston County	0	0	0	0	0	0
Livestock	H	Gulf Coast Aquifer System Galveston County	20	20	20	20	20	20
Irrigation	H	Brazos Run-of-River	0	0	0	0	0	0
Irrigation	H	Gulf Coast Aquifer System Galveston County	208	208	208	208	208	208

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Irrigation	H	San Jacinto-Brazos Run-of-River	36	36	36	36	36	36
Harris County WUG Total			1,284,387	1,195,546	1,203,005	1,205,895	1,207,136	1,208,834
Harris County / San Jacinto Basin WUG Total			1,019,818	930,300	937,363	940,596	942,355	944,507
Baker Road MUD	H	Gulf Coast Aquifer System Harris County	247	199	199	199	202	205
Baytown	H	Gulf Coast Aquifer System Harris County	1,272	1,335	1,377	1,390	1,395	1,382
Baytown	H	Livingston-Wallisville Lake/Reservoir System	6,498	6,426	6,335	6,228	6,101	5,958
Bellaire	H	Gulf Coast Aquifer System Harris County	773	786	787	788	776	768
Bellaire	H	Livingston-Wallisville Lake/Reservoir System	3,092	3,144	3,148	3,152	3,106	3,073
Blue Bell Manor Utility	H	Gulf Coast Aquifer System Harris County	426	341	344	345	343	343
Bunker Hill Village	H	Gulf Coast Aquifer System Harris County	353	350	350	350	351	350
Bunker Hill Village	H	Livingston-Wallisville Lake/Reservoir System	1,313	1,399	1,400	1,400	1,405	1,399
Central Harris County Regional Water Authority	H	Gulf Coast Aquifer System Harris County	2,138	1,076	1,089	1,097	1,125	1,145
Central Harris County Regional Water Authority	H	Houston Lake/Reservoir	2,374	2,374	2,374	2,374	2,374	2,374
Chimney Hill MUD	H	Direct Reuse	69	69	69	69	69	69
Chimney Hill MUD	H	Gulf Coast Aquifer System Harris County	214	106	106	106	106	106
Chimney Hill MUD	H	Livingston-Wallisville Lake/Reservoir System	320	424	424	424	424	425
Country Terrace Water	H	Gulf Coast Aquifer System Harris County	33	33	33	33	33	33
Country Terrace Water	H	Livingston-Wallisville Lake/Reservoir System	140	140	140	140	140	140
Crosby MUD	H	Gulf Coast Aquifer System Harris County	285	266	268	278	297	298
Crosby MUD	H	San Jacinto Run-of-River	975	975	975	975	975	975
Deer Park	H	Gulf Coast Aquifer System Harris County	136	138	139	139	140	140

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Deer Park	H	Livingston-Wallisville Lake/Reservoir System	1,235	1,241	1,249	1,253	1,258	1,253
Douglas Utility	H	Gulf Coast Aquifer System Harris County	285	228	229	230	229	229
El Dorado UD	H	Gulf Coast Aquifer System Harris County	419	337	344	346	348	349
Forest Hills MUD	H	Direct Reuse	34	34	34	34	34	34
Forest Hills MUD	H	Gulf Coast Aquifer System Harris County	263	210	210	210	125	209
Fort Bend County WCID 2	G	BRA System Operations Permit Supply	51	47	45	44	42	41
Fort Bend County WCID 2	G	Brazos River Authority Main Stem Lake/Reservoir System	61	56	54	52	51	50
Fort Bend County WCID 2	H	Brazos Run-of-River	234	217	207	200	195	192
Fort Bend County WCID 2	H	Gulf Coast Aquifer System Harris County	128	65	65	65	65	67
Galena Park	H	Gulf Coast Aquifer System Harris County	89	88	91	92	94	90
Galena Park	H	Livingston-Wallisville Lake/Reservoir System	880	880	880	880	880	880
Green Trails MUD	H	Gulf Coast Aquifer System Harris County	594	477	477	477	480	483
Greenwood UD	H	Gulf Coast Aquifer System Harris County	145	145	145	145	144	144
Greenwood UD	H	Livingston-Wallisville Lake/Reservoir System	578	579	579	579	574	575
Harris County FWSD 1-A	H	Gulf Coast Aquifer System Harris County	45	45	45	45	45	44
Harris County FWSD 1-A	H	Livingston-Wallisville Lake/Reservoir System	185	185	185	185	185	185
Harris County FWSD 27	H	Gulf Coast Aquifer System Harris County	30	36	38	39	45	43
Harris County FWSD 27	H	Livingston-Wallisville Lake/Reservoir System	267	267	267	267	267	267
Harris County FWSD 58	H	Gulf Coast Aquifer System Harris County	336	269	269	269	269	269
Harris County MUD 106	H	Gulf Coast Aquifer System Harris County	614	621	643	654	679	688
Harris County MUD 11	H	Direct Reuse	45	45	45	45	45	45

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Harris County MUD 11	H	Gulf Coast Aquifer System Harris County	372	297	297	297	296	296
Harris County MUD 119	H	Gulf Coast Aquifer System Harris County	784	630	630	630	629	629
Harris County MUD 122	H	Brazos Run-of-River	133	133	133	133	133	133
Harris County MUD 122	H	Gulf Coast Aquifer System Harris County	41	27	27	27	28	29
Harris County MUD 132	H	Gulf Coast Aquifer System Harris County	1,906	1,951	2,016	2,041	2,101	2,132
Harris County MUD 148	H	Gulf Coast Aquifer System Harris County	119	121	133	139	139	139
Harris County MUD 148	H	Houston Lake/Reservoir	475	484	532	555	556	558
Harris County MUD 151	H	Gulf Coast Aquifer System Harris County	1,107	1,121	1,144	1,157	1,206	1,216
Harris County MUD 152	H	Gulf Coast Aquifer System Harris County	1,012	1,024	1,059	1,072	1,109	1,122
Harris County MUD 153	H	Gulf Coast Aquifer System Harris County	1,491	1,197	1,206	1,209	1,219	1,223
Harris County MUD 154	H	Gulf Coast Aquifer System Harris County	1,293	1,036	1,043	1,045	1,052	1,055
Harris County MUD 180	H	Gulf Coast Aquifer System Harris County	524	531	534	536	546	560
Harris County MUD 189	H	Gulf Coast Aquifer System Harris County	562	453	454	455	460	465
Harris County MUD 216	H	Gulf Coast Aquifer System Harris County	498	400	400	400	400	401
Harris County MUD 221	H	Gulf Coast Aquifer System Harris County	532	426	428	429	431	432
Harris County MUD 23	H	Gulf Coast Aquifer System Harris County	161	80	80	80	80	79
Harris County MUD 23	H	Livingston-Wallisville Lake/Reservoir System	242	322	322	322	319	318
Harris County MUD 261	H	Gulf Coast Aquifer System Harris County	113	59	60	61	61	61
Harris County MUD 278	H	Direct Reuse	9	9	9	9	9	9
Harris County MUD 278	H	Gulf Coast Aquifer System Harris County	939	752	765	769	772	773
Harris County MUD 278	H	Houston Lake/Reservoir	836	836	836	836	836	836

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WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Harris County MUD 290	H	Gulf Coast Aquifer System Harris County	1,150	1,173	1,242	1,271	1,312	1,327
Harris County MUD 321	H	Gulf Coast Aquifer System Harris County	102	56	57	58	57	57
Harris County MUD 321	H	Houston Lake/Reservoir	152	222	228	230	228	227
Harris County MUD 342	H	Gulf Coast Aquifer System Harris County	735	589	621	635	636	639
Harris County MUD 344	H	Gulf Coast Aquifer System Harris County	1,101	929	929	929	929	929
Harris County MUD 344	H	Houston Lake/Reservoir	522	522	522	522	522	522
Harris County MUD 345	H	Gulf Coast Aquifer System Harris County	939	752	753	754	762	763
Harris County MUD 36	H	Gulf Coast Aquifer System Harris County	606	491	536	556	557	563
Harris County MUD 361	H	Gulf Coast Aquifer System Harris County	639	526	533	536	539	540
Harris County MUD 372	H	Gulf Coast Aquifer System Harris County	307	162	162	162	167	172
Harris County MUD 372	H	Livingston-Wallisville Lake/Reservoir System	627	648	647	648	666	688
Harris County MUD 400	H	Gulf Coast Aquifer System Harris County	1,511	1,212	1,230	1,237	1,248	1,251
Harris County MUD 400	H	Houston Lake/Reservoir	1,050	1,050	1,050	1,050	1,050	1,050
Harris County MUD 412	H	Gulf Coast Aquifer System Harris County	1,304	1,047	1,072	1,083	1,086	1,090
Harris County MUD 412	H	Houston Lake/Reservoir	365	367	366	365	364	362
Harris County MUD 420	H	Gulf Coast Aquifer System Harris County	29	29	30	30	30	30
Harris County MUD 420	H	Livingston-Wallisville Lake/Reservoir System	116	114	122	122	118	118
Harris County MUD 46	H	Gulf Coast Aquifer System Harris County	657	654	656	658	658	658
Harris County MUD 49	H	Gulf Coast Aquifer System Harris County	827	664	674	678	679	679
Harris County MUD 49	H	Houston Lake/Reservoir	366	366	366	366	366	366
Harris County MUD 494	H	Gulf Coast Aquifer System Harris County	381	306	312	314	317	318

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Harris County MUD 5	H	Gulf Coast Aquifer System Harris County	202	102	103	104	106	110
Harris County MUD 5	H	Houston Lake/Reservoir	304	407	411	415	425	438
Harris County MUD 50	H	Gulf Coast Aquifer System Harris County	88	90	93	95	99	102
Harris County MUD 50	H	San Jacinto Run-of-River	560	560	560	560	560	560
Harris County MUD 504	H	Houston Lake/Reservoir	426	424	425	426	427	429
Harris County MUD 58	H	Gulf Coast Aquifer System Harris County	262	209	209	209	209	209
Harris County MUD 6	H	Gulf Coast Aquifer System Harris County	163	82	82	82	81	81
Harris County MUD 6	H	Livingston-Wallisville Lake/Reservoir System	264	264	264	264	264	264
Harris County MUD 8	H	Gulf Coast Aquifer System Harris County	103	105	111	113	112	112
Harris County MUD 8	H	Livingston-Wallisville Lake/Reservoir System	530	530	530	530	530	530
Harris County MUD 96	H	Gulf Coast Aquifer System Harris County	279	139	149	152	153	155
Harris County MUD 96	H	Houston Lake/Reservoir	418	555	594	610	614	618
Harris County UD 14	H	Gulf Coast Aquifer System Harris County	210	168	169	169	169	169
Harris County UD 15	H	Gulf Coast Aquifer System Harris County	528	423	423	423	425	427
Harris County WCID 1	H	Gulf Coast Aquifer System Harris County	131	133	138	140	148	149
Harris County WCID 1	H	Livingston-Wallisville Lake/Reservoir System	784	784	784	784	784	784
Harris County WCID 133	H	Gulf Coast Aquifer System Harris County	741	596	596	596	595	595
Harris County WCID 70	H	Gulf Coast Aquifer System Harris County	229	183	183	183	183	183
Harris County WCID 74	H	Gulf Coast Aquifer System Harris County	671	538	542	543	541	541
Harris County WCID 96	H	Direct Reuse	83	83	83	83	83	83
Harris County WCID 96	H	Gulf Coast Aquifer System Harris County	598	304	345	358	351	352

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Harris County WCID 96	H	Houston Lake/Reservoir	2,464	2,464	2,464	2,464	2,464	2,464
Harris County WCID-Fondren Road	H	Gulf Coast Aquifer System Harris County	52	53	53	53	52	52
Harris County WCID-Fondren Road	H	Livingston-Wallisville Lake/Reservoir System	308	308	308	308	308	308
Hilshire Village	H	Gulf Coast Aquifer System Harris County	83	41	41	42	41	41
Hilshire Village	H	Livingston-Wallisville Lake/Reservoir System	125	166	166	166	165	164
HMW SUD	H	Gulf Coast Aquifer System Harris County	304	243	244	244	246	248
Houston	H	Gulf Coast Aquifer System Harris County	101,035	66,121	68,259	69,196	68,804	69,040
Houston	H	Houston Lake/Reservoir	29,489	29,489	29,489	29,489	29,489	29,489
Houston	H	Livingston-Wallisville Lake/Reservoir System	261,816	261,547	261,433	261,241	261,032	260,891
Houston	H	San Jacinto Indirect Reuse	4,862	4,937	5,027	5,147	5,147	5,147
Houston	H	San Jacinto Run-of-River	5,736	5,736	5,736	5,736	5,736	5,736
Humble	H	Gulf Coast Aquifer System Harris County	1,876	968	1,107	1,172	1,210	1,229
Humble	H	Houston Lake/Reservoir	2,814	3,873	4,429	4,688	4,841	4,915
Jacinto City	H	Gulf Coast Aquifer System Harris County	133	133	138	139	142	134
Jacinto City	H	Livingston-Wallisville Lake/Reservoir System	909	909	909	909	909	909
Jersey Village	H	Gulf Coast Aquifer System Harris County	717	370	373	376	386	400
Jersey Village	H	Livingston-Wallisville Lake/Reservoir System	1,076	1,479	1,494	1,502	1,545	1,599
Katy	H	Gulf Coast Aquifer System Harris County	2,926	2,976	2,997	3,017	3,086	3,169
Kings Manor MUD	H	Gulf Coast Aquifer System Harris County	15	7	7	7	7	7
Kings Manor MUD	H	Gulf Coast Aquifer System Montgomery County	103	86	74	67	64	60
La Porte	H	Direct Reuse	54	54	54	54	54	54
La Porte	H	Gulf Coast Aquifer System Harris County	34	35	36	36	37	37
La Porte	H	Livingston-Wallisville Lake/Reservoir System	456	457	457	457	456	457

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Lake MUD	H	Gulf Coast Aquifer System Harris County	131	133	135	137	144	146
Lake MUD	H	Livingston-Wallisville Lake/Reservoir System	1,057	1,057	1,059	1,058	1,058	1,058
Longhorn Town UD	H	Gulf Coast Aquifer System Harris County	423	339	338	338	338	340
Luce Bayou PUD	H	Gulf Coast Aquifer System Harris County	80	79	79	79	79	79
Mason Creek UD	H	Gulf Coast Aquifer System Harris County	1,400	1,123	1,123	1,123	1,129	1,134
Meadows Place	H	Direct Reuse	1	1	1	1	1	1
Memorial Villages Water Authority	H	Gulf Coast Aquifer System Harris County	1,220	1,231	1,330	1,371	1,351	1,351
Memorial Villages Water Authority	H	Livingston-Wallisville Lake/Reservoir System	2,283	2,283	2,283	2,283	2,283	2,283
Morgans Point	H	Gulf Coast Aquifer System Harris County	0	1	1	1	1	1
Morgans Point	H	Livingston-Wallisville Lake/Reservoir System	100	100	100	100	100	100
Mount Houston Road MUD	H	Gulf Coast Aquifer System Harris County	760	610	611	611	610	609
Newport MUD	H	Gulf Coast Aquifer System Harris County	516	308	331	343	358	358
Newport MUD	H	San Jacinto Run-of-River	2,072	2,072	2,072	2,072	2,072	2,072
Nitsch and Son Utility	H	Gulf Coast Aquifer System Harris County	226	181	181	181	181	181
North Belt UD	H	Gulf Coast Aquifer System Harris County	781	625	650	661	662	665
North Channel Water Authority	H	Gulf Coast Aquifer System Harris County	2,526	2,598	2,739	2,816	2,820	2,842
North Channel Water Authority	H	Livingston-Wallisville Lake/Reservoir System	8,387	8,742	9,397	9,741	9,765	9,858
North Forest MUD	H	Gulf Coast Aquifer System Harris County	201	161	161	161	161	163
North Fort Bend Water Authority	H	Direct Reuse	59	54	50	47	46	46
North Fort Bend Water Authority	H	Gulf Coast Aquifer System Harris County	826	421	423	424	439	456
North Green MUD	H	Direct Reuse	45	45	45	45	45	45
North Green MUD	H	Gulf Coast Aquifer System Harris County	536	431	434	436	438	439

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
North Harris County Regional Water Authority	H	Direct Reuse	1,177	1,177	1,177	1,177	1,177	1,177
North Harris County Regional Water Authority	H	Gulf Coast Aquifer System Harris County	52,991	25,640	26,466	26,868	27,841	28,486
North Harris County Regional Water Authority	H	Houston Lake/Reservoir	34,720	34,720	34,720	34,720	34,720	34,720
North Harris County Regional Water Authority	H	Livingston-Wallisville Lake/Reservoir System	493	493	493	493	493	493
Northeast Harris County MUD 1	H	Gulf Coast Aquifer System Harris County	26	26	26	26	26	28
Northwest Harris County MUD 16	H	Gulf Coast Aquifer System Harris County	479	385	386	387	390	393
Parkway MUD	H	Gulf Coast Aquifer System Harris County	107	109	109	109	108	108
Parkway MUD	H	Livingston-Wallisville Lake/Reservoir System	430	435	436	436	433	433
Pasadena	H	Gulf Coast Aquifer System Harris County	2,922	2,940	2,961	2,970	2,969	2,963
Pasadena	H	Livingston-Wallisville Lake/Reservoir System	32,640	32,641	32,641	32,640	32,640	32,640
Pine Village PUD	H	Gulf Coast Aquifer System Harris County	281	227	227	229	228	228
Pine Village PUD	H	Houston Lake/Reservoir	154	154	154	154	154	154
Pinewood Community	H	Gulf Coast Aquifer System Harris County	84	67	68	68	69	69
Quadvest*	H	Gulf Coast Aquifer System Harris County	31	25	26	27	27	27
Rolling Fork PUD	H	Gulf Coast Aquifer System Harris County	162	83	86	87	86	86
Rolling Fork PUD	H	Livingston-Wallisville Lake/Reservoir System	205	205	205	205	205	205
Sequoia Improvement District	H	Gulf Coast Aquifer System Harris County	138	111	111	111	110	110
South Houston	H	Direct Reuse	54	54	54	54	54	54
South Houston	H	Gulf Coast Aquifer System Harris County	366	371	373	374	375	375

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

WUG Name	Source		Existing Supply (acre-feet per year)					
	Region	Source Description	2030	2040	2050	2060	2070	2080
South Houston	H	Livingston-Wallisville Lake/Reservoir System	4,137	4,137	4,137	4,137	4,137	4,137
Southern Water	H	Gulf Coast Aquifer System Harris County	493	395	400	402	400	400
Southside Place	H	Gulf Coast Aquifer System Harris County	56	57	57	57	55	54
Southside Place	H	Livingston-Wallisville Lake/Reservoir System	223	226	226	226	222	218
Southwest Harris County MUD 1	H	Gulf Coast Aquifer System Harris County	24	24	24	24	24	24
Southwest Harris County MUD 1	H	Livingston-Wallisville Lake/Reservoir System	146	146	146	146	146	146
Spring Meadows MUD	H	Gulf Coast Aquifer System Harris County	37	45	45	45	45	45
Spring Meadows MUD	H	Livingston-Wallisville Lake/Reservoir System	147	177	179	179	179	179
Spring Valley	H	Gulf Coast Aquifer System Harris County	1,154	929	929	929	928	927
Spring Valley	H	Livingston-Wallisville Lake/Reservoir System	504	504	504	504	504	504
Suburban Utility	H	Gulf Coast Aquifer System Harris County	562	543	575	583	586	587
Sunbelt FWSD	H	Gulf Coast Aquifer System Harris County	2,666	2,141	2,149	2,157	2,151	2,151
Sunbelt FWSD	H	Livingston-Wallisville Lake/Reservoir System	861	861	861	861	861	861
The Commons Water Supply	H	Gulf Coast Aquifer System Harris County	520	416	416	416	416	416
Tomball	H	Gulf Coast Aquifer System Harris County	4,119	3,361	3,486	3,542	3,612	3,639
Trail of the Lakes MUD	H	Direct Reuse	9	9	9	9	9	9
Trail of the Lakes MUD	H	Gulf Coast Aquifer System Harris County	1,162	1,172	1,207	1,225	1,264	1,273
Waller	H	Gulf Coast Aquifer System Harris County	72	46	45	45	45	45
West Harris County MUD 6	H	Gulf Coast Aquifer System Harris County	367	294	294	294	294	295
West Harris County Regional Water Authority	H	Direct Reuse	1,469	1,469	1,469	1,469	1,469	1,469

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WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
West Harris County Regional Water Authority	H	Gulf Coast Aquifer System Harris County	22,512	6,046	5,954	5,915	6,063	6,306
West Harris County Regional Water Authority	H	Livingston-Wallisville Lake/Reservoir System	31,976	31,976	31,976	31,976	31,976	31,976
West University Place	H	Direct Reuse	9	9	9	9	9	9
West University Place	H	Gulf Coast Aquifer System Harris County	586	594	595	594	577	568
West University Place	H	Livingston-Wallisville Lake/Reservoir System	2,342	2,375	2,378	2,374	2,310	2,271
Westfield Garden Park	H	Gulf Coast Aquifer System Harris County	35	18	18	18	18	18
Windfern Forest Utility District	H	Gulf Coast Aquifer System Harris County	329	164	167	169	167	167
Woodcreek MUD	H	Gulf Coast Aquifer System Harris County	506	405	405	405	405	405
County-Other	H	Gulf Coast Aquifer System Harris County	13,121	10,070	10,655	10,965	11,122	11,226
County-Other	H	Houston Lake/Reservoir	1,220	1,220	1,220	1,220	1,220	1,220
County-Other	H	Livingston-Wallisville Lake/Reservoir System	4,706	4,706	4,706	4,706	4,706	4,706
Manufacturing	H	Direct Reuse	6,844	6,844	6,844	6,844	6,844	6,844
Manufacturing	H	Gulf Coast Aquifer System Harris County	19,808	20,840	21,979	22,557	23,156	23,777
Manufacturing	H	Houston Lake/Reservoir	34,472	34,472	34,472	34,472	34,472	34,472
Manufacturing	H	Livingston-Wallisville Lake/Reservoir System	182,382	182,382	182,382	182,382	182,382	182,382
Manufacturing	H	San Jacinto Run-of-River	344	344	344	344	344	344
Manufacturing	H	Trinity Run-of-River	26,510	26,510	26,510	26,510	26,510	26,510
Mining	H	Gulf Coast Aquifer System Harris County	300	303	306	309	312	315
Steam Electric Power	H	Gulf Coast Aquifer System Harris County	2,644	2,644	2,644	2,644	2,644	2,644
Steam Electric Power	H	Houston Lake/Reservoir	1,239	1,239	1,239	1,239	1,239	1,239
Steam Electric Power	H	Livingston-Wallisville Lake/Reservoir System	7,864	7,864	7,864	7,864	7,864	7,864
Livestock	H	Gulf Coast Aquifer System Harris County	332	166	166	166	166	166

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Irrigation	H	Gulf Coast Aquifer System Harris County	8,647	8,647	8,647	8,647	8,647	8,647
Irrigation	H	San Jacinto Run-of-River	2,112	2,112	2,112	2,112	2,112	2,112
Irrigation	H	San Jacinto-Brazos Run-of-River	388	388	388	388	388	388
Harris County / San Jacinto-Brazos Basin WUG Total			172,730	173,268	173,814	174,001	174,111	174,344
Baybrook MUD 1	H	Gulf Coast Aquifer System Harris County	34	34	34	34	34	34
Baybrook MUD 1	H	Livingston-Wallisville Lake/Reservoir System	2,016	2,016	2,016	2,016	2,016	2,016
Clear Brook City MUD	H	Gulf Coast Aquifer System Harris County	398	397	396	394	398	400
Clear Brook City MUD	H	Livingston-Wallisville Lake/Reservoir System	2,800	2,800	2,800	2,800	2,800	2,800
Clear Lake City Water Authority	H	Direct Reuse	436	436	436	436	436	436
Clear Lake City Water Authority	H	Gulf Coast Aquifer System Harris County	1,157	1,176	1,190	1,198	1,204	1,190
Clear Lake City Water Authority	H	Livingston-Wallisville Lake/Reservoir System	22,280	22,280	22,280	22,280	22,280	22,280
Deer Park	H	Gulf Coast Aquifer System Harris County	401	402	405	406	407	406
Deer Park	H	Livingston-Wallisville Lake/Reservoir System	3,599	3,615	3,640	3,651	3,666	3,651
Friendswood	H	Gulf Coast Aquifer System Harris County	325	331	330	327	331	336
Friendswood	H	Livingston-Wallisville Lake/Reservoir System	3,374	3,322	3,243	3,178	3,177	3,188
Harris County MUD 55	H	Gulf Coast Aquifer System Harris County	244	245	244	241	243	245
Harris County MUD 55	H	Livingston-Wallisville Lake/Reservoir System	3,878	3,878	3,878	3,878	3,878	3,878
Harris County WCID 156	H	Gulf Coast Aquifer System Harris County	18	18	18	18	18	18
Harris County WCID 156	H	Livingston-Wallisville Lake/Reservoir System	210	210	210	210	210	210
Harris County WCID 161	H	Gulf Coast Aquifer System Harris County	19	19	19	19	18	18
Harris County WCID 161	H	Livingston-Wallisville Lake/Reservoir System	414	414	414	414	414	414

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Harris County WCID 50	H	Gulf Coast Aquifer System Harris County	39	39	39	39	38	38
Harris County WCID 50	H	Livingston-Wallisville Lake/Reservoir System	347	346	346	346	345	344
Harris County WCID 89	H	Direct Reuse	9	9	9	9	9	9
Harris County WCID 89	H	Gulf Coast Aquifer System Harris County	158	159	159	159	157	157
Harris County WCID 89	H	Livingston-Wallisville Lake/Reservoir System	2,879	2,879	2,879	2,879	2,879	2,879
Houston	H	Gulf Coast Aquifer System Harris County	3,311	3,576	3,792	3,870	3,767	3,777
Houston	H	Livingston-Wallisville Lake/Reservoir System	11,535	11,524	11,519	11,510	11,501	11,495
Kirkmont MUD	H	Gulf Coast Aquifer System Harris County	78	80	79	78	79	79
Kirkmont MUD	H	Livingston-Wallisville Lake/Reservoir System	314	319	317	314	315	316
La Porte	H	Direct Reuse	719	719	719	719	719	719
La Porte	H	Gulf Coast Aquifer System Harris County	447	477	481	483	467	480
La Porte	H	Livingston-Wallisville Lake/Reservoir System	6,081	6,080	6,080	6,080	6,081	6,080
League City	G	BRA System Operations Permit Supply	15	15	14	14	14	14
League City	H	Direct Reuse	16	15	15	15	15	15
League City	H	Gulf Coast Aquifer System Harris County	32	32	32	32	33	34
League City	H	Livingston-Wallisville Lake/Reservoir System	483	490	483	481	481	480
Morgans Point	H	Gulf Coast Aquifer System Harris County	15	15	15	15	15	14
Morgans Point	H	Livingston-Wallisville Lake/Reservoir System	516	516	516	516	516	516
Nassau Bay	H	Gulf Coast Aquifer System Harris County	139	140	141	141	142	141
Nassau Bay	H	Livingston-Wallisville Lake/Reservoir System	2,184	2,184	2,184	2,184	2,184	2,184
Pasadena	H	Gulf Coast Aquifer System Harris County	541	546	551	552	554	553

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WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Pasadena	H	Livingston-Wallisville Lake/Reservoir System	9,015	9,014	9,014	9,015	9,015	9,015
Pearland	H	Brazos Run-of-River	714	661	644	628	621	621
Pearland	H	Gulf Coast Aquifer System Harris County	272	279	283	286	290	295
Pearland	H	Livingston-Wallisville Lake/Reservoir System	1,140	1,055	1,028	1,003	991	992
Sagemeadow UD	H	Gulf Coast Aquifer System Harris County	160	161	160	159	161	164
Sagemeadow UD	H	Livingston-Wallisville Lake/Reservoir System	875	870	872	875	874	873
Seabrook	H	Gulf Coast Aquifer System Harris County	195	197	200	201	201	200
Seabrook	H	Livingston-Wallisville Lake/Reservoir System	2,283	2,283	2,283	2,283	2,283	2,283
Shoreacres	H	Gulf Coast Aquifer System Harris County	33	33	34	34	34	34
Shoreacres	H	Livingston-Wallisville Lake/Reservoir System	364	364	364	364	364	364
Webster	H	Gulf Coast Aquifer System Harris County	284	292	294	294	295	294
Webster	H	Livingston-Wallisville Lake/Reservoir System	4,536	4,536	4,536	4,536	4,536	4,536
County-Other	H	Gulf Coast Aquifer System Harris County	144	145	145	145	148	149
Manufacturing	H	Direct Reuse	303	303	303	303	303	303
Manufacturing	H	Gulf Coast Aquifer System Harris County	6,985	7,356	7,765	7,973	8,188	8,411
Manufacturing	H	Livingston-Wallisville Lake/Reservoir System	73,943	73,943	73,943	73,943	73,943	73,943
Mining	H	Gulf Coast Aquifer System Harris County	1	1	1	1	1	1
Steam Electric Power	H	Gulf Coast Aquifer System Harris County	16	16	16	16	16	16
Livestock	H	Gulf Coast Aquifer System Harris County	6	6	6	6	6	6
Harris County / Trinity-San Jacinto Basin WUG Total			91,839	91,978	91,828	91,298	90,670	89,983
Baytown	H	Gulf Coast Aquifer System Harris County	648	909	1,004	1,032	978	934

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WUG Name	Source		Existing Supply (acre-feet per year)					
	Region	Source Description	2030	2040	2050	2060	2070	2080
Baytown	H	Livingston-Wallisville Lake/Reservoir System	4,661	4,609	4,544	4,468	4,377	4,274
Lake MUD	H	Gulf Coast Aquifer System Harris County	6	8	8	8	8	8
Lake MUD	H	Livingston-Wallisville Lake/Reservoir System	63	63	61	62	62	62
Spring Meadows MUD	H	Gulf Coast Aquifer System Harris County	33	40	40	40	40	40
Spring Meadows MUD	H	Livingston-Wallisville Lake/Reservoir System	133	159	161	161	161	161
County-Other	H	Gulf Coast Aquifer System Harris County	683	921	999	1,091	1,145	1,130
County-Other	H	Livingston-Wallisville Lake/Reservoir System	826	826	826	826	826	826
Manufacturing	H	Direct Reuse	3,172	3,172	3,172	3,172	3,172	3,172
Manufacturing	H	Gulf Coast Aquifer System Harris County	10,961	11,543	12,185	12,510	12,848	13,198
Manufacturing	H	Houston Lake/Reservoir	7,250	6,325	5,425	4,525	3,650	2,775
Manufacturing	H	Livingston-Wallisville Lake/Reservoir System	1,476	1,476	1,476	1,476	1,476	1,476
Manufacturing	H	San Jacinto Indirect Reuse	8,846	8,846	8,846	8,846	8,846	8,846
Manufacturing	H	San Jacinto Run-of-River	678	678	678	678	678	678
Manufacturing	H	Trinity Run-of-River	49,156	49,156	49,156	49,156	49,156	49,156
Livestock	H	Gulf Coast Aquifer System Harris County	33	33	33	33	33	33
Irrigation	H	Gulf Coast Aquifer System Harris County	793	793	793	793	793	793
Irrigation	H	Trinity-San Jacinto Run-of-River	2,421	2,421	2,421	2,421	2,421	2,421
Leon County WUG Total			6,401	6,303	6,219	6,158	6,093	6,037
Leon County / Brazos Basin WUG Total			1,571	1,595	1,628	1,641	1,657	1,685
Concord-Robbins WSC	H	Carrizo-Wilcox Aquifer Leon County	112	94	76	65	53	40
Concord-Robbins WSC	H	Queen City Aquifer Leon County	74	63	51	43	35	27
High Prairie WSC	H	Sparta Aquifer Madison County	5	19	27	31	35	41
Hilltop Lakes WSC	H	Carrizo-Wilcox Aquifer Leon County	200	243	297	326	359	400

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Hilltop Lakes WSC	H	Queen City Aquifer Leon County	86	104	127	140	154	171
Jewett	H	Carrizo-Wilcox Aquifer Leon County	15	11	8	6	4	3
Normangee	H	Carrizo-Wilcox Aquifer Leon County	15	11	9	6	5	4
Southeast WSC	H	Carrizo-Wilcox Aquifer Leon County	5	5	5	5	5	5
County-Other	H	Carrizo-Wilcox Aquifer Leon County	52	44	34	28	21	13
County-Other	H	Queen City Aquifer Leon County	35	29	22	19	14	9
Livestock	H	Carrizo-Wilcox Aquifer Leon County	658	658	658	658	658	658
Livestock	H	Queen City Aquifer Leon County	92	92	92	92	92	92
Livestock	H	Sparta Aquifer Leon County	90	90	90	90	90	90
Irrigation	H	Carrizo-Wilcox Aquifer Leon County	132	132	132	132	132	132
Leon County / Trinity Basin WUG Total			4,830	4,708	4,591	4,517	4,436	4,352
Buffalo	H	Carrizo-Wilcox Aquifer Leon County	342	323	303	290	275	259
Centerville	H	Carrizo-Wilcox Aquifer Leon County	158	156	153	151	148	145
Concord-Robbins WSC	H	Carrizo-Wilcox Aquifer Leon County	32	28	22	19	16	11
Concord-Robbins WSC	H	Queen City Aquifer Leon County	22	18	15	13	10	8
Flo Community WSC*	H	Carrizo-Wilcox Aquifer Leon County	367	352	340	331	322	313
Flo Community WSC*	H	Sparta Aquifer Leon County	10	10	9	9	9	9
Jewett	H	Carrizo-Wilcox Aquifer Leon County	74	52	38	27	19	14
Normangee	H	Carrizo-Wilcox Aquifer Leon County	46	34	25	19	13	10
Southeast WSC	H	Carrizo-Wilcox Aquifer Leon County	264	260	257	255	253	250
County-Other	H	Carrizo-Wilcox Aquifer Leon County	207	173	133	111	84	52

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
County-Other	H	Queen City Aquifer Leon County	24	20	16	13	10	6
County-Other	H	Sparta Aquifer Leon County	12	10	8	7	5	3
Manufacturing	H	Carrizo-Wilcox Aquifer Leon County	882	882	882	882	882	882
Manufacturing	H	Direct Reuse	58	58	58	58	58	58
Mining	H	Carrizo-Wilcox Aquifer Leon County	337	337	337	337	337	337
Livestock	H	Carrizo-Wilcox Aquifer Leon County	1,189	1,189	1,189	1,189	1,189	1,189
Livestock	H	Queen City Aquifer Leon County	425	425	425	425	425	425
Livestock	H	Sparta Aquifer Leon County	11	11	11	11	11	11
Irrigation	H	Carrizo-Wilcox Aquifer Leon County	212	212	212	212	212	212
Irrigation	H	Trinity Run-of-River	158	158	158	158	158	158
Liberty County WUG Total			71,969	75,481	79,331	83,204	86,786	90,621
Liberty County / Neches Basin WUG Total			1,047	1,063	1,082	1,102	1,127	1,156
Daisetta	H	Gulf Coast Aquifer System Liberty County	104	103	103	103	103	103
Devers		No water supply associated with WUG	0	0	0	0	0	0
Hardin WSC	H	Gulf Coast Aquifer System Liberty County	244	248	253	258	268	281
Liberty County FWSD 1 Hull	H	Gulf Coast Aquifer System Liberty County	85	85	85	85	85	85
West Hardin WSC*	I	Gulf Coast Aquifer System Hardin County	46	46	46	46	46	46
County-Other	H	Gulf Coast Aquifer System Liberty County	17	23	30	37	44	52
Manufacturing	H	Gulf Coast Aquifer System Liberty County	188	195	202	210	218	226
Livestock	H	Gulf Coast Aquifer System Liberty County	57	57	57	57	57	57
Irrigation	H	Gulf Coast Aquifer System Liberty County	145	145	145	145	145	145
Irrigation	H	Neches Run-of-River	161	161	161	161	161	161

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

WUG Name	Source		Existing Supply (acre-feet per year)					
	Region	Source Description	2030	2040	2050	2060	2070	2080
Liberty County / Neches-Trinity Basin WUG Total			29,530	29,532	29,534	29,536	29,539	29,541
County-Other	H	Gulf Coast Aquifer System Liberty County	5	7	9	11	14	16
Livestock	H	Gulf Coast Aquifer System Liberty County	21	21	21	21	21	21
Irrigation	H	Gulf Coast Aquifer System Liberty County	37	37	37	37	37	37
Irrigation	H	Livingston-Wallisville Lake/Reservoir System	5,400	5,400	5,400	5,400	5,400	5,400
Irrigation	I	Sam Rayburn-Steinhagen Lake/Reservoir System	23,000	23,000	23,000	23,000	23,000	23,000
Irrigation	H	Trinity Run-of-River	1,067	1,067	1,067	1,067	1,067	1,067
Liberty County / San Jacinto Basin WUG Total			6,177	7,402	8,779	10,012	11,123	12,307
Cleveland	H	Gulf Coast Aquifer System Liberty County	1,556	1,736	1,946	2,139	2,337	2,530
Mercy WSC	H	Gulf Coast Aquifer System Liberty County	63	63	63	63	63	67
Quadvest*	H	Gulf Coast Aquifer System Liberty County	1,132	1,132	1,132	1,132	1,132	1,132
South Cleveland WSC	H	Gulf Coast Aquifer System Liberty County	625	958	1,285	1,402	1,402	1,402
Splendora	H	Gulf Coast Aquifer System Montgomery County	128	123	97	84	77	80
T & W Water Service	H	Gulf Coast Aquifer System Liberty County	53	69	85	100	113	127
Tarkington SUD	H	Gulf Coast Aquifer System Liberty County	399	405	416	426	438	449
County-Other	H	Gulf Coast Aquifer System Liberty County	2,041	2,736	3,575	4,486	5,381	6,340
Mining	H	Gulf Coast Aquifer System Liberty County	14	14	14	14	14	14
Livestock	H	Gulf Coast Aquifer System Liberty County	84	84	84	84	84	84
Irrigation	H	Gulf Coast Aquifer System Liberty County	73	73	73	73	73	73
Irrigation	H	San Jacinto Run-of-River	9	9	9	9	9	9
Liberty County / Trinity Basin WUG Total			31,499	33,366	35,343	37,448	39,394	41,479
Ames Minglewood WSC	H	Gulf Coast Aquifer System Liberty County	142	141	141	141	149	156

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

WUG Name	Source		Existing Supply (acre-feet per year)					
	Region	Source Description	2030	2040	2050	2060	2070	2080
Dayton	H	Gulf Coast Aquifer System Liberty County	2,666	3,320	3,821	4,338	4,720	5,138
Devers	H	Gulf Coast Aquifer System Liberty County	118	117	117	117	118	118
Hardin WSC	H	Gulf Coast Aquifer System Liberty County	280	284	290	297	308	322
Lake Livingston WSC*	H	Gulf Coast Aquifer System Liberty County	65	65	65	65	65	65
Lake Livingston WSC*	H	Livingston-Wallisville Lake/Reservoir System	59	55	54	52	50	48
Liberty	H	Gulf Coast Aquifer System Liberty County	1,529	1,549	1,579	1,615	1,633	1,647
Raywood WSC	H	Gulf Coast Aquifer System Liberty County	115	114	114	117	127	140
T & W Water Service	H	Gulf Coast Aquifer System Liberty County	200	262	325	378	429	483
Tarkington SUD	H	Gulf Coast Aquifer System Liberty County	166	168	173	177	183	187
Woodcreek Water Of Liberty	H	Gulf Coast Aquifer System Liberty County	8	8	11	13	14	14
County-Other	H	Gulf Coast Aquifer System Liberty County	3,325	4,455	5,823	7,306	8,764	10,325
Manufacturing	H	Gulf Coast Aquifer System Liberty County	51	53	55	57	59	61
Mining	H	Gulf Coast Aquifer System Liberty County	94	94	94	94	94	94
Livestock	H	Gulf Coast Aquifer System Liberty County	267	267	267	267	267	267
Irrigation	H	Gulf Coast Aquifer System Liberty County	343	343	343	343	343	343
Irrigation	H	Livingston-Wallisville Lake/Reservoir System	5,601	5,601	5,601	5,601	5,601	5,601
Irrigation	H	Trinity Run-of-River	16,470	16,470	16,470	16,470	16,470	16,470
Liberty County / Trinity-San Jacinto Basin WUG Total			3,716	4,118	4,593	5,106	5,603	6,138
Dayton	H	Gulf Coast Aquifer System Liberty County	123	153	176	200	217	236
County-Other	H	Gulf Coast Aquifer System Liberty County	1,097	1,469	1,921	2,410	2,890	3,406
Livestock	H	Gulf Coast Aquifer System Liberty County	20	20	20	20	20	20

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WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Irrigation	H	Gulf Coast Aquifer System Liberty County	571	571	571	571	571	571
Irrigation	H	Trinity-San Jacinto Run-of-River	1,905	1,905	1,905	1,905	1,905	1,905
Madison County WUG Total			3,306	3,324	3,334	3,350	3,368	3,388
Madison County / Brazos Basin WUG Total			266	269	270	273	276	279
High Prairie WSC	H	Queen City Aquifer Madison County	11	10	10	10	10	10
High Prairie WSC	H	Sparta Aquifer Madison County	24	24	24	24	24	24
North Zulch MUD	H	Sparta Aquifer Madison County	91	91	91	91	91	91
County-Other	H	Sparta Aquifer Madison County	62	66	67	70	73	76
Mining		No water supply associated with WUG	0	0	0	0	0	0
Livestock	H	Sparta Aquifer Madison County	54	54	54	54	54	54
Irrigation	H	Sparta Aquifer Madison County	24	24	24	24	24	24
Madison County / Trinity Basin WUG Total			3,040	3,055	3,064	3,077	3,092	3,109
High Prairie WSC	H	Queen City Aquifer Madison County	66	66	66	65	65	65
High Prairie WSC	H	Sparta Aquifer Madison County	154	153	153	153	153	152
Madisonville	H	Sparta Aquifer Madison County	871	867	865	863	861	860
Normangee	H	Carrizo-Wilcox Aquifer Leon County	12	12	12	12	12	12
North Zulch MUD	H	Sparta Aquifer Madison County	172	170	170	170	170	170
TDCJ Ferguson Unit	H	Yegua-Jackson Aquifer Madison County	999	998	998	998	998	998
County-Other	H	Queen City Aquifer Madison County	49	52	53	55	57	60
County-Other	H	Sparta Aquifer Madison County	288	305	313	325	338	351
County-Other	H	Yegua-Jackson Aquifer Madison County	54	57	59	61	63	66

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WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Mining		No water supply associated with WUG	0	0	0	0	0	0
Livestock	H	Sparta Aquifer Madison County	130	130	130	130	130	130
Livestock	H	Yegua-Jackson Aquifer Madison County	53	53	53	53	53	53
Irrigation	H	Sparta Aquifer Madison County	23	23	23	23	23	23
Irrigation	H	Trinity Run-of-River	169	169	169	169	169	169
Montgomery County WUG Total			136,672	137,446	138,179	138,906	139,630	140,246
Montgomery County / San Jacinto Basin WUG Total			136,672	137,446	138,179	138,906	139,630	140,246
Blaketree MUD 1 of Montgomery County	H	Gulf Coast Aquifer System Montgomery County	51	79	120	119	111	104
Chateau Woods MUD	H	Gulf Coast Aquifer System Montgomery County	328	361	317	293	277	267
Conroe	H	Conroe Lake/Reservoir	5,141	5,141	5,141	5,141	5,141	5,141
Conroe	H	Gulf Coast Aquifer System Montgomery County	5,427	6,729	8,814	10,575	11,133	11,633
Conroe	H	San Jacinto Indirect Reuse	3,790	4,548	5,248	6,016	6,834	7,555
Conroe Resort Utilities	H	Gulf Coast Aquifer System Montgomery County	125	111	104	102	103	103
Corinthian Point MUD 2	H	Direct Reuse	13	13	13	13	13	13
Corinthian Point MUD 2	H	Gulf Coast Aquifer System Montgomery County	168	174	194	195	197	198
Cut & Shoot	H	Gulf Coast Aquifer System Montgomery County	415	440	389	307	258	214
Dobbin Plantersville WSC*	H	Gulf Coast Aquifer System Montgomery County	686	944	1,135	1,234	1,246	1,177
Domestic Water	H	Gulf Coast Aquifer System Montgomery County	121	101	90	89	90	86
East Montgomery County MUD 6		No water supply associated with WUG	0	0	0	0	0	0
East Plantation UD	H	Gulf Coast Aquifer System Montgomery County	220	186	229	223	208	195
Far Hills UD	H	Gulf Coast Aquifer System Montgomery County	301	349	370	379	387	389
G & W WSC*	H	Gulf Coast Aquifer System Waller County	4	5	7	8	9	10

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Grand Oaks MUD	H	Gulf Coast Aquifer System Montgomery County	116	91	69	61	56	52
Harris-Montgomery Counties MUD 386	H	Conroe Lake/Reservoir	374	387	387	389	392	416
HMW SUD	H	Gulf Coast Aquifer System Montgomery County	916	896	886	860	850	830
Houston	H	Gulf Coast Aquifer System Montgomery County	1,256	1,099	1,010	957	939	911
Johnston Water Utility	H	Gulf Coast Aquifer System Montgomery County	721	603	520	468	438	410
Keenan WSC	H	Gulf Coast Aquifer System Montgomery County	105	121	145	148	149	149
Kings Manor MUD	H	Gulf Coast Aquifer System Harris County	43	22	22	22	22	22
Kings Manor MUD	H	Gulf Coast Aquifer System Montgomery County	292	249	221	205	196	190
Lake Bonanza WSC	H	Gulf Coast Aquifer System Montgomery County	224	227	232	233	233	228
Lake Conroe Hills MUD	H	Gulf Coast Aquifer System Montgomery County	186	182	163	152	147	142
Lazy River Improvement District	H	Direct Reuse	17	17	17	17	17	17
Lazy River Improvement District	H	Gulf Coast Aquifer System Montgomery County	241	213	190	181	178	175
Magnolia	H	Gulf Coast Aquifer System Montgomery County	671	596	523	473	443	416
Montgomery	H	Gulf Coast Aquifer System Montgomery County	646	725	684	653	636	618
Montgomery County MUD 105	H	Gulf Coast Aquifer System Montgomery County	199	176	160	151	148	143
Montgomery County MUD 112	H	Gulf Coast Aquifer System Montgomery County	833	738	678	614	587	695
Montgomery County MUD 115	H	Gulf Coast Aquifer System Montgomery County	692	613	581	544	543	526
Montgomery County MUD 119	H	Gulf Coast Aquifer System Montgomery County	1,386	1,267	1,139	1,071	1,042	1,015
Montgomery County MUD 126	H	Gulf Coast Aquifer System Montgomery County	0	0	0	0	0	0
Montgomery County MUD 127	H	Gulf Coast Aquifer System Montgomery County	242	211	194	178	176	169

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Montgomery County MUD 137	H	Gulf Coast Aquifer System Montgomery County	197	171	148	133	125	117
Montgomery County MUD 139	H	Gulf Coast Aquifer System Montgomery County	667	556	479	432	404	378
Montgomery County MUD 15	H	Gulf Coast Aquifer System Montgomery County	354	301	260	239	229	221
Montgomery County MUD 18	H	Gulf Coast Aquifer System Montgomery County	2,027	2,015	1,976	1,960	1,963	1,967
Montgomery County MUD 19	H	Gulf Coast Aquifer System Montgomery County	691	585	508	462	432	407
Montgomery County MUD 24	H	Gulf Coast Aquifer System Montgomery County	158	254	281	306	329	355
Montgomery County MUD 56	H	Gulf Coast Aquifer System Montgomery County	100	87	81	75	72	68
Montgomery County MUD 8	H	Gulf Coast Aquifer System Montgomery County	1,227	1,176	1,139	1,122	1,121	1,119
Montgomery County MUD 8	H	San Jacinto Indirect Reuse	210	233	256	261	276	295
Montgomery County MUD 83	H	Gulf Coast Aquifer System Montgomery County	384	335	299	279	269	260
Montgomery County MUD 84	H	Gulf Coast Aquifer System Montgomery County	867	948	995	1,042	1,095	1,151
Montgomery County MUD 88	H	Gulf Coast Aquifer System Montgomery County	640	535	463	418	403	391
Montgomery County MUD 89	H	Gulf Coast Aquifer System Montgomery County	906	774	688	641	622	604
Montgomery County MUD 9	H	Gulf Coast Aquifer System Montgomery County	1,703	1,473	1,312	1,213	1,154	1,101
Montgomery County MUD 9	H	San Jacinto Indirect Reuse	209	232	255	261	275	294
Montgomery County MUD 94	H	Gulf Coast Aquifer System Montgomery County	770	693	618	578	559	541
Montgomery County MUD 95	H	Gulf Coast Aquifer System Montgomery County	2,261	2,262	2,234	2,204	2,192	2,178
Montgomery County MUD 98	H	Gulf Coast Aquifer System Montgomery County	265	265	265	265	265	265
Montgomery County MUD 99	H	Conroe Lake/Reservoir	473	473	473	473	473	473
Montgomery County MUD 99	H	Gulf Coast Aquifer System Montgomery County	0	0	0	0	0	0
Montgomery County UD 2	H	Gulf Coast Aquifer System Montgomery County	391	326	281	254	237	222

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Montgomery County UD 3	H	Gulf Coast Aquifer System Montgomery County	849	849	849	849	849	849
Montgomery County UD 4	H	Gulf Coast Aquifer System Montgomery County	1,269	1,125	1,031	979	956	935
Montgomery County WCID 1	H	Gulf Coast Aquifer System Montgomery County	442	410	363	329	314	300
MSEC Enterprises*	H	Conroe Lake/Reservoir	821	821	821	821	821	821
MSEC Enterprises*	H	Gulf Coast Aquifer System Montgomery County	3,251	3,675	3,819	3,770	3,532	3,338
New Caney MUD	H	Gulf Coast Aquifer System Montgomery County	1,772	1,828	1,791	1,786	1,805	1,753
North Harris County Regional Water Authority	H	Gulf Coast Aquifer System Montgomery County	7	6	6	6	5	5
Oak Ridge North	H	Conroe Lake/Reservoir	184	184	184	184	184	184
Oak Ridge North	H	Gulf Coast Aquifer System Montgomery County	356	377	353	369	342	320
Panorama Village	H	Direct Reuse	43	43	43	43	43	43
Panorama Village	H	Gulf Coast Aquifer System Montgomery County	618	615	608	605	608	610
Patton Village	H	Gulf Coast Aquifer System Montgomery County	66	64	68	79	76	73
Pinehurst Decker Prairie WSC	H	Gulf Coast Aquifer System Montgomery County	143	149	153	165	167	164
Point Aquarius MUD	H	Gulf Coast Aquifer System Montgomery County	552	644	699	726	733	740
Porter SUD	H	Gulf Coast Aquifer System Montgomery County	2,249	1,876	1,444	1,130	901	672
Quadvest*	H	Gulf Coast Aquifer System Montgomery County	4,988	5,217	5,199	5,054	4,936	4,897
Ranch Crest Water	H	Gulf Coast Aquifer System Montgomery County	186	182	161	145	138	132
Rayford Road MUD	H	Conroe Lake/Reservoir	565	565	565	565	565	565
Rayford Road MUD	H	Gulf Coast Aquifer System Montgomery County	1,140	982	879	812	791	773
River Plantation MUD	H	Direct Reuse	282	282	282	282	282	282
River Plantation MUD	H	Gulf Coast Aquifer System Montgomery County	333	417	452	556	509	478
Roman Forest Consolidated MUD	H	Gulf Coast Aquifer System Montgomery County	214	242	265	309	319	300

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WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Shenandoah	H	Gulf Coast Aquifer System Montgomery County	2,167	2,169	1,939	1,808	1,707	1,610
Southern Montgomery County MUD	H	Conroe Lake/Reservoir	579	579	579	579	579	579
Southern Montgomery County MUD	H	Direct Reuse	179	179	179	179	179	179
Southern Montgomery County MUD	H	Gulf Coast Aquifer System Montgomery County	467	430	376	342	341	334
Splendora	H	Gulf Coast Aquifer System Montgomery County	775	727	636	577	541	499
Spring Creek UD	H	Gulf Coast Aquifer System Montgomery County	1,173	1,004	896	833	803	773
Stanley Lake MUD	H	Gulf Coast Aquifer System Montgomery County	817	793	776	769	767	770
T & W Water Service	H	Gulf Coast Aquifer System Montgomery County	1,684	1,581	1,590	1,585	1,610	1,562
The Woodlands	H	Conroe Lake/Reservoir	8,820	8,807	8,807	8,805	8,802	8,778
The Woodlands	H	Gulf Coast Aquifer System Montgomery County	13,614	12,268	10,999	10,076	10,014	10,918
The Woodlands	H	San Jacinto Indirect Reuse	750	750	750	750	750	750
The Woodlands	H	San Jacinto Run-of-River	116	116	116	116	116	116
Valley Ranch MUD 1	H	Gulf Coast Aquifer System Montgomery County	322	443	517	562	604	649
Westwood North WSC	H	Gulf Coast Aquifer System Montgomery County	574	504	495	453	423	467
White Oak WSC	H	Gulf Coast Aquifer System Montgomery County	153	153	145	151	150	153
Willis	H	Gulf Coast Aquifer System Montgomery County	1,596	1,596	1,596	1,596	1,596	1,596
Wood Branch Village	H	Gulf Coast Aquifer System Montgomery County	177	188	206	248	239	230
Wood Trace MUD 1	H	Direct Reuse	10	10	10	10	10	10
Wood Trace MUD 1	H	Gulf Coast Aquifer System Montgomery County	194	170	148	141	141	136
Woodland Oaks Utility	H	Gulf Coast Aquifer System Montgomery County	345	323	305	292	286	277
Woodridge MUD	H	Gulf Coast Aquifer System Montgomery County	154	210	241	268	294	322

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
County-Other	H	Direct Reuse	9	9	9	9	9	9
County-Other	H	Gulf Coast Aquifer System Montgomery County	25,069	27,668	29,783	30,994	31,903	31,769
Manufacturing	H	Gulf Coast Aquifer System Montgomery County	1,196	999	861	777	726	680
Mining	H	Gulf Coast Aquifer System Montgomery County	31	29	29	29	32	34
Steam Electric Power	H	Conroe Lake/Reservoir	7,841	7,841	7,841	7,841	7,841	7,841
Steam Electric Power	H	Gulf Coast Aquifer System Montgomery County	1,127	941	811	731	684	641
Steam Electric Power	H	Lewis Creek Lake/Reservoir	0	0	0	0	0	0
Livestock	H	Gulf Coast Aquifer System Montgomery County	478	399	344	310	290	272
Irrigation	H	Conroe Lake/Reservoir	737	737	737	737	737	737
Irrigation	H	Gulf Coast Aquifer System Montgomery County	4,713	3,937	3,395	3,060	2,861	2,680
Irrigation	H	San Jacinto Run-of-River	25	25	25	25	25	25
Polk County WUG Total			10,688	10,987	11,139	11,308	11,492	11,693
Polk County / Trinity Basin WUG Total			10,688	10,987	11,139	11,308	11,492	11,693
Lake Livingston WSC*	H	Gulf Coast Aquifer System Polk County	664	721	749	780	814	851
Lake Livingston WSC*	H	Livingston-Wallisville Lake/Reservoir System	603	615	619	623	627	630
Leggett WSC*	H	Gulf Coast Aquifer System Polk County	267	288	298	310	323	337
Livingston	H	Livingston-Wallisville Lake/Reservoir System	5,600	5,600	5,600	5,600	5,600	5,600
Memorial Point UD	H	Gulf Coast Aquifer System Polk County	143	155	162	168	175	184
Memorial Point UD	H	Livingston-Wallisville Lake/Reservoir System	10	10	10	10	10	10
Moscow WSC*	I	Gulf Coast Aquifer System Polk County	30	32	33	35	36	38
Onalaska WSC	H	Gulf Coast Aquifer System Polk County	359	388	403	420	438	458
Providence WSC	H	Gulf Coast Aquifer System Polk County	379	409	425	442	462	483

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Soda WSC*	H	Gulf Coast Aquifer System Polk County	209	226	234	244	255	266
Tempe WSC 1	H	Gulf Coast Aquifer System Polk County	219	236	245	255	266	278
County-Other*	H	Gulf Coast Aquifer System Polk County	1,611	1,713	1,767	1,827	1,892	1,964
County-Other*	H	Livingston-Wallisville Lake/Reservoir System	20	20	20	20	20	20
Manufacturing*	H	Gulf Coast Aquifer System Polk County	8	8	8	8	8	8
Manufacturing*	I	Gulf Coast Aquifer System Polk County	8	8	8	8	8	8
Mining*	H	Livingston-Wallisville Lake/Reservoir System	32	32	32	32	32	32
Livestock*	H	Gulf Coast Aquifer System Polk County	194	194	194	194	194	194
Irrigation*	H	Gulf Coast Aquifer System Polk County	332	332	332	332	332	332
San Jacinto County WUG Total			4,727	4,676	4,583	4,492	4,391	4,280
San Jacinto County / San Jacinto Basin WUG Total			1,592	1,575	1,541	1,508	1,472	1,431
Dodge Oakhurst WSC	H	Gulf Coast Aquifer System San Jacinto County	8	8	8	7	7	7
Mercy WSC	H	Gulf Coast Aquifer System San Jacinto County	377	372	362	352	342	330
One Five O WSC	H	Gulf Coast Aquifer System San Jacinto County	238	235	229	223	216	208
P B & S C WSC	H	Gulf Coast Aquifer System San Jacinto County	26	25	25	24	23	22
San Jacinto SUD	H	Gulf Coast Aquifer System San Jacinto County	71	70	68	66	64	62
San Jacinto SUD	H	Livingston-Wallisville Lake/Reservoir System	72	72	71	72	72	71
County-Other	H	Gulf Coast Aquifer System San Jacinto County	545	538	523	509	493	476
Manufacturing	H	Gulf Coast Aquifer System San Jacinto County	9	9	9	9	9	9
Mining	H	Gulf Coast Aquifer System San Jacinto County	1	1	1	1	1	1
Livestock	H	Gulf Coast Aquifer System San Jacinto County	170	170	170	170	170	170

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Irrigation	H	Gulf Coast Aquifer System San Jacinto County	75	75	75	75	75	75
San Jacinto County / Trinity Basin WUG Total			3,135	3,101	3,042	2,984	2,919	2,849
Cape Royale UD	H	Gulf Coast Aquifer System San Jacinto County	171	169	165	160	155	150
Dodge Oakhurst WSC	H	Gulf Coast Aquifer System San Jacinto County	65	64	62	61	59	57
Lake Livingston WSC*	H	Gulf Coast Aquifer System San Jacinto County	157	155	151	147	142	138
Lake Livingston WSC*	H	Livingston-Wallisville Lake/Reservoir System	221	211	203	196	188	181
P B & S C WSC	H	Gulf Coast Aquifer System San Jacinto County	219	217	210	205	199	192
Riverside SUD	H	Gulf Coast Aquifer System Walker County	19	19	19	18	18	18
Riverside SUD	H	Livingston-Wallisville Lake/Reservoir System	8	7	7	6	5	5
Riverside SUD	H	Yegua-Jackson Aquifer Walker County	19	19	19	19	19	18
San Jacinto SUD	H	Gulf Coast Aquifer System San Jacinto County	201	199	194	189	183	177
San Jacinto SUD	H	Livingston-Wallisville Lake/Reservoir System	208	208	209	208	208	209
Shepherd	H	Gulf Coast Aquifer System San Jacinto County	319	315	307	299	290	280
Waterwood MUD 1	H	Gulf Coast Aquifer System San Jacinto County	111	110	107	104	101	97
Waterwood MUD 1	H	Livingston-Wallisville Lake/Reservoir System	336	336	336	336	336	336
County-Other	H	Gulf Coast Aquifer System San Jacinto County	683	674	655	638	618	593
Mining	H	Gulf Coast Aquifer System San Jacinto County	30	30	30	30	30	30
Livestock	H	Gulf Coast Aquifer System San Jacinto County	175	175	175	175	175	175
Irrigation	H	Gulf Coast Aquifer System San Jacinto County	73	73	73	73	73	73
Irrigation	H	Livingston-Wallisville Lake/Reservoir System	120	120	120	120	120	120

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Trinity County WUG Total			3,314	3,291	3,272	3,258	3,242	3,226
Trinity County / Trinity Basin WUG Total			3,314	3,291	3,272	3,258	3,242	3,226
Glendale WSC	H	Livingston-Wallisville Lake/Reservoir System	75	75	75	75	75	75
Glendale WSC	H	Yegua-Jackson Aquifer Trinity County	73	68	64	61	58	54
Groveton*	H	Livingston-Wallisville Lake/Reservoir System	343	342	343	342	341	342
Groveton*	H	Yegua-Jackson Aquifer Trinity County	33	28	25	24	21	18
Pennington WSC*	I	Yegua-Jackson Aquifer Houston County	54	50	46	45	42	40
Pennington WSC*	I	Yegua-Jackson Aquifer Trinity County	52	49	46	43	42	39
Trinity	H	Livingston-Wallisville Lake/Reservoir System	1,196	1,196	1,196	1,196	1,196	1,196
Trinity Rural WSC	H	Livingston-Wallisville Lake/Reservoir System	371	373	374	374	374	374
Westwood Shores MUD	H	Livingston-Wallisville Lake/Reservoir System	495	495	495	495	495	495
County-Other*	H	Gulf Coast Aquifer System Trinity County	74	69	65	61	58	55
County-Other*	H	Livingston-Wallisville Lake/Reservoir System	20	20	20	20	20	20
County-Other*	H	Yegua-Jackson Aquifer Trinity County	41	39	36	35	33	31
Mining*	H	Yegua-Jackson Aquifer Trinity County	9	9	9	9	9	9
Livestock*	H	Yegua-Jackson Aquifer Trinity County	169	169	169	169	169	169
Irrigation*	H	Trinity Run-of-River	34	34	34	34	34	34
Irrigation*	H	Yegua-Jackson Aquifer Trinity County	275	275	275	275	275	275
Walker County WUG Total			34,525	35,438	37,205	39,174	40,384	40,858
Walker County / San Jacinto Basin WUG Total			25,018	25,731	27,109	28,712	29,722	30,110
Dodge Oakhurst WSC	H	Gulf Coast Aquifer System Walker County	120	145	172	196	209	209
Huntsville	H	Gulf Coast Aquifer System Walker County	4,632	5,263	6,521	8,045	8,974	9,285

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Huntsville	H	Livingston-Wallisville Lake/Reservoir System	16,103	16,102	16,102	16,101	16,102	16,101
New Waverly	H	Gulf Coast Aquifer System Walker County	141	125	111	96	83	72
One Five O WSC	H	Gulf Coast Aquifer System San Jacinto County	6	7	9	11	14	16
Phelps SUD	H	Gulf Coast Aquifer System Walker County	134	136	142	145	149	154
Quadvest*	H	Gulf Coast Aquifer System Walker County	129	167	231	319	412	511
Walker County SUD	H	Gulf Coast Aquifer System Walker County	173	185	206	228	253	281
Walker County SUD	H	Yegua-Jackson Aquifer Walker County	263	280	312	347	385	426
County-Other	H	Gulf Coast Aquifer System Walker County	989	951	901	792	685	579
County-Other	H	Livingston-Wallisville Lake/Reservoir System	1,603	1,640	1,666	1,691	1,709	1,723
Manufacturing	H	Gulf Coast Aquifer System Walker County	141	146	152	157	163	169
Livestock	H	Gulf Coast Aquifer System Walker County	345	345	345	345	345	345
Irrigation	H	Gulf Coast Aquifer System Walker County	239	239	239	239	239	239
Walker County / Trinity Basin WUG Total			9,507	9,707	10,096	10,462	10,662	10,748
Dodge Oakhurst WSC	H	Gulf Coast Aquifer System Walker County	158	191	226	258	275	275
Huntsville	H	Gulf Coast Aquifer System Walker County	887	1,008	1,249	1,540	1,718	1,778
Huntsville	H	Livingston-Wallisville Lake/Reservoir System	3,297	3,298	3,298	3,299	3,298	3,299
Lake Livingston WSC*	H	Gulf Coast Aquifer System Walker County	13	14	16	17	19	21
Lake Livingston WSC*	H	Livingston-Wallisville Lake/Reservoir System	23	25	30	35	41	47
Phelps SUD	H	Gulf Coast Aquifer System Walker County	59	60	62	63	65	67
Riverside SUD	H	Gulf Coast Aquifer System Walker County	191	204	225	249	275	304
Riverside SUD	H	Livingston-Wallisville Lake/Reservoir System	77	78	78	79	80	80

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Riverside SUD	H	Yegua-Jackson Aquifer Walker County	194	207	229	252	279	309
Trinity Rural WSC	H	Livingston-Wallisville Lake/Reservoir System	4	2	1	1	1	1
Trinity Rural WSC	H	Yegua-Jackson Aquifer Walker County	4	2	1	1	1	1
Walker County SUD	H	Gulf Coast Aquifer System Walker County	290	310	343	380	420	463
Walker County SUD	H	Yegua-Jackson Aquifer Walker County	441	471	522	577	637	704
County-Other	H	Gulf Coast Aquifer System Walker County	914	914	914	847	734	619
County-Other	H	Livingston-Wallisville Lake/Reservoir System	1,397	1,360	1,334	1,309	1,291	1,277
County-Other	H	Yegua-Jackson Aquifer Walker County	255	255	255	236	204	173
Manufacturing	H	Gulf Coast Aquifer System Walker County	49	50	52	54	56	58
Manufacturing	H	Trinity Run-of-River	337	337	337	337	337	337
Manufacturing	H	Yegua-Jackson Aquifer Walker County	87	91	94	98	101	105
Mining	H	Gulf Coast Aquifer System Walker County	73	73	73	73	73	73
Livestock	H	Gulf Coast Aquifer System Walker County	218	218	218	218	218	218
Livestock	H	Queen City Aquifer Walker County	109	109	109	109	109	109
Livestock	H	Yegua-Jackson Aquifer Walker County	109	109	109	109	109	109
Irrigation	H	Gulf Coast Aquifer System Walker County	40	40	40	40	40	40
Irrigation	H	Trinity Run-of-River	122	122	122	122	122	122
Irrigation	H	Yegua-Jackson Aquifer Walker County	159	159	159	159	159	159
Waller County WUG Total			33,191	34,898	35,865	36,684	37,427	37,882
Waller County / Brazos Basin WUG Total			13,508	13,733	13,835	13,959	14,166	14,339
Brookshire MWD	H	Gulf Coast Aquifer System Walker County	823	854	856	867	941	1,013
G & W WSC*	H	Gulf Coast Aquifer System Walker County	164	166	169	171	173	176

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Hempstead	H	Gulf Coast Aquifer System Waller County	1,258	1,289	1,290	1,296	1,306	1,306
Pattison WSC	H	Gulf Coast Aquifer System Waller County	225	226	238	244	250	256
Prairie View	H	Gulf Coast Aquifer System Waller County	599	730	791	863	950	1,013
Prairie View A&M University	H	Gulf Coast Aquifer System Waller County	710	721	726	732	739	748
Quadvest*	H	Gulf Coast Aquifer System Waller County	0	0	0	0	1	1
County-Other	H	Gulf Coast Aquifer System Waller County	1,268	1,268	1,268	1,268	1,268	1,268
Manufacturing	H	Gulf Coast Aquifer System Waller County	5	5	5	5	6	6
Mining	H	Gulf Coast Aquifer System Waller County	109	127	145	166	188	211
Livestock	H	Brazos River Alluvium Aquifer Waller County	111	111	111	111	111	111
Livestock	H	Gulf Coast Aquifer System Waller County	672	672	672	672	672	672
Irrigation	G	BRA System Operations Permit Supply	90	90	90	90	87	84
Irrigation	H	Brazos River Alluvium Aquifer Waller County	757	757	757	757	757	757
Irrigation	G	Brazos River Authority Main Stem Lake/Reservoir System	50	50	50	50	50	50
Irrigation	H	Brazos Run-of-River	43	43	43	43	43	43
Irrigation	H	Gulf Coast Aquifer System Waller County	6,624	6,624	6,624	6,624	6,624	6,624
Waller County / San Jacinto Basin WUG Total			19,683	21,165	22,030	22,725	23,261	23,543
G & W WSC*	H	Gulf Coast Aquifer System Waller County	571	581	590	599	605	615
Katy	H	Gulf Coast Aquifer System Waller County	1,117	2,467	3,089	3,625	4,021	4,212
North Fort Bend Water Authority	H	Direct Reuse	0	1	2	2	2	2
Oak Hollow Utility	H	Gulf Coast Aquifer System Waller County	193	192	192	194	196	196
Prairie View	H	Gulf Coast Aquifer System Waller County	289	353	381	417	458	489

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

WUG Name	Source	Source Description	Existing Supply (acre-feet per year)					
	Region		2030	2040	2050	2060	2070	2080
Prairie View A&M University	H	Gulf Coast Aquifer System Waller County	1	2	2	2	2	2
Quadvest*	H	Gulf Coast Aquifer System Waller County	28	28	28	28	65	93
Waller	H	Gulf Coast Aquifer System Waller County	394	408	445	460	482	497
Willow Creek Farms MUD	H	Gulf Coast Aquifer System Waller County	893	930	1,092	1,183	1,209	1,209
County-Other	H	Gulf Coast Aquifer System Waller County	1,073	1,073	1,073	1,073	1,073	1,073
Manufacturing	H	Direct Reuse	16	16	16	16	16	16
Manufacturing	H	Gulf Coast Aquifer System Waller County	153	159	165	171	177	184
Livestock	H	Gulf Coast Aquifer System Waller County	403	403	403	403	403	403
Irrigation	H	Gulf Coast Aquifer System Waller County	14,552	14,552	14,552	14,552	14,552	14,552
Region H WUG Existing Water Supply Total			2,675,262	2,610,791	2,637,155	2,655,186	2,667,466	2,679,004

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APPENDIX TM-D2
2026 RWP WUG NEEDS/SURPLUS

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DRAFT Region H 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
Austin County WSC	Austin	Brazos	0	0	0	0	0	0
Bellville	Austin	Brazos	0	0	0	0	0	0
Sealy	Austin	Brazos	0	0	1	1	1	1
West End WSC*	Austin	Brazos	0	0	0	0	0	0
County-Other	Austin	Brazos	0	0	0	0	0	0
Manufacturing	Austin	Brazos	0	0	0	0	0	0
Mining	Austin	Brazos	(38)	(46)	(56)	(67)	(78)	(91)
Steam Electric Power	Austin	Brazos	(888)	(888)	(888)	(888)	(888)	(888)
Livestock	Austin	Brazos	0	0	0	0	0	0
Irrigation	Austin	Brazos	0	0	0	0	0	0
Austin County WSC	Austin	Brazos-Colorado	0	0	0	0	0	0
Sealy	Austin	Brazos-Colorado	0	0	0	0	0	0
Wallis	Austin	Brazos-Colorado	0	0	0	0	0	0
County-Other	Austin	Brazos-Colorado	0	0	0	0	0	0
Livestock	Austin	Brazos-Colorado	0	0	0	0	0	0
Irrigation	Austin	Brazos-Colorado	0	0	0	0	0	0
West End WSC*	Austin	Colorado	0	0	0	0	0	0
County-Other	Austin	Colorado	0	0	0	0	0	0
Livestock	Austin	Colorado	0	0	0	0	0	0
Brazoria	Brazoria	Brazos	50	51	51	52	52	53
Brazoria County FWSD 1	Brazoria	Brazos	(36)	(42)	(43)	(44)	(45)	(45)
Freeport	Brazoria	Brazos	48	52	54	57	60	65
Lake Jackson	Brazoria	Brazos	(6)	(8)	(9)	(9)	(9)	(9)
Varner Creek UD	Brazoria	Brazos	(137)	(142)	(144)	(147)	(149)	(146)
West Columbia	Brazoria	Brazos	(125)	(129)	(132)	(134)	(135)	(131)
County-Other	Brazoria	Brazos	(372)	(415)	(466)	(495)	(526)	(547)
Manufacturing	Brazoria	Brazos	8,697	1,944	(5,041)	(12,699)	(20,850)	(28,383)

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

WUG Name	County	Basin	Water Supply Needs or Surplus (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Livestock	Brazoria	Brazos	(135)	(140)	(145)	(149)	(152)	(152)
Irrigation	Brazoria	Brazos	(870)	(905)	(938)	(961)	(982)	(985)
Brazoria	Brazoria	Brazos-Colorado	345	348	348	355	362	373
Brazoria County FWSD 1	Brazoria	Brazos-Colorado	(8)	(10)	(10)	(10)	(11)	(11)
Freeport	Brazoria	Brazos-Colorado	1	1	1	1	1	1
Sweeny	Brazoria	Brazos-Colorado	(29)	(46)	(65)	(76)	(85)	(82)
West Columbia	Brazoria	Brazos-Colorado	(71)	(73)	(75)	(76)	(76)	(74)
County-Other	Brazoria	Brazos-Colorado	(151)	(260)	(451)	(631)	(820)	(938)
Manufacturing	Brazoria	Brazos-Colorado	(23,039)	(24,466)	(25,948)	(27,454)	(29,012)	(30,578)
Livestock	Brazoria	Brazos-Colorado	(21)	(33)	(47)	(55)	(63)	(62)
Irrigation	Brazoria	Brazos-Colorado	(299)	(482)	(678)	(797)	(913)	(908)
Alvin	Brazoria	San Jacinto-Brazos	(153)	(288)	(462)	(512)	(498)	(519)
Angleton	Brazoria	San Jacinto-Brazos	1,032	1,024	1,042	1,080	1,124	1,187
Brazoria County MUD 2	Brazoria	San Jacinto-Brazos	(278)	(443)	(496)	(554)	(580)	(593)
Brazoria County MUD 21	Brazoria	San Jacinto-Brazos	(158)	(220)	(233)	(248)	(280)	(294)
Brazoria County MUD 22	Brazoria	San Jacinto-Brazos	0	0	0	0	0	0
Brazoria County MUD 25	Brazoria	San Jacinto-Brazos	(31)	(47)	(52)	(57)	(59)	(60)
Brazoria County MUD 29	Brazoria	San Jacinto-Brazos	(119)	(139)	(146)	(151)	(159)	(164)
Brazoria County MUD 3	Brazoria	San Jacinto-Brazos	9	9	9	9	9	9
Brazoria County MUD 31	Brazoria	San Jacinto-Brazos	(64)	(96)	(105)	(113)	(115)	(115)
Brazoria County MUD 39	Brazoria	San Jacinto-Brazos	(678)	(739)	(739)	(788)	(819)	(830)
Brazoria County MUD 55	Brazoria	San Jacinto-Brazos	(396)	(395)	(390)	(386)	(381)	(370)

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

WUG Name	County	Basin	Water Supply Needs or Surplus (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Brazoria County MUD 6	Brazoria	San Jacinto-Brazos	0	0	0	0	0	0
Clute	Brazoria	San Jacinto-Brazos	1,086	1,074	1,071	1,073	1,078	1,085
Danbury	Brazoria	San Jacinto-Brazos	(12)	(19)	(21)	(22)	(22)	(22)
Fort Bend County FWSD 1	Brazoria	San Jacinto-Brazos	(3)	(3)	(3)	(5)	(5)	(5)
Freeport	Brazoria	San Jacinto-Brazos	463	499	511	541	574	619
Hillcrest Village	Brazoria	San Jacinto-Brazos	(8)	(12)	(13)	(14)	(14)	(13)
Lake Jackson	Brazoria	San Jacinto-Brazos	(210)	(302)	(326)	(337)	(330)	(313)
Manvel	Brazoria	San Jacinto-Brazos	(63)	(527)	(977)	(1,169)	(1,371)	(1,543)
Oyster Creek	Brazoria	San Jacinto-Brazos	(6)	(9)	(9)	(9)	(8)	(6)
Pearland	Brazoria	San Jacinto-Brazos	14,207	13,614	13,451	13,321	13,245	13,185
Quadvest*	Brazoria	San Jacinto-Brazos	(27)	(32)	(32)	(34)	(35)	(34)
Richwood	Brazoria	San Jacinto-Brazos	(20)	(25)	(27)	(26)	(25)	(22)
Sedona Lakes MUD 1	Brazoria	San Jacinto-Brazos	(21)	(33)	(40)	(45)	(46)	(48)
Surfside Beach	Brazoria	San Jacinto-Brazos	210	206	208	213	218	225
TDCJ Darrington Unit	Brazoria	San Jacinto-Brazos	(60)	(91)	(98)	(105)	(107)	(107)
TDCJ Ramsey Area	Brazoria	San Jacinto-Brazos	(132)	(200)	(219)	(236)	(242)	(246)
County-Other	Brazoria	San Jacinto-Brazos	(2,986)	(4,154)	(5,266)	(5,837)	(6,402)	(6,952)
Manufacturing	Brazoria	San Jacinto-Brazos	16,937	15,820	14,685	13,511	12,232	10,966
Mining	Brazoria	San Jacinto-Brazos	(332)	(396)	(459)	(526)	(598)	(675)
Livestock	Brazoria	San Jacinto-Brazos	(69)	(105)	(115)	(124)	(127)	(129)
Irrigation	Brazoria	San Jacinto-Brazos	(56,442)	(56,756)	(56,848)	(56,926)	(56,954)	(56,972)

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DRAFT Region H 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
Anahuac	Chambers	Neches-Trinity	861	863	864	865	854	851
Trinity Bay Conservation District*	Chambers	Neches-Trinity	310	203	100	32	(57)	(167)
County-Other	Chambers	Neches-Trinity	0	0	0	0	0	0
Manufacturing	Chambers	Neches-Trinity	(2,260)	(2,344)	(2,430)	(2,520)	(2,613)	(2,710)
Livestock	Chambers	Neches-Trinity	0	0	0	0	0	0
Irrigation	Chambers	Neches-Trinity	29,661	29,661	29,661	29,661	29,661	29,661
Anahuac	Chambers	Trinity	17	16	15	14	13	14
Baytown	Chambers	Trinity	(18)	(46)	(68)	(90)	(108)	(128)
C C Water Works	Chambers	Trinity	(76)	(182)	(314)	(442)	(580)	(738)
Mont Belvieu	Chambers	Trinity	(773)	(1,591)	(1,769)	(2,708)	(3,736)	(4,929)
Trinity Bay Conservation District*	Chambers	Trinity	70	45	23	7	(13)	(37)
County-Other	Chambers	Trinity	0	0	0	(352)	(1,250)	(2,276)
Manufacturing	Chambers	Trinity	(10,021)	(10,447)	(10,888)	(11,345)	(11,819)	(12,311)
Livestock	Chambers	Trinity	0	0	0	0	0	0
Irrigation	Chambers	Trinity	(9,395)	(9,395)	(9,395)	(9,395)	(9,395)	(9,395)
Baytown	Chambers	Trinity-San Jacinto	(98)	(245)	(364)	(478)	(574)	(683)
C C Water Works	Chambers	Trinity-San Jacinto	(11)	(26)	(45)	(63)	(83)	(105)
Chambers County MUD 1	Chambers	Trinity-San Jacinto	0	0	0	0	0	0
Mont Belvieu	Chambers	Trinity-San Jacinto	(220)	(452)	(503)	(770)	(1,062)	(1,401)
County-Other	Chambers	Trinity-San Jacinto	172	(484)	(1,445)	(2,383)	(3,392)	(4,544)
Manufacturing	Chambers	Trinity-San Jacinto	22,587	21,767	20,915	20,032	19,116	18,167
Mining	Chambers	Trinity-San Jacinto	0	0	0	0	0	0
Steam Electric Power	Chambers	Trinity-San Jacinto	4,115	4,115	4,115	4,115	4,115	4,115
Livestock	Chambers	Trinity-San Jacinto	0	0	0	0	0	0

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

WUG Name	County	Basin	Water Supply Needs or Surplus (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Irrigation	Chambers	Trinity-San Jacinto	(3,177)	(3,177)	(3,177)	(3,177)	(3,177)	(3,177)
First Colony MUD 9	Fort Bend	Brazos	(3)	(8)	(21)	(43)	(63)	(79)
Fort Bend County FWSD 2	Fort Bend	Brazos	3	2	0	(1)	(3)	(4)
Fort Bend County MUD 115	Fort Bend	Brazos	0	(4)	(45)	(53)	(70)	(80)
Fort Bend County MUD 116	Fort Bend	Brazos	0	(92)	(92)	(104)	(112)	(125)
Fort Bend County MUD 121	Fort Bend	Brazos	0	2	2	2	2	2
Fort Bend County MUD 128	Fort Bend	Brazos	(173)	(207)	(224)	(224)	(270)	(330)
Fort Bend County MUD 129	Fort Bend	Brazos	0	(16)	(24)	(35)	(51)	(86)
Fort Bend County MUD 140	Fort Bend	Brazos	282	284	282	282	250	225
Fort Bend County MUD 149	Fort Bend	Brazos	0	(1)	(28)	(31)	(34)	(52)
Fort Bend County MUD 152	Fort Bend	Brazos	0	1	(1)	(21)	(40)	(41)
Fort Bend County MUD 155	Fort Bend	Brazos	0	(81)	(180)	(258)	(326)	(365)
Fort Bend County MUD 158	Fort Bend	Brazos	0	(33)	(78)	(113)	(144)	(162)
Fort Bend County MUD 162	Fort Bend	Brazos	0	1	(12)	(28)	(76)	(97)
Fort Bend County MUD 25	Fort Bend	Brazos	(236)	(232)	(237)	(239)	(241)	(246)
Fort Bend County MUD 46	Fort Bend	Brazos	117	82	55	41	41	40
Fort Bend County MUD 49	Fort Bend	Brazos	(13)	(14)	(14)	(14)	(14)	(14)
Fort Bend County MUD 5	Fort Bend	Brazos	0	(27)	(55)	(68)	(71)	(73)
Fort Bend County MUD 81	Fort Bend	Brazos	0	0	0	0	0	0
Fort Bend County WCID 3	Fort Bend	Brazos	0	0	0	0	(18)	(29)
Fulshear	Fort Bend	Brazos	(81)	(314)	(320)	(348)	(370)	(387)
Needville	Fort Bend	Brazos	(9)	(20)	0	(4)	(5)	(5)
North Fort Bend Water Authority	Fort Bend	Brazos	(3,292)	(3,266)	(3,387)	(3,398)	(3,313)	(3,128)

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

WUG Name	County	Basin	Water Supply Needs or Surplus (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Pecan Grove MUD 1	Fort Bend	Brazos	4,412	4,276	4,191	4,158	4,131	4,107
Plantation MUD	Fort Bend	Brazos	6	0	(13)	(16)	(19)	(26)
Quadvest*	Fort Bend	Brazos	7	(192)	(405)	(595)	(742)	(831)
Richmond	Fort Bend	Brazos	(9)	(142)	(236)	(255)	(315)	(408)
Rosenberg	Fort Bend	Brazos	1,301	1,884	3,202	4,265	4,895	4,581
Royal Valley Utilities	Fort Bend	Brazos	0	(57)	(83)	(168)	(185)	(220)
Sienna Plantation	Fort Bend	Brazos	462	341	196	126	56	(22)
Sugar Land	Fort Bend	Brazos	(3,325)	(3,802)	(4,066)	(4,313)	(4,570)	(4,884)
TDCJ Jester Units	Fort Bend	Brazos	1	1	1	1	1	1
Thunderbird UD	Fort Bend	Brazos	(16)	(19)	(20)	(23)	(27)	(29)
County-Other	Fort Bend	Brazos	(1,909)	(5,299)	(14,177)	(21,593)	(30,248)	(38,868)
Manufacturing	Fort Bend	Brazos	(324)	(352)	(381)	(411)	(442)	(475)
Mining	Fort Bend	Brazos	378	378	378	378	378	378
Steam Electric Power	Fort Bend	Brazos	73,088	73,064	73,039	73,015	72,991	72,991
Livestock	Fort Bend	Brazos	0	0	0	0	0	0
Irrigation	Fort Bend	Brazos	465	465	465	465	465	465
Kendleton	Fort Bend	Brazos-Colorado	0	0	0	0	0	0
Needville	Fort Bend	Brazos-Colorado	9	20	0	4	5	6
County-Other	Fort Bend	Brazos-Colorado	(1,027)	(3,821)	(7,341)	(10,233)	(13,339)	(16,117)
Livestock	Fort Bend	Brazos-Colorado	0	0	0	0	0	0
Irrigation	Fort Bend	Brazos-Colorado	0	0	0	0	0	0
Blue Ridge West MUD	Fort Bend	San Jacinto	9	9	(2)	(33)	(45)	(57)
Fort Bend County FWSD 2	Fort Bend	San Jacinto	(54)	(55)	(57)	(58)	(60)	(64)
Fort Bend County MUD 26	Fort Bend	San Jacinto	7	3	0	0	(1)	(1)
Fort Bend County WCID 2	Fort Bend	San Jacinto	1,474	1,355	1,238	1,135	1,004	876
Fulshear	Fort Bend	San Jacinto	9	(13)	(14)	(17)	(19)	(21)
Houston	Fort Bend	San Jacinto	(30)	(146)	(266)	(338)	(335)	(356)
Katy	Fort Bend	San Jacinto	(870)	(1,263)	(1,485)	(1,504)	(1,658)	(1,806)
Meadows Place	Fort Bend	San Jacinto	25	10	(12)	(42)	(61)	(80)

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

WUG Name	County	Basin	Water Supply Needs or Surplus (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
North Fort Bend Water Authority	Fort Bend	San Jacinto	(11,329)	(19,325)	(22,309)	(24,810)	(26,650)	(28,493)
Sugar Land	Fort Bend	San Jacinto	(266)	(301)	(325)	(351)	(378)	(406)
West Harris County Regional Water Authority	Fort Bend	San Jacinto	(1,370)	(1,384)	(1,422)	(1,462)	(1,492)	(1,521)
Willow Creek Farms MUD	Fort Bend	San Jacinto	0	0	0	0	0	0
County-Other	Fort Bend	San Jacinto	(9)	(33)	(61)	(79)	(95)	(112)
Manufacturing	Fort Bend	San Jacinto	(1,181)	(1,225)	(1,270)	(1,316)	(1,366)	(1,416)
Livestock	Fort Bend	San Jacinto	0	0	0	0	0	0
Irrigation	Fort Bend	San Jacinto	0	0	0	0	0	0
First Colony MUD 9	Fort Bend	San Jacinto-Brazos	4	1	(30)	(47)	(69)	(89)
Fort Bend County FWSD 1	Fort Bend	San Jacinto-Brazos	0	(249)	(342)	(367)	(402)	(435)
Fort Bend County FWSD 2	Fort Bend	San Jacinto-Brazos	(274)	(281)	(302)	(319)	(336)	(354)
Fort Bend County MUD 131	Fort Bend	San Jacinto-Brazos	0	(9)	(17)	(20)	(43)	(55)
Fort Bend County MUD 23	Fort Bend	San Jacinto-Brazos	0	(27)	(27)	(36)	(45)	(52)
Fort Bend County MUD 24	Fort Bend	San Jacinto-Brazos	0	(17)	(17)	(17)	(18)	(19)
Fort Bend County MUD 25	Fort Bend	San Jacinto-Brazos	(684)	(728)	(742)	(744)	(758)	(769)
Fort Bend County MUD 26	Fort Bend	San Jacinto-Brazos	(7)	(18)	(27)	(49)	(59)	(70)
Fort Bend County MUD 42	Fort Bend	San Jacinto-Brazos	0	(19)	(31)	(43)	(55)	(69)
Fort Bend County MUD 46	Fort Bend	San Jacinto-Brazos	1	2	1	1	1	1
Fort Bend County MUD 47	Fort Bend	San Jacinto-Brazos	42	43	43	43	43	31
Fort Bend County MUD 48	Fort Bend	San Jacinto-Brazos	0	(3)	(7)	(24)	(33)	(37)
Fort Bend County MUD 49	Fort Bend	San Jacinto-Brazos	6	4	4	4	(4)	(4)
Fort Bend County WCID 2	Fort Bend	San Jacinto-Brazos	2,346	2,038	1,881	1,762	1,636	1,512
Fulshear	Fort Bend	San Jacinto-Brazos	71	(1,204)	(1,252)	(1,326)	(1,443)	(1,525)

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

WUG Name	County	Basin	Water Supply Needs or Surplus (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Houston	Fort Bend	San Jacinto-Brazos	21	(10)	(34)	(39)	(31)	(38)
Meadowcreek MUD	Fort Bend	San Jacinto-Brazos	0	0	(4)	(7)	(10)	(12)
Missouri City	Fort Bend	San Jacinto-Brazos	7,832	7,676	7,601	7,566	7,410	7,371
North Fort Bend Water Authority	Fort Bend	San Jacinto-Brazos	(6,404)	(3,430)	(4,138)	(4,879)	(5,619)	(6,445)
Palmer Plantation MUD 1	Fort Bend	San Jacinto-Brazos	0	(1)	(1)	(1)	(4)	(15)
Palmer Plantation MUD 2	Fort Bend	San Jacinto-Brazos	0	1	0	0	0	0
Pearland	Fort Bend	San Jacinto-Brazos	329	267	219	169	133	113
Pecan Grove MUD 1	Fort Bend	San Jacinto-Brazos	59	57	55	55	54	53
Quail Valley UD	Fort Bend	San Jacinto-Brazos	634	594	579	507	468	431
Sienna Plantation	Fort Bend	San Jacinto-Brazos	735	730	690	677	655	609
Sugar Land	Fort Bend	San Jacinto-Brazos	(1,342)	(1,367)	(1,564)	(1,635)	(1,725)	(1,867)
TDCJ Jester Units	Fort Bend	San Jacinto-Brazos	(1)	(1)	(1)	(1)	(1)	(1)
Thunderbird UD	Fort Bend	San Jacinto-Brazos	16	8	(26)	(30)	(37)	(57)
County-Other	Fort Bend	San Jacinto-Brazos	(272)	(1,507)	(3,148)	(4,634)	(6,242)	(7,703)
Manufacturing	Fort Bend	San Jacinto-Brazos	1,707	1,686	1,665	1,642	1,613	1,588
Livestock	Fort Bend	San Jacinto-Brazos	0	0	0	0	0	0
Irrigation	Fort Bend	San Jacinto-Brazos	275	275	275	275	275	275
Bolivar Peninsula SUD	Galveston	Neches-Trinity	4,749	4,736	4,729	4,723	4,721	4,720
Livestock	Galveston	Neches-Trinity	(12)	(12)	(12)	(12)	(12)	(12)
Irrigation	Galveston	Neches-Trinity	0	0	0	0	0	0
Bacliff MUD	Galveston	San Jacinto-Brazos	453	434	421	410	400	395

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

WUG Name	County	Basin	Water Supply Needs or Surplus (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Bayview MUD	Galveston	San Jacinto-Brazos	238	232	227	224	221	219
Friendswood	Galveston	San Jacinto-Brazos	5,530	5,419	5,381	5,354	5,298	5,242
Galveston	Galveston	San Jacinto-Brazos	9,344	9,276	9,041	8,905	8,710	8,595
Galveston County FWSD 6	Galveston	San Jacinto-Brazos	526	527	527	527	523	523
Galveston County MUD 12	Galveston	San Jacinto-Brazos	107	108	108	108	107	107
Galveston County WCID 1	Galveston	San Jacinto-Brazos	490	413	367	334	295	273
Galveston County WCID 12	Galveston	San Jacinto-Brazos	2,047	2,024	2,007	2,000	1,982	1,976
Galveston County WCID 8	Galveston	San Jacinto-Brazos	1,195	1,186	1,178	1,175	1,167	1,164
Hitchcock	Galveston	San Jacinto-Brazos	1,054	1,033	1,032	1,028	1,013	1,007
Jamaica Beach	Galveston	San Jacinto-Brazos	34	35	35	34	34	34
La Marque	Galveston	San Jacinto-Brazos	73	(172)	(297)	(380)	(449)	(499)
League City	Galveston	San Jacinto-Brazos	10,049	9,417	8,989	8,744	8,549	8,385
San Leon MUD	Galveston	San Jacinto-Brazos	863	836	814	807	793	784
Texas City	Galveston	San Jacinto-Brazos	3,675	3,417	3,209	3,073	2,935	2,850
County-Other	Galveston	San Jacinto-Brazos	(2,728)	(2,894)	(2,999)	(3,082)	(3,123)	(3,158)
Manufacturing	Galveston	San Jacinto-Brazos	23,370	21,574	19,717	16,949	14,241	12,023
Steam Electric Power	Galveston	San Jacinto-Brazos	(2,687)	(2,687)	(2,687)	(2,687)	(2,687)	(2,687)
Livestock	Galveston	San Jacinto-Brazos	(184)	(184)	(184)	(184)	(184)	(184)
Irrigation	Galveston	San Jacinto-Brazos	(7,818)	(7,818)	(7,818)	(7,818)	(7,818)	(7,818)
Baker Road MUD	Harris	San Jacinto	0	(55)	(55)	(54)	(70)	(78)
Baytown	Harris	San Jacinto	287	(886)	(1,376)	(1,604)	(1,561)	(1,524)
Bellaire	Harris	San Jacinto	0	0	0	0	0	0
Blue Bell Manor Utility	Harris	San Jacinto	0	(84)	(94)	(99)	(93)	(93)

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

WUG Name	County	Basin	Water Supply Needs or Surplus (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Bunker Hill Village	Harris	San Jacinto	0	0	0	(1)	0	0
Central Harris County Regional Water Authority	Harris	San Jacinto	(832)	(1,930)	(1,980)	(2,016)	(2,128)	(2,204)
Chimney Hill MUD	Harris	San Jacinto	69	69	69	69	69	69
Country Terrace Water	Harris	San Jacinto	7	7	7	7	7	8
Crosby MUD	Harris	San Jacinto	59	(88)	(97)	(141)	(213)	(212)
Deer Park	Harris	San Jacinto	(1)	0	0	0	0	1
Douglas Utility	Harris	San Jacinto	0	(58)	(62)	(66)	(61)	(62)
El Dorado UD	Harris	San Jacinto	0	(94)	(122)	(130)	(137)	(141)
Forest Hills MUD	Harris	San Jacinto	34	(17)	(17)	(17)	(100)	(14)
Fort Bend County WCID 2	Harris	San Jacinto	149	60	46	35	25	15
Galena Park	Harris	San Jacinto	163	164	145	136	126	158
Green Trails MUD	Harris	San Jacinto	0	(129)	(130)	(130)	(142)	(150)
Greenwood UD	Harris	San Jacinto	0	0	0	0	0	0
Harris County FWSD 1-A	Harris	San Jacinto	3	3	1	1	0	5
Harris County FWSD 27	Harris	San Jacinto	(4)	(52)	(71)	(81)	(136)	(118)
Harris County FWSD 58	Harris	San Jacinto	0	(68)	(68)	(68)	(68)	(68)
Harris County MUD 106	Harris	San Jacinto	0	0	0	0	0	0
Harris County MUD 11	Harris	San Jacinto	45	(28)	(28)	(28)	(26)	(24)
Harris County MUD 119	Harris	San Jacinto	0	(171)	(171)	(172)	(167)	(165)
Harris County MUD 122	Harris	San Jacinto	41	24	24	25	24	16
Harris County MUD 132	Harris	San Jacinto	0	0	0	0	0	0
Harris County MUD 148	Harris	San Jacinto	0	0	0	0	0	0
Harris County MUD 151	Harris	San Jacinto	0	0	0	0	0	0
Harris County MUD 152	Harris	San Jacinto	0	0	0	0	0	0
Harris County MUD 153	Harris	San Jacinto	0	(315)	(347)	(362)	(402)	(416)

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WUG Name	County	Basin	Water Supply Needs or Surplus (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Harris County MUD 154	Harris	San Jacinto	0	(265)	(291)	(298)	(328)	(340)
Harris County MUD 180	Harris	San Jacinto	0	0	0	0	0	0
Harris County MUD 189	Harris	San Jacinto	0	(127)	(133)	(137)	(153)	(175)
Harris County MUD 216	Harris	San Jacinto	0	(107)	(105)	(103)	(105)	(107)
Harris County MUD 221	Harris	San Jacinto	0	(107)	(117)	(120)	(130)	(134)
Harris County MUD 23	Harris	San Jacinto	0	0	0	0	0	0
Harris County MUD 261	Harris	San Jacinto	(170)	(235)	(242)	(244)	(243)	(245)
Harris County MUD 278	Harris	San Jacinto	845	654	602	583	574	567
Harris County MUD 290	Harris	San Jacinto	0	0	0	0	0	0
Harris County MUD 321	Harris	San Jacinto	0	0	0	0	0	0
Harris County MUD 342	Harris	San Jacinto	0	(152)	(277)	(336)	(338)	(352)
Harris County MUD 344	Harris	San Jacinto	522	120	120	120	119	118
Harris County MUD 345	Harris	San Jacinto	0	(193)	(198)	(202)	(235)	(238)
Harris County MUD 36	Harris	San Jacinto	0	(142)	(326)	(403)	(408)	(433)
Harris County MUD 361	Harris	San Jacinto	0	(119)	(146)	(158)	(173)	(179)
Harris County MUD 372	Harris	San Jacinto	166	0	0	0	0	0
Harris County MUD 400	Harris	San Jacinto	1,050	737	666	637	594	579
Harris County MUD 412	Harris	San Jacinto	791	517	416	375	359	346
Harris County MUD 420	Harris	San Jacinto	0	0	0	0	0	0
Harris County MUD 46	Harris	San Jacinto	0	0	0	0	0	0
Harris County MUD 49	Harris	San Jacinto	366	189	152	132	131	128

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WUG Name	County	Basin	Water Supply Needs or Surplus (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Harris County MUD 494	Harris	San Jacinto	0	(81)	(101)	(110)	(121)	(125)
Harris County MUD 5	Harris	San Jacinto	0	0	0	0	0	0
Harris County MUD 50	Harris	San Jacinto	209	202	186	181	163	153
Harris County MUD 504	Harris	San Jacinto	0	0	0	0	0	0
Harris County MUD 58	Harris	San Jacinto	0	(52)	(52)	(52)	(52)	(52)
Harris County MUD 6	Harris	San Jacinto	19	(62)	(63)	(63)	(60)	(59)
Harris County MUD 8	Harris	San Jacinto	116	109	87	77	84	83
Harris County MUD 96	Harris	San Jacinto	0	0	0	0	0	0
Harris County UD 14	Harris	San Jacinto	0	(43)	(44)	(44)	(44)	(46)
Harris County UD 15	Harris	San Jacinto	0	(105)	(105)	(105)	(114)	(122)
Harris County WCID 1	Harris	San Jacinto	(303)	(313)	(362)	(382)	(451)	(462)
Harris County WCID 133	Harris	San Jacinto	0	(159)	(160)	(161)	(157)	(155)
Harris County WCID 70	Harris	San Jacinto	0	(45)	(45)	(45)	(45)	(45)
Harris County WCID 74	Harris	San Jacinto	0	(138)	(155)	(156)	(149)	(149)
Harris County WCID 96	Harris	San Jacinto	1,651	1,331	1,165	1,116	1,145	1,140
Harris County WCID-Fondren Road	Harris	San Jacinto	102	98	98	98	99	99
Hilshire Village	Harris	San Jacinto	0	0	0	0	0	0
HMW SUD	Harris	San Jacinto	0	(62)	(65)	(66)	(73)	(80)
Houston	Harris	San Jacinto	(34,291)	(81,154)	(90,382)	(94,398)	(92,626)	(93,719)
Humble	Harris	San Jacinto	0	0	0	0	0	0
Jacinto City	Harris	San Jacinto	377	378	359	351	343	373
Jersey Village	Harris	San Jacinto	0	0	0	0	0	0
Katy	Harris	San Jacinto	0	0	0	0	0	0
Kings Manor MUD	Harris	San Jacinto	(26)	(50)	(62)	(69)	(73)	(77)
La Porte	Harris	San Jacinto	208	188	186	184	196	187

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WUG Name	County	Basin	Water Supply Needs or Surplus (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Lake MUD	Harris	San Jacinto	512	497	486	483	454	448
Longhorn Town UD	Harris	San Jacinto	0	(84)	(84)	(82)	(83)	(92)
Luce Bayou PUD	Harris	San Jacinto	0	(74)	(76)	(77)	(77)	(78)
Mason Creek UD	Harris	San Jacinto	0	(290)	(291)	(292)	(315)	(338)
Meadows Place	Harris	San Jacinto	0	0	0	0	0	0
Memorial Villages Water Authority	Harris	San Jacinto	(2,598)	(2,641)	(3,035)	(3,203)	(3,122)	(3,121)
Morgans Point	Harris	San Jacinto	90	90	90	90	90	91
Mount Houston Road MUD	Harris	San Jacinto	0	(162)	(164)	(164)	(158)	(156)
Newport MUD	Harris	San Jacinto	1,043	837	750	697	641	639
Nitsch and Son Utility	Harris	San Jacinto	0	(44)	(44)	(44)	(44)	(44)
North Belt UD	Harris	San Jacinto	0	(156)	(254)	(297)	(302)	(313)
North Channel Water Authority	Harris	San Jacinto	(2,505)	(2,504)	(2,504)	(2,504)	(2,504)	(2,504)
North Forest MUD	Harris	San Jacinto	0	(39)	(41)	(41)	(41)	(46)
North Fort Bend Water Authority	Harris	San Jacinto	(1,179)	(1,629)	(1,641)	(1,647)	(1,711)	(1,778)
North Green MUD	Harris	San Jacinto	45	(69)	(83)	(89)	(98)	(102)
North Harris County Regional Water Authority	Harris	San Jacinto	(49,902)	(79,782)	(83,083)	(84,691)	(88,583)	(91,163)
Northeast Harris County MUD 1	Harris	San Jacinto	(105)	(105)	(105)	(105)	(106)	(110)
Northwest Harris County MUD 16	Harris	San Jacinto	0	(105)	(107)	(111)	(126)	(138)
Parkway MUD	Harris	San Jacinto	0	0	0	0	0	0
Pasadena	Harris	San Jacinto	19,536	19,417	19,313	19,266	19,261	19,295
Pine Village PUD	Harris	San Jacinto	154	90	89	85	89	89
Pinewood Community	Harris	San Jacinto	0	(19)	(20)	(22)	(25)	(25)
Quadvest*	Harris	San Jacinto	0	(6)	(11)	(12)	(11)	(12)
Rolling Fork PUD	Harris	San Jacinto	(37)	(126)	(137)	(142)	(138)	(138)
Sequoia Improvement District	Harris	San Jacinto	0	(27)	(27)	(27)	(26)	(26)
South Houston	Harris	San Jacinto	2,725	2,708	2,699	2,695	2,691	2,692
Southern Water	Harris	San Jacinto	0	(98)	(119)	(130)	(121)	(120)
Southside Place	Harris	San Jacinto	0	0	0	0	0	0

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			2030	2040	2050	2060	2070	2080
Southwest Harris County MUD 1	Harris	San Jacinto	51	49	49	48	49	49
Spring Meadows MUD	Harris	San Jacinto	0	0	1	1	1	1
Spring Valley	Harris	San Jacinto	504	248	247	247	254	257
Suburban Utility	Harris	San Jacinto	(1)	(48)	(181)	(216)	(225)	(230)
Sunbelt FWSD	Harris	San Jacinto	861	295	263	234	257	256
The Commons Water Supply	Harris	San Jacinto	0	(102)	(102)	(102)	(102)	(102)
Tomball	Harris	San Jacinto	0	(1,088)	(1,591)	(1,813)	(2,093)	(2,203)
Trail of the Lakes MUD	Harris	San Jacinto	9	9	9	9	9	9
Waller	Harris	San Jacinto	(108)	(182)	(182)	(182)	(182)	(182)
West Harris County MUD 6	Harris	San Jacinto	0	(78)	(77)	(76)	(77)	(80)
West Harris County Regional Water Authority	Harris	San Jacinto	(16,907)	(35,634)	(36,364)	(36,747)	(38,653)	(40,361)
West University Place	Harris	San Jacinto	9	9	9	9	9	9
Westfield Garden Park	Harris	San Jacinto	(53)	(70)	(70)	(70)	(70)	(70)
Windfern Forest Utility District	Harris	San Jacinto	(494)	(657)	(669)	(675)	(667)	(666)
Woodcreek MUD	Harris	San Jacinto	0	(99)	(99)	(99)	(99)	(99)
County-Other	Harris	San Jacinto	(5,977)	(13,546)	(15,785)	(17,176)	(17,935)	(18,211)
Manufacturing	Harris	San Jacinto	75,843	66,553	56,298	51,101	45,711	40,122
Mining	Harris	San Jacinto	(2,701)	(2,729)	(2,755)	(2,781)	(2,807)	(2,833)
Steam Electric Power	Harris	San Jacinto	(14,695)	(14,695)	(14,695)	(14,695)	(14,695)	(14,695)
Livestock	Harris	San Jacinto	(499)	(665)	(665)	(665)	(665)	(665)
Irrigation	Harris	San Jacinto	2,500	2,500	2,500	2,500	2,500	2,500
Baybrook MUD 1	Harris	San Jacinto-Brazos	1,714	1,696	1,692	1,690	1,680	1,668
Clear Brook City MUD	Harris	San Jacinto-Brazos	1,209	1,210	1,218	1,225	1,209	1,201
Clear Lake City Water Authority	Harris	San Jacinto-Brazos	12,304	12,130	12,002	11,936	11,880	12,006
Deer Park	Harris	San Jacinto-Brazos	1	0	0	0	0	(1)
Friendswood	Harris	San Jacinto-Brazos	1,800	1,726	1,660	1,607	1,589	1,579

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			2030	2040	2050	2060	2070	2080
Harris County MUD 55	Harris	San Jacinto-Brazos	2,595	2,587	2,603	2,616	2,609	2,601
Harris County WCID 156	Harris	San Jacinto-Brazos	47	48	48	48	48	49
Harris County WCID 161	Harris	San Jacinto-Brazos	246	246	246	246	248	251
Harris County WCID 50	Harris	San Jacinto-Brazos	0	0	0	0	0	0
Harris County WCID 89	Harris	San Jacinto-Brazos	2,257	2,253	2,253	2,254	2,258	2,258
Houston	Harris	San Jacinto-Brazos	(4,418)	(4,682)	(4,971)	(5,117)	(5,124)	(5,173)
Kirkmont MUD	Harris	San Jacinto-Brazos	0	0	0	0	0	0
La Porte	Harris	San Jacinto-Brazos	2,771	2,512	2,476	2,448	2,583	2,475
League City	Harris	San Jacinto-Brazos	222	228	222	222	214	204
Morgans Point	Harris	San Jacinto-Brazos	389	383	383	383	384	387
Nassau Bay	Harris	San Jacinto-Brazos	936	925	919	914	910	914
Pasadena	Harris	San Jacinto-Brazos	5,130	5,096	5,067	5,053	5,054	5,064
Pearland	Harris	San Jacinto-Brazos	765	598	541	487	451	434
Sagemeadow UD	Harris	San Jacinto-Brazos	235	225	232	239	229	218
Seabrook	Harris	San Jacinto-Brazos	533	510	485	474	477	483
Shoreacres	Harris	San Jacinto-Brazos	63	64	63	63	61	59
Webster	Harris	San Jacinto-Brazos	1,980	1,907	1,895	1,889	1,879	1,887
County-Other	Harris	San Jacinto-Brazos	(464)	(572)	(641)	(682)	(701)	(710)
Manufacturing	Harris	San Jacinto-Brazos	11,378	8,042	4,359	2,493	558	(1,450)
Mining	Harris	San Jacinto-Brazos	(8)	(8)	(8)	(8)	(8)	(8)
Steam Electric Power	Harris	San Jacinto-Brazos	(140)	(140)	(140)	(140)	(140)	(140)

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WUG Name	County	Basin	Water Supply Needs or Surplus (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Livestock	Harris	San Jacinto-Brazos	(51)	(51)	(51)	(51)	(51)	(51)
Baytown	Harris	Trinity-San Jacinto	(58)	(685)	(971)	(1,116)	(1,142)	(1,151)
Lake MUD	Harris	Trinity-San Jacinto	29	30	28	28	26	26
Spring Meadows MUD	Harris	Trinity-San Jacinto	0	(1)	0	0	0	0
County-Other	Harris	Trinity-San Jacinto	(2,355)	(2,814)	(3,173)	(3,343)	(3,431)	(3,504)
Manufacturing	Harris	Trinity-San Jacinto	(28,074)	(34,233)	(40,912)	(44,741)	(48,653)	(52,677)
Livestock	Harris	Trinity-San Jacinto	(133)	(133)	(133)	(133)	(133)	(133)
Irrigation	Harris	Trinity-San Jacinto	2,421	2,421	2,421	2,421	2,421	2,421
Concord-Robbins WSC	Leon	Brazos	0	0	0	0	0	0
High Prairie WSC	Leon	Brazos	(8)	0	0	0	0	0
Hilltop Lakes WSC	Leon	Brazos	0	0	0	1	0	0
Jewett	Leon	Brazos	0	0	0	0	0	0
Normangee	Leon	Brazos	0	0	0	0	0	0
Southeast WSC	Leon	Brazos	0	0	0	0	0	0
County-Other	Leon	Brazos	0	0	0	0	0	0
Livestock	Leon	Brazos	(2)	(2)	(2)	(2)	(2)	(2)
Irrigation	Leon	Brazos	0	0	0	0	0	0
Buffalo	Leon	Trinity	0	0	0	0	0	0
Centerville	Leon	Trinity	0	0	0	0	0	0
Concord-Robbins WSC	Leon	Trinity	0	0	0	0	0	0
Flo Community WSC*	Leon	Trinity	0	0	0	0	0	0
Jewett	Leon	Trinity	0	0	0	0	0	0
Normangee	Leon	Trinity	0	0	0	0	0	0
Southeast WSC	Leon	Trinity	0	0	0	0	0	0
County-Other	Leon	Trinity	0	(1)	0	0	0	0
Manufacturing	Leon	Trinity	0	(35)	(71)	(108)	(147)	(187)
Mining	Leon	Trinity	0	0	0	0	0	0
Livestock	Leon	Trinity	(74)	(74)	(74)	(74)	(74)	(74)
Irrigation	Leon	Trinity	0	0	0	0	0	0

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

WUG Name	County	Basin	Water Supply Needs or Surplus (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Daisetta	Liberty	Neches	0	0	0	0	0	0
Devers	Liberty	Neches	0	0	0	0	0	0
Hardin WSC	Liberty	Neches	0	0	0	0	0	0
Liberty County FWSD 1 Hull	Liberty	Neches	0	0	0	0	0	0
West Hardin WSC*	Liberty	Neches	0	0	0	0	0	0
County-Other	Liberty	Neches	0	0	0	0	0	0
Manufacturing	Liberty	Neches	0	0	0	0	0	0
Livestock	Liberty	Neches	0	0	0	0	0	0
Irrigation	Liberty	Neches	(7,493)	(7,493)	(7,493)	(7,493)	(7,493)	(7,493)
County-Other	Liberty	Neches-Trinity	0	0	0	0	0	0
Livestock	Liberty	Neches-Trinity	(116)	(116)	(116)	(116)	(116)	(116)
Irrigation	Liberty	Neches-Trinity	14,344	14,344	14,344	14,344	14,344	14,344
Cleveland	Liberty	San Jacinto	0	0	0	0	0	0
Mercy WSC	Liberty	San Jacinto	0	0	0	0	0	0
Quadvest*	Liberty	San Jacinto	1	(168)	(419)	(544)	(711)	(892)
South Cleveland WSC	Liberty	San Jacinto	0	0	0	(157)	(487)	(835)
Splendora	Liberty	San Jacinto	(27)	(81)	(137)	(199)	(248)	(290)
T & W Water Service	Liberty	San Jacinto	0	0	0	0	0	0
Tarkington SUD	Liberty	San Jacinto	0	0	0	0	0	0
County-Other	Liberty	San Jacinto	0	0	0	0	0	0
Mining	Liberty	San Jacinto	0	(2)	(3)	(5)	(6)	(7)
Livestock	Liberty	San Jacinto	(32)	(32)	(32)	(32)	(32)	(32)
Irrigation	Liberty	San Jacinto	(1,725)	(1,725)	(1,725)	(1,725)	(1,725)	(1,725)
Ames Minglewood WSC	Liberty	Trinity	0	0	0	0	0	0
Dayton	Liberty	Trinity	0	0	0	0	0	0
Devers	Liberty	Trinity	0	0	0	0	0	0
Hardin WSC	Liberty	Trinity	0	0	0	0	0	0
Lake Livingston WSC*	Liberty	Trinity	59	55	54	52	50	48
Liberty	Liberty	Trinity	0	0	0	0	0	0
Raywood WSC	Liberty	Trinity	0	0	0	0	0	0
T & W Water Service	Liberty	Trinity	0	0	0	0	0	0

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

WUG Name	County	Basin	Water Supply Needs or Surplus (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Tarkington SUD	Liberty	Trinity	0	0	0	0	0	0
Woodcreek Water Of Liberty	Liberty	Trinity	0	0	0	0	0	0
County-Other	Liberty	Trinity	0	0	0	0	0	0
Manufacturing	Liberty	Trinity	0	0	0	0	0	0
Mining	Liberty	Trinity	(79)	(95)	(112)	(128)	(143)	(158)
Livestock	Liberty	Trinity	(319)	(319)	(319)	(319)	(319)	(319)
Irrigation	Liberty	Trinity	6,455	6,455	6,455	6,455	6,455	6,455
Dayton	Liberty	Trinity-San Jacinto	0	0	0	0	0	0
County-Other	Liberty	Trinity-San Jacinto	0	0	0	0	0	0
Livestock	Liberty	Trinity-San Jacinto	(56)	(56)	(56)	(56)	(56)	(56)
Irrigation	Liberty	Trinity-San Jacinto	1	1	1	1	1	1
High Prairie WSC	Madison	Brazos	0	0	0	0	0	0
North Zulch MUD	Madison	Brazos	0	0	0	0	0	0
County-Other	Madison	Brazos	0	0	0	0	0	0
Mining	Madison	Brazos	(443)	(443)	(443)	(443)	(443)	(443)
Livestock	Madison	Brazos	(58)	(58)	(58)	(58)	(58)	(58)
Irrigation	Madison	Brazos	(26)	(26)	(26)	(26)	(26)	(26)
High Prairie WSC	Madison	Trinity	0	0	0	0	0	0
Madisonville	Madison	Trinity	0	0	0	0	0	0
Normangee	Madison	Trinity	0	0	0	0	0	0
North Zulch MUD	Madison	Trinity	0	0	0	0	0	0
TDCJ Ferguson Unit	Madison	Trinity	(169)	(169)	(169)	(169)	(169)	(169)
County-Other	Madison	Trinity	(96)	(101)	(104)	(109)	(113)	(116)
Mining	Madison	Trinity	(532)	(532)	(532)	(532)	(532)	(532)
Livestock	Madison	Trinity	(721)	(721)	(721)	(721)	(721)	(721)
Irrigation	Madison	Trinity	(11)	(11)	(11)	(11)	(11)	(11)
Blaketree MUD 1 of Montgomery County	Montgomery	San Jacinto	(2)	(19)	(52)	(70)	(78)	(85)
Chateau Woods MUD	Montgomery	San Jacinto	(12)	(87)	(138)	(174)	(196)	(219)
Conroe	Montgomery	San Jacinto	(1,980)	(3,432)	(5,783)	(8,338)	(9,980)	(11,761)
Conroe Resort Utilities	Montgomery	San Jacinto	(4)	(26)	(46)	(60)	(72)	(85)

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

WUG Name	County	Basin	Water Supply Needs or Surplus (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Corinthian Point MUD 2	Montgomery	San Jacinto	(1)	(10)	(26)	(37)	(45)	(53)
Cut & Shoot	Montgomery	San Jacinto	(471)	(652)	(904)	(1,170)	(1,382)	(1,459)
Dobbin Plantersville WSC*	Montgomery	San Jacinto	(19)	(190)	(429)	(643)	(866)	(1,052)
Domestic Water	Montgomery	San Jacinto	(4)	(24)	(39)	(53)	(64)	(71)
East Montgomery County MUD 6	Montgomery	San Jacinto	(276)	(290)	(329)	(403)	(461)	(453)
East Plantation UD	Montgomery	San Jacinto	(8)	(44)	(100)	(158)	(165)	(180)
Far Hills UD	Montgomery	San Jacinto	(4)	(37)	(76)	(109)	(135)	(159)
G & W WSC*	Montgomery	San Jacinto	0	0	0	0	0	0
Grand Oaks MUD	Montgomery	San Jacinto	(4)	(35)	(59)	(69)	(77)	(83)
Harris-Montgomery Counties MUD 386	Montgomery	San Jacinto	0	0	0	0	0	0
HMW SUD	Montgomery	San Jacinto	(32)	(215)	(387)	(512)	(599)	(681)
Houston	Montgomery	San Jacinto	(319)	(592)	(823)	(991)	(1,114)	(1,231)
Johnston Water Utility	Montgomery	San Jacinto	(404)	(1,028)	(1,420)	(1,681)	(1,886)	(2,049)
Keenan WSC	Montgomery	San Jacinto	(4)	(29)	(64)	(88)	(106)	(122)
Kings Manor MUD	Montgomery	San Jacinto	(74)	(144)	(181)	(207)	(226)	(243)
Lake Bonanza WSC	Montgomery	San Jacinto	(8)	(54)	(102)	(138)	(165)	(188)
Lake Conroe Hills MUD	Montgomery	San Jacinto	(7)	(44)	(71)	(90)	(103)	(116)
Lazy River Improvement District	Montgomery	San Jacinto	(8)	(51)	(83)	(108)	(125)	(143)
Magnolia	Montgomery	San Jacinto	(24)	(231)	(443)	(541)	(601)	(663)
Montgomery	Montgomery	San Jacinto	(15)	(119)	(199)	(251)	(287)	(318)
Montgomery County MUD 105	Montgomery	San Jacinto	(7)	(42)	(70)	(90)	(105)	(118)
Montgomery County MUD 112	Montgomery	San Jacinto	(29)	(177)	(297)	(365)	(415)	(570)
Montgomery County MUD 115	Montgomery	San Jacinto	(131)	(229)	(295)	(352)	(384)	(432)
Montgomery County MUD 119	Montgomery	San Jacinto	(49)	(303)	(499)	(636)	(735)	(834)
Montgomery County MUD 126	Montgomery	San Jacinto	(142)	(163)	(210)	(270)	(320)	(315)
Montgomery County MUD 127	Montgomery	San Jacinto	(46)	(79)	(98)	(115)	(124)	(139)

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

WUG Name	County	Basin	Water Supply Needs or Surplus (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Montgomery County MUD 137	Montgomery	San Jacinto	(7)	(74)	(130)	(163)	(183)	(196)
Montgomery County MUD 139	Montgomery	San Jacinto	(24)	(133)	(210)	(257)	(285)	(311)
Montgomery County MUD 15	Montgomery	San Jacinto	(193)	(279)	(331)	(361)	(386)	(410)
Montgomery County MUD 18	Montgomery	San Jacinto	(24)	(163)	(281)	(372)	(444)	(519)
Montgomery County MUD 19	Montgomery	San Jacinto	(24)	(140)	(223)	(275)	(305)	(334)
Montgomery County MUD 24	Montgomery	San Jacinto	(8)	51	70	87	102	119
Montgomery County MUD 56	Montgomery	San Jacinto	(4)	(21)	(36)	(44)	(50)	(56)
Montgomery County MUD 8	Montgomery	San Jacinto	191	117	60	4	(27)	(57)
Montgomery County MUD 83	Montgomery	San Jacinto	(14)	(80)	(131)	(165)	(190)	(213)
Montgomery County MUD 84	Montgomery	San Jacinto	341	392	414	438	468	501
Montgomery County MUD 88	Montgomery	San Jacinto	(23)	(128)	(203)	(249)	(285)	(321)
Montgomery County MUD 89	Montgomery	San Jacinto	(32)	(185)	(301)	(380)	(438)	(496)
Montgomery County MUD 9	Montgomery	San Jacinto	(161)	(424)	(637)	(807)	(930)	(1,045)
Montgomery County MUD 94	Montgomery	San Jacinto	(27)	(166)	(271)	(343)	(394)	(445)
Montgomery County MUD 95	Montgomery	San Jacinto	1,726	1,593	1,511	1,478	1,449	1,429
Montgomery County MUD 98	Montgomery	San Jacinto	(3)	(8)	(17)	(25)	(34)	(43)
Montgomery County MUD 99	Montgomery	San Jacinto	144	111	54	37	0	(3)
Montgomery County UD 2	Montgomery	San Jacinto	(19)	(145)	(203)	(245)	(276)	(305)
Montgomery County UD 3	Montgomery	San Jacinto	(19)	(48)	(84)	(121)	(158)	(196)
Montgomery County UD 4	Montgomery	San Jacinto	188	9	(127)	(223)	(291)	(358)
Montgomery County WCID 1	Montgomery	San Jacinto	(16)	(98)	(159)	(195)	(222)	(246)
MSEC Enterprises*	Montgomery	San Jacinto	(160)	(965)	(1,825)	(2,506)	(2,930)	(3,469)

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

WUG Name	County	Basin	Water Supply Needs or Surplus (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
New Caney MUD	Montgomery	San Jacinto	(63)	(438)	(784)	(1,062)	(1,274)	(1,439)
North Harris County Regional Water Authority	Montgomery	San Jacinto	0	(2)	(3)	(3)	(4)	(5)
Oak Ridge North	Montgomery	San Jacinto	(13)	(91)	(154)	(220)	(241)	(263)
Panorama Village	Montgomery	San Jacinto	(5)	(35)	(60)	(81)	(97)	(115)
Patton Village	Montgomery	San Jacinto	(2)	(15)	(30)	(47)	(54)	(60)
Pinehurst Decker Prairie WSC	Montgomery	San Jacinto	(5)	(36)	(67)	(98)	(118)	(135)
Point Aquarius MUD	Montgomery	San Jacinto	7	(22)	(64)	(103)	(128)	(155)
Porter SUD	Montgomery	San Jacinto	(407)	(1,383)	(2,145)	(2,691)	(3,100)	(3,522)
Quadvest*	Montgomery	San Jacinto	(176)	(1,250)	(2,275)	(3,005)	(3,484)	(4,021)
Ranch Crest Water	Montgomery	San Jacinto	(7)	(43)	(71)	(87)	(98)	(109)
Rayford Road MUD	Montgomery	San Jacinto	(40)	(235)	(385)	(483)	(559)	(634)
River Plantation MUD	Montgomery	San Jacinto	(12)	(100)	(198)	(331)	(360)	(392)
Roman Forest Consolidated MUD	Montgomery	San Jacinto	(8)	(58)	(116)	(183)	(225)	(246)
Shenandoah	Montgomery	San Jacinto	(77)	(520)	(848)	(1,075)	(1,205)	(1,321)
Southern Montgomery County MUD	Montgomery	San Jacinto	(17)	(103)	(165)	(203)	(241)	(274)
Splendor	Montgomery	San Jacinto	(160)	(483)	(898)	(1,375)	(1,757)	(1,800)
Spring Creek UD	Montgomery	San Jacinto	(41)	(241)	(392)	(495)	(566)	(634)
Stanley Lake MUD	Montgomery	San Jacinto	(10)	(61)	(104)	(138)	(163)	(192)
T & W Water Service	Montgomery	San Jacinto	(60)	(379)	(696)	(942)	(1,136)	(1,282)
The Woodlands	Montgomery	San Jacinto	(481)	(2,939)	(4,813)	(5,991)	(7,066)	(8,964)
Valley Ranch MUD 1	Montgomery	San Jacinto	(39)	27	69	100	127	157
Westwood North WSC	Montgomery	San Jacinto	(20)	(121)	(216)	(269)	(299)	(383)
White Oak WSC	Montgomery	San Jacinto	(5)	(37)	(63)	(90)	(106)	(126)
Willis	Montgomery	San Jacinto	708	650	588	536	490	456
Wood Branch Village	Montgomery	San Jacinto	(6)	(45)	(90)	(147)	(168)	(188)
Wood Trace MUD 1	Montgomery	San Jacinto	(7)	(36)	(64)	(85)	(97)	(112)
Woodland Oaks Utility	Montgomery	San Jacinto	(12)	(77)	(133)	(173)	(201)	(227)
Woodridge MUD	Montgomery	San Jacinto	(19)	13	32	48	62	78

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DRAFT Region H 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	Montgomery	San Jacinto	(36)	(5,610)	(11,853)	(17,119)	(21,113)	(24,587)
Manufacturing	Montgomery	San Jacinto	(924)	(1,199)	(1,418)	(1,586)	(1,724)	(1,861)
Mining	Montgomery	San Jacinto	(1)	(7)	(12)	(18)	(22)	(28)
Steam Electric Power	Montgomery	San Jacinto	(315)	(501)	(631)	(711)	(758)	(801)
Livestock	Montgomery	San Jacinto	(17)	(96)	(151)	(185)	(205)	(223)
Irrigation	Montgomery	San Jacinto	(167)	(943)	(1,485)	(1,820)	(2,019)	(2,200)
Lake Livingston WSC*	Polk	Trinity	603	615	619	623	627	630
Leggett WSC*	Polk	Trinity	0	0	0	0	0	0
Livingston	Polk	Trinity	2,841	2,617	2,504	2,380	2,245	2,096
Memorial Point UD	Polk	Trinity	10	10	10	10	10	10
Moscow WSC*	Polk	Trinity	0	0	0	0	0	0
Onalaska WSC	Polk	Trinity	0	0	0	0	0	0
Providence WSC	Polk	Trinity	0	0	0	0	0	0
Soda WSC*	Polk	Trinity	0	0	0	0	0	0
Tempe WSC 1	Polk	Trinity	0	0	0	0	0	0
County-Other*	Polk	Trinity	20	20	20	20	20	20
Manufacturing*	Polk	Trinity	8	8	8	8	8	8
Mining*	Polk	Trinity	6	5	4	3	2	2
Livestock*	Polk	Trinity	0	0	0	0	0	0
Irrigation*	Polk	Trinity	0	0	0	0	0	0
Dodge Oakhurst WSC	San Jacinto	San Jacinto	0	0	0	0	0	0
Mercy WSC	San Jacinto	San Jacinto	0	0	0	0	0	0
One Five O WSC	San Jacinto	San Jacinto	0	0	0	0	0	0
P B & S C WSC	San Jacinto	San Jacinto	0	0	0	0	0	0
San Jacinto SUD	San Jacinto	San Jacinto	72	72	71	72	72	71
County-Other	San Jacinto	San Jacinto	0	0	0	0	0	0
Manufacturing	San Jacinto	San Jacinto	0	0	0	0	0	0
Mining	San Jacinto	San Jacinto	0	0	0	0	0	0
Livestock	San Jacinto	San Jacinto	0	0	0	0	0	0
Irrigation	San Jacinto	San Jacinto	0	0	0	0	0	0
Cape Royale UD	San Jacinto	Trinity	0	0	0	0	0	0
Dodge Oakhurst WSC	San Jacinto	Trinity	0	0	0	0	0	0
Lake Livingston WSC*	San Jacinto	Trinity	221	211	203	196	188	181
P B & S C WSC	San Jacinto	Trinity	0	0	0	0	0	0

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

WUG Name	County	Basin	Water Supply Needs or Surplus (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Riverside SUD	San Jacinto	Trinity	0	(1)	0	0	0	0
San Jacinto SUD	San Jacinto	Trinity	208	208	209	208	208	209
Shepherd	San Jacinto	Trinity	0	0	0	0	0	0
Waterwood MUD 1	San Jacinto	Trinity	336	336	336	336	336	336
County-Other	San Jacinto	Trinity	0	0	0	0	0	(4)
Mining	San Jacinto	Trinity	(25)	(25)	(25)	(25)	(25)	(25)
Livestock	San Jacinto	Trinity	0	0	0	0	0	0
Irrigation	San Jacinto	Trinity	120	120	120	120	120	120
Glendale WSC	Trinity	Trinity	75	75	75	75	75	75
Groveton*	Trinity	Trinity	315	313	315	315	313	313
Pennington WSC*	Trinity	Trinity	0	0	0	0	0	0
Trinity	Trinity	Trinity	863	886	906	920	934	949
Trinity Rural WSC	Trinity	Trinity	22	48	70	83	97	112
Westwood Shores MUD	Trinity	Trinity	378	386	393	398	403	408
County-Other*	Trinity	Trinity	20	20	20	20	20	20
Mining*	Trinity	Trinity	0	0	0	0	0	0
Livestock*	Trinity	Trinity	0	0	0	0	0	0
Irrigation*	Trinity	Trinity	34	34	34	34	34	34
Dodge Oakhurst WSC	Walker	San Jacinto	0	0	(15)	(47)	(94)	(158)
Huntsville	Walker	San Jacinto	11,931	11,795	11,710	11,593	10,744	9,117
New Waverly	Walker	San Jacinto	0	0	0	0	0	0
One Five O WSC	Walker	San Jacinto	0	0	0	0	0	0
Phelps SUD	Walker	San Jacinto	0	0	0	0	0	0
Quadvest*	Walker	San Jacinto	0	0	0	0	0	0
Walker County SUD	Walker	San Jacinto	(37)	(40)	(42)	(44)	(46)	(47)
County-Other	Walker	San Jacinto	1,603	1,640	1,666	1,691	1,709	1,723
Manufacturing	Walker	San Jacinto	0	0	0	0	0	0
Livestock	Walker	San Jacinto	0	0	0	0	0	0
Irrigation	Walker	San Jacinto	0	0	0	0	0	0
Dodge Oakhurst WSC	Walker	Trinity	0	0	(20)	(63)	(125)	(209)
Huntsville	Walker	Trinity	2,498	2,474	2,457	2,436	2,272	1,962
Lake Livingston WSC*	Walker	Trinity	11	10	10	8	7	5
Phelps SUD	Walker	Trinity	0	0	0	0	0	0
Riverside SUD	Walker	Trinity	0	1	0	0	0	0
Trinity Rural WSC	Walker	Trinity	4	2	1	1	1	1

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

WUG Name	County	Basin	Water Supply Needs or Surplus (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Walker County SUD	Walker	Trinity	0	0	0	0	0	0
County-Other	Walker	Trinity	1,213	1,228	1,271	1,309	1,291	1,277
Manufacturing	Walker	Trinity	337	337	337	337	337	337
Mining	Walker	Trinity	0	0	0	0	0	0
Livestock	Walker	Trinity	1	1	1	1	1	1
Irrigation	Walker	Trinity	0	0	0	0	0	0
Brookshire MWD	Waller	Brazos	0	0	0	0	0	0
G & W WSC*	Waller	Brazos	0	0	0	0	0	0
Hempstead	Waller	Brazos	0	0	0	0	0	0
Pattison WSC	Waller	Brazos	0	0	0	0	0	0
Prairie View	Waller	Brazos	0	0	0	0	0	0
Prairie View A&M University	Waller	Brazos	0	0	0	0	0	0
Quadvest*	Waller	Brazos	0	0	0	0	0	0
County-Other	Waller	Brazos	(205)	(582)	(1,287)	(2,176)	(3,127)	(4,154)
Manufacturing	Waller	Brazos	0	0	0	0	0	0
Mining	Waller	Brazos	0	0	0	0	0	0
Livestock	Waller	Brazos	0	0	0	0	0	0
Irrigation	Waller	Brazos	72	72	72	72	69	66
G & W WSC*	Waller	San Jacinto	0	0	0	0	0	0
Katy	Waller	San Jacinto	0	0	0	0	0	0
North Fort Bend Water Authority	Waller	San Jacinto	(16)	(25)	(68)	(75)	(79)	(79)
Oak Hollow Utility	Waller	San Jacinto	0	0	0	0	0	0
Prairie View	Waller	San Jacinto	0	0	0	0	0	0
Prairie View A&M University	Waller	San Jacinto	0	0	0	0	0	0
Quadvest*	Waller	San Jacinto	0	0	0	0	0	0
Waller	Waller	San Jacinto	0	0	0	0	0	0
Willow Creek Farms MUD	Waller	San Jacinto	0	0	0	0	0	0
County-Other	Waller	San Jacinto	(338)	(698)	(1,373)	(2,226)	(3,137)	(4,119)
Manufacturing	Waller	San Jacinto	16	16	16	16	16	16
Livestock	Waller	San Jacinto	0	0	0	0	0	0
Irrigation	Waller	San Jacinto	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.

APPENDIX TM-D3
2026 RWP WUG DATA COMPARISON TO 2021 RWP

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DRAFT Region H 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 (%)
Austin County Municipal WUG Type						
Existing WUG supply total	5,540	4,933	-11.0%	7,090	5,395	-23.9%
Projected demand total	5,752	4,933	-14.2%	9,267	5,394	-41.8%
Water supply needs total**	212	0	-100.0%	2,177	0	-100.0%
Austin County Manufacturing WUG Type						
Existing WUG supply total	114	15	-86.8%	114	19	-83.3%
Projected demand total	114	15	-86.8%	114	19	-83.3%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Austin County Mining WUG Type						
Existing WUG supply total	127	35	-72.4%	90	35	-61.1%
Projected demand total	320	73	-77.2%	90	113	25.6%
Water supply needs total**	193	38	-80.3%	0	78	100.0%
Austin County Steam Electric Power WUG Type						
Projected demand total	0	888	100.0%	0	888	100.0%
Water supply needs total**	0	888	100.0%	0	888	100.0%
Austin County Livestock WUG Type						
Existing WUG supply total	1,108	1,222	10.3%	1,108	1,222	10.3%
Projected demand total	1,108	1,222	10.3%	1,108	1,222	10.3%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Austin County Irrigation WUG Type						
Existing WUG supply total	6,007	6,007	0.0%	6,007	6,007	0.0%
Projected demand total	6,007	6,007	0.0%	6,007	6,007	0.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Brazoria County Municipal WUG Type						
Existing WUG supply total	65,473	73,610	12.4%	74,621	75,475	1.1%
Projected demand total	61,994	62,519	0.8%	94,544	72,106	-23.7%

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**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 H 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**	2,223	6,360	186.1%	24,383	13,354	-45.2%
Brazoria County Manufacturing WUG Type						
Existing WUG supply total	225,720	241,136	6.8%	224,314	238,223	6.2%
Projected demand total	232,153	238,541	2.8%	232,153	275,853	18.8%
Water supply needs total**	27,812	23,039	-17.2%	27,855	49,862	79.0%
Brazoria County Mining WUG Type						
Existing WUG supply total	968	176	-81.8%	963	164	-83.0%
Projected demand total	1,189	508	-57.3%	2,126	762	-64.2%
Water supply needs total**	221	332	50.2%	1,163	598	-48.6%
Brazoria County Livestock WUG Type						
Existing WUG supply total	1,495	1,371	-8.3%	1,487	1,254	-15.7%
Projected demand total	1,495	1,596	6.8%	1,495	1,596	6.8%
Water supply needs total**	0	225	100.0%	8	342	4175.0%
Brazoria County Irrigation WUG Type						
Existing WUG supply total	32,858	32,964	0.3%	32,775	31,726	-3.2%
Projected demand total	90,575	90,575	0.0%	90,575	90,575	0.0%
Water supply needs total**	57,717	57,611	-0.2%	57,800	58,849	1.8%
Chambers County Municipal WUG Type						
Existing WUG supply total	9,990	11,043	10.5%	11,975	15,017	25.4%
Projected demand total	8,974	10,809	20.4%	16,063	25,005	55.7%
Water supply needs total**	753	1,196	58.8%	5,662	10,855	91.7%
Chambers County Manufacturing WUG Type						
Existing WUG supply total	39,768	46,244	16.3%	39,768	46,244	16.3%
Projected demand total	23,519	35,938	52.8%	23,519	41,560	76.7%
Water supply needs total**	3,452	12,281	255.8%	3,452	14,432	318.1%
Chambers County Mining WUG Type						

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**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 H 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	5,621	1	-100.0%	5,621	1	-100.0%
Projected demand total	5,621	1	-100.0%	5,621	1	-100.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Chambers County Steam Electric Power WUG Type						
Existing WUG supply total	7,319	11,063	51.2%	7,319	11,063	51.2%
Projected demand total	8,706	6,948	-20.2%	8,706	6,948	-20.2%
Water supply needs total**	1,387	0	-100.0%	1,387	0	-100.0%
Chambers County Livestock WUG Type						
Existing WUG supply total	497	521	4.8%	497	521	4.8%
Projected demand total	497	521	4.8%	497	521	4.8%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Chambers County Irrigation WUG Type						
Existing WUG supply total	140,535	145,409	3.5%	140,535	145,409	3.5%
Projected demand total	128,320	128,320	0.0%	128,320	128,320	0.0%
Water supply needs total**	12,572	12,572	0.0%	12,572	12,572	0.0%
Fort Bend County Municipal WUG Type						
Existing WUG supply total	160,878	178,338	10.9%	207,384	219,146	5.7%
Projected demand total	212,678	191,123	-10.1%	324,133	300,755	-7.2%
Water supply needs total**	64,133	33,005	-48.5%	122,510	102,394	-16.4%
Fort Bend County Manufacturing WUG Type						
Existing WUG supply total	4,978	4,382	-12.0%	4,975	4,638	-6.8%
Projected demand total	5,941	4,180	-29.6%	5,941	4,833	-18.7%
Water supply needs total**	1,086	1,505	38.6%	1,086	1,808	66.5%
Fort Bend County Mining WUG Type						
Existing WUG supply total	443	391	-11.7%	395	398	0.8%
Projected demand total	75	13	-82.7%	19	20	5.3%

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DRAFT Region H 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**	10	0	-100.0%	2	0	-100.0%
Fort Bend County Steam Electric Power WUG Type						
Existing WUG supply total	124,719	124,719	0.0%	124,622	124,622	0.0%
Projected demand total	62,017	51,631	-16.7%	62,017	51,631	-16.7%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Fort Bend County Livestock WUG Type						
Existing WUG supply total	832	673	-19.1%	832	673	-19.1%
Projected demand total	832	673	-19.1%	832	673	-19.1%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Fort Bend County Irrigation WUG Type						
Existing WUG supply total	31,053	31,340	0.9%	31,053	31,340	0.9%
Projected demand total	30,600	30,600	0.0%	30,600	30,600	0.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Galveston County Municipal WUG Type						
Existing WUG supply total	85,759	100,435	17.1%	85,903	100,748	17.3%
Projected demand total	60,333	62,736	4.0%	72,256	67,572	-6.5%
Water supply needs total**	2,868	2,728	-4.9%	4,926	3,572	-27.5%
Galveston County Manufacturing WUG Type						
Existing WUG supply total	54,939	69,733	26.9%	54,836	67,856	23.7%
Projected demand total	64,333	46,363	-27.9%	64,333	53,615	-16.7%
Water supply needs total**	9,394	0	-100.0%	9,497	0	-100.0%
Galveston County Mining WUG Type						
Existing WUG supply total	40	0	-100.0%	55	0	-100.0%
Projected demand total	408	0	-100.0%	555	0	-100.0%
Water supply needs total**	368	0	-100.0%	500	0	-100.0%
Galveston County Steam Electric Power WUG Type						

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DRAFT Region H 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	0	0	0.0%	0	0	0.0%
Projected demand total	0	2,687	100.0%	0	2,687	100.0%
Water supply needs total**	0	2,687	100.0%	0	2,687	100.0%
Galveston County Livestock WUG Type						
Existing WUG supply total	26	21	-19.2%	26	21	-19.2%
Projected demand total	263	217	-17.5%	263	217	-17.5%
Water supply needs total**	237	196	-17.3%	237	196	-17.3%
Galveston County Irrigation WUG Type						
Existing WUG supply total	301	300	-0.3%	301	300	-0.3%
Projected demand total	5,105	8,118	59.0%	5,105	8,118	59.0%
Water supply needs total**	4,804	7,818	62.7%	4,804	7,818	62.7%
Harris County Municipal WUG Type						
Existing WUG supply total	770,719	824,461	7.0%	708,045	744,526	5.2%
Projected demand total	860,415	879,205	2.2%	1,048,667	952,348	-9.2%
Water supply needs total**	148,438	122,788	-17.3%	389,992	269,474	-30.9%
Harris County Manufacturing WUG Type						
Existing WUG supply total	439,882	433,130	-1.5%	439,879	435,968	-0.9%
Projected demand total	364,350	373,983	2.6%	364,350	438,352	20.3%
Water supply needs total**	20,900	28,074	34.3%	20,903	48,653	132.8%
Harris County Mining WUG Type						
Existing WUG supply total	325	301	-7.4%	312	313	0.3%
Projected demand total	3,252	3,010	-7.4%	3,110	3,128	0.6%
Water supply needs total**	2,927	2,709	-7.4%	2,798	2,815	0.6%
Harris County Steam Electric Power WUG Type						
Existing WUG supply total	25,412	11,763	-53.7%	25,412	11,763	-53.7%
Projected demand total	28,993	26,598	-8.3%	28,993	26,598	-8.3%

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DRAFT Region H 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**	3,581	14,835	314.3%	3,581	14,835	314.3%
Harris County Livestock WUG Type						
Existing WUG supply total	536	371	-30.8%	280	205	-26.8%
Projected demand total	1,403	1,054	-24.9%	1,403	1,054	-24.9%
Water supply needs total**	867	683	-21.2%	1,123	849	-24.4%
Harris County Irrigation WUG Type						
Existing WUG supply total	14,997	14,361	-4.2%	14,997	14,361	-4.2%
Projected demand total	9,440	9,440	0.0%	9,440	9,440	0.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Leon County Municipal WUG Type						
Existing WUG supply total	2,522	2,157	-14.5%	3,108	1,849	-40.5%
Projected demand total	2,522	2,165	-14.2%	3,108	1,849	-40.5%
Water supply needs total**	0	8	100.0%	0	0	0.0%
Leon County Manufacturing WUG Type						
Existing WUG supply total	926	940	1.5%	926	940	1.5%
Projected demand total	1,069	940	-12.1%	1,069	1,087	1.7%
Water supply needs total**	143	0	-100.0%	143	147	2.8%
Leon County Mining WUG Type						
Existing WUG supply total	2,402	337	-86.0%	634	337	-46.8%
Projected demand total	2,481	337	-86.4%	634	337	-46.8%
Water supply needs total**	79	0	-100.0%	0	0	0.0%
Leon County Livestock WUG Type						
Existing WUG supply total	2,904	2,465	-15.1%	2,904	2,465	-15.1%
Projected demand total	2,904	2,541	-12.5%	2,904	2,541	-12.5%
Water supply needs total**	0	76	100.0%	0	76	100.0%
Leon County Irrigation WUG Type						

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DRAFT Region H 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	492	502	2.0%	492	502	2.0%
Projected demand total	492	502	2.0%	492	502	2.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Liberty County Municipal WUG Type						
Existing WUG supply total	13,812	16,391	18.7%	19,240	31,170	62.0%
Projected demand total	13,749	16,358	19.0%	19,274	32,566	69.0%
Water supply needs total**	18	27	50.0%	116	1,446	1146.6%
Liberty County Manufacturing WUG Type						
Existing WUG supply total	289	239	-17.3%	289	277	-4.2%
Projected demand total	289	239	-17.3%	289	277	-4.2%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Liberty County Mining WUG Type						
Existing WUG supply total	437	108	-75.3%	437	108	-75.3%
Projected demand total	457	187	-59.1%	539	257	-52.3%
Water supply needs total**	20	79	295.0%	102	149	46.1%
Liberty County Livestock WUG Type						
Existing WUG supply total	454	449	-1.1%	454	449	-1.1%
Projected demand total	992	972	-2.0%	992	972	-2.0%
Water supply needs total**	538	523	-2.8%	538	523	-2.8%
Liberty County Irrigation WUG Type						
Existing WUG supply total	50,449	54,782	8.6%	50,449	54,782	8.6%
Projected demand total	43,200	43,200	0.0%	43,200	43,200	0.0%
Water supply needs total**	9,344	9,218	-1.3%	9,344	9,218	-1.3%
Madison County Municipal WUG Type						
Existing WUG supply total	2,701	2,853	5.6%	3,292	2,915	-11.5%
Projected demand total	2,701	3,118	15.4%	3,292	3,197	-2.9%

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DRAFT Region H 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	265	100.0%	0	282	100.0%
Madison County Mining WUG Type						
Existing WUG supply total	597	0	-100.0%	194	0	-100.0%
Projected demand total	972	975	0.3%	194	975	402.6%
Water supply needs total**	375	975	160.0%	0	975	100.0%
Madison County Livestock WUG Type						
Existing WUG supply total	1,406	237	-83.1%	1,406	237	-83.1%
Projected demand total	1,406	1,016	-27.7%	1,406	1,016	-27.7%
Water supply needs total**	0	779	100.0%	0	779	100.0%
Madison County Irrigation WUG Type						
Existing WUG supply total	291	216	-25.8%	291	216	-25.8%
Projected demand total	122	253	107.4%	122	253	107.4%
Water supply needs total**	0	37	100.0%	0	37	100.0%
Montgomery County Municipal WUG Type						
Existing WUG supply total	104,677	120,524	15.1%	105,299	126,434	20.1%
Projected demand total	125,960	123,789	-1.7%	272,018	196,240	-27.9%
Water supply needs total**	27,075	6,570	-75.7%	169,417	72,504	-57.2%
Montgomery County Manufacturing WUG Type						
Existing WUG supply total	1,843	1,196	-35.1%	1,843	726	-60.6%
Projected demand total	2,413	2,120	-12.1%	2,413	2,450	1.5%
Water supply needs total**	570	924	62.1%	570	1,724	202.5%
Montgomery County Mining WUG Type						
Existing WUG supply total	1,363	31	-97.7%	728	32	-95.6%
Projected demand total	1,363	32	-97.7%	728	54	-92.6%
Water supply needs total**	0	1	100.0%	0	22	100.0%
Montgomery County Steam Electric Power WUG Type						

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DRAFT Region H 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	12,455	8,968	-28.0%	12,455	8,525	-31.6%
Projected demand total	4,845	9,283	91.6%	4,845	9,283	91.6%
Water supply needs total**	0	315	100.0%	0	758	100.0%
Montgomery County Livestock WUG Type						
Existing WUG supply total	537	478	-11.0%	537	290	-46.0%
Projected demand total	537	495	-7.8%	537	495	-7.8%
Water supply needs total**	0	17	100.0%	0	205	100.0%
Montgomery County Irrigation WUG Type						
Existing WUG supply total	6,500	5,475	-15.8%	6,500	3,623	-44.3%
Projected demand total	5,642	5,642	0.0%	5,642	5,642	0.0%
Water supply needs total**	0	167	100.0%	0	2,019	100.0%
Polk County Municipal WUG Type						
Existing WUG supply total	9,996	10,114	1.2%	10,748	10,918	1.6%
Projected demand total	6,703	6,640	-0.9%	8,149	8,016	-1.6%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Polk County Manufacturing WUG Type						
Existing WUG supply total	5	16	220.0%	5	16	220.0%
Projected demand total	5	8	60.0%	5	8	60.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Polk County Mining WUG Type						
Existing WUG supply total	98	32	-67.3%	32	32	0.0%
Projected demand total	98	26	-73.5%	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	181	194	7.2%	181	194	7.2%
Projected demand total	181	194	7.2%	181	194	7.2%

*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 H 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%
Polk County Irrigation WUG Type						
Existing WUG supply total	332	332	0.0%	332	332	0.0%
Projected demand total	332	332	0.0%	332	332	0.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
San Jacinto County Municipal WUG Type						
Existing WUG supply total	4,415	4,074	-7.7%	5,260	3,738	-28.9%
Projected demand total	3,634	3,237	-10.9%	4,479	2,934	-34.5%
Water supply needs total**	0	0	0.0%	0	0	0.0%
San Jacinto County Manufacturing WUG Type						
Existing WUG supply total	10	9	-10.0%	10	9	-10.0%
Projected demand total	10	9	-10.0%	10	9	-10.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
San Jacinto County Mining WUG Type						
Existing WUG supply total	8	31	287.5%	9	31	244.4%
Projected demand total	8	56	600.0%	9	56	522.2%
Water supply needs total**	0	25	100.0%	0	25	100.0%
San Jacinto County Livestock WUG Type						
Existing WUG supply total	413	345	-16.5%	413	345	-16.5%
Projected demand total	413	345	-16.5%	413	345	-16.5%
Water supply needs total**	0	0	0.0%	0	0	0.0%
San Jacinto County Irrigation WUG Type						
Existing WUG supply total	268	268	0.0%	268	268	0.0%
Projected demand total	148	148	0.0%	148	148	0.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Trinity County Municipal 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 H 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	3,071	2,827	-7.9%	3,094	2,755	-11.0%
Projected demand total	1,477	1,154	-21.9%	1,519	913	-39.9%
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	201	169	-15.9%	201	169	-15.9%
Projected demand total	201	169	-15.9%	201	169	-15.9%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Trinity County Irrigation WUG Type						
Existing WUG supply total	309	309	0.0%	309	309	0.0%
Projected demand total	275	275	0.0%	275	275	0.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Walker County Municipal WUG Type						
Existing WUG supply total	29,865	32,497	8.8%	30,210	38,313	26.8%
Projected demand total	12,964	15,274	17.8%	13,831	22,554	63.1%
Water supply needs total**	0	37	100.0%	0	265	100.0%
Walker County Manufacturing WUG Type						
Existing WUG supply total	640	614	-4.1%	640	657	2.7%
Projected demand total	303	277	-8.6%	303	320	5.6%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Walker County Mining WUG Type						
Existing WUG supply total	11	73	563.6%	11	73	563.6%
Projected demand total	11	73	563.6%	11	73	563.6%

*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 H 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%
Walker County Livestock WUG Type						
Existing WUG supply total	753	781	3.7%	753	781	3.7%
Projected demand total	753	780	3.6%	753	780	3.6%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Walker County Irrigation WUG Type						
Existing WUG supply total	560	560	0.0%	560	560	0.0%
Projected demand total	560	560	0.0%	560	560	0.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Walker County Municipal WUG Type						
Existing WUG supply total	7,650	9,606	25.6%	11,850	13,741	16.0%
Projected demand total	8,758	10,165	16.1%	16,320	20,084	23.1%
Water supply needs total**	1,108	559	-49.5%	4,470	6,343	41.9%
Walker County Manufacturing WUG Type						
Existing WUG supply total	152	174	14.5%	152	199	30.9%
Projected demand total	136	158	16.2%	136	183	34.6%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Walker County Mining WUG Type						
Existing WUG supply total	7	109	1457.1%	7	188	2585.7%
Projected demand total	7	109	1457.1%	7	188	2585.7%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Walker County Livestock WUG Type						
Existing WUG supply total	1,179	1,186	0.6%	1,179	1,186	0.6%
Projected demand total	1,179	1,186	0.6%	1,179	1,186	0.6%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Walker 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 H 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	22,026	22,116	0.4%	22,026	22,113	0.4%
Projected demand total	22,044	22,044	0.0%	22,044	22,044	0.0%
Water supply needs total**	18	0	-100.0%	18	0	-100.0%
Region H Total						
Existing WUG supply total	2,548,191	2,675,262	5.0%	2,553,324	2,667,466	4.5%
Projected demand total	2,561,103	2,558,437	-0.1%	3,076,799	2,993,134	-2.7%
Water supply needs total**	405,443	352,172	-13.1%	883,136	714,428	-19.1%

*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.

APPENDIX TM-E

**DOCUMENTATION OF WATER MANAGEMENT STRATEGY IDENTIFICATION
AND SELECTION**

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TO: Region H Water Planning Group

FROM: Philip Taucer

SUBJECT: Potential Water Management Strategy (WMS) Identification and Selection Methodology

DATE: 1/27/2024

PROJECT: SJR21660

1 Introduction

Pursuant to 31 TAC 357.12(b), the Region H Water Planning Group (RHWPG) is required to prepare a summary of its process for identifying and selecting Water Management Strategies (WMS) for development of the 2026 Regional Water Plan (RWP). This process must be presented to the public for comment at a public meeting of the RHWPG. The Region H WMS Committee reviewed the methodology applied in the prior RWP, recommending utilization of a similar methodology with limited adjustments for consideration by the RHWPG. The RHWPG considered and approved the methodology recommended by the Region H WMS Committee at a public meeting on December 6, 2023. The methodology described below documents the WMS identification and selection methodology adopted by the RHWPG. This evaluation methodology will also be applied by the RHWPG to evaluate WMS Projects which, for the purposes of regional planning, refer to specific infrastructure used to increase or manage water supplies. It is recognized that WMS may include one or more projects that can each be scored individually in the selection process.

Potential WMS are defined based on a determination of needs developed from a comparison of projected demands and existing supplies. These strategies are to be analyzed at the Major Water Provider (MWP), Wholesale Water Provider (WWP), or Water User Group (WUG) level. A detailed technical memorandum will be prepared for each of the management strategies and projects that are selected and considered to be overarching key strategies or projects.

2 Shortage Analysis

The regional water planning process begins with identifying current and projected future water demands. After water demands are identified for all WUGs, water supplies available to Region H are identified and allocated to WUGs and WWPs based on current usage and contracts. By matching the supplies and the demands, projected surpluses and shortages are determined. MWP supplies and contracts are also reviewed to determine their respective surplus or need during the planning period.

3 Application of General WMS

The selection of WMS begins with the identification of certain "general WMS" that are readily available. Such alternatives can provide simple, cost-effective solutions to shortage without the development of

new, major water projects. These strategies include the use of groundwater where available, the expansion or extension of existing contracts for water supplies between WUGs and WWP, and the reduction of demand through water conservation.

In evaluating the general WMS, the RHWPG makes three assumptions. First, the RHWPG assumes that every municipal WUG with a projected shortage would, where feasible, utilize conservation before developing additional groundwater supplies, seeking out or increasing a WWP contract, or pursuing any other strategies to increase supply. This is pursuant to the language of 31 TAC 357.34(g).

Secondly, WUGs would continue to develop groundwater until it is fully utilized. This is based upon the observed pattern of development in the region, where the Gulf Coast Aquifer is available in all of the southern counties. The supply of groundwater will not be allocated in excess of regulations set forth by subsidence or groundwater conservation districts or other entities that have regulatory power over the consumption of groundwater.

Finally, those WUGs currently receiving water from WWP would be able to increase their contract amounts until the WWP supplies were fully allocated. This assumes the use of existing supplies conveyed through existing infrastructure wherever possible.

4 Identification of Potential WMS

Potential WMS will include, but are not limited to, the strategies considered in the 2021 RWP. These strategies, plus additional strategies formulated since the completion of the 2021 RWP, are included in **Table 1**.

Table 1. Initial Potentially Feasible WMS and Key Projects List

Conservation
Industrial Conservation ¹
Irrigation Conservation
Advanced Municipal Conservation
Water Loss Reduction
Conveyance
BWA Transmission Expansion
CHCRWA Transmission and Internal Distribution
City of Houston GRP Transmission
COH, NHCRWA, and CHCRWA Shared Transmission
CWA Transmission Expansion
East Texas Transfer
GCWA Industrial Raw Water Line
Lake Livingston to SJRA Transfer
LNVA Neches-Trinity Basin Interconnect
NFBWA Phase 2 Distribution Segments
NHCRWA Distribution Expansion
NHCRWA Transmission Lines
Southeast Transmission Line Improvements
Surfside Beach Supply Infrastructure
WHCRWA Distribution Expansion
WHCRWA/NFBWA Transmission Line

Groundwater Development

Aquifer Storage and Recovery
Brackish Groundwater Development and Groundwater Blending
BWA Brackish Groundwater Development
City of Houston Area 2 Groundwater Infrastructure
Expanded Use of Groundwater
Forestar Houston County Project¹
Forestar Liberty County Project¹
GCWA Backup Well Development
Groveton Groundwater Expansion
SJRA Catahoula Aquifer Supplies

Groundwater Reduction Plans

CHCRWA GRP
City of Houston GRP
City of Missouri City GRP
City of Richmond GRP
City of Rosenberg GRP
City of Sugar Land IWRP
Fort Bend County MUD 25 GRP
Fort Bend County WC&ID No. 2 GRP
Montgomery County MUDs 8 and 9 GRP
NFBWA GRP
NHCRWA GRP
Porter SUD Joint GRP
River Plantation and East Plantation Joint GRP
SJRA GRP
WHCRWA GRP

Reuse

City of Houston Reuse
City of Pearland Reuse
Galveston County Industrial Reuse
NFBWA Member District Reuse
NHCRWA Member District Reuse
San Jacinto Basin Regional Return Flows
Wastewater Reclamation for Industry¹
Wastewater Reclamation for Municipal Irrigation
Westwood Shores MUD Reuse

Surface Water Development

Allens Creek Reservoir
BRA System Operation Permit
BWSC Reservoir and Pump Station Expansion
Lake Somerville Augmentation¹
Lake Whitney Reallocation
Lone Star Lake¹
Manvel Supply Expansion
NRG Cedar Bayou Desalination
Seawater Desalination

Treatment

BWA Conventional Treatment Expansion
City of Houston Treatment Expansion
City of Houston West Water Purification Plant
GCWA Western Galveston County Treatment Expansion
Harris County MUD 50 Surface Water Treatment Plant²
Northeast Water Purification Plant Expansion
Pearland Surface Water Treatment Plant
SEWPP Additional Module

Other

Brazos Saltwater Barrier
GCWA Shannon Pump Station Expansion
Municipal Drought Management¹
New and Expanded Contracts

1. Considered but not recommended in the Region H 2021 RWP.
2. Requested through the 2022 Region H WUG survey.

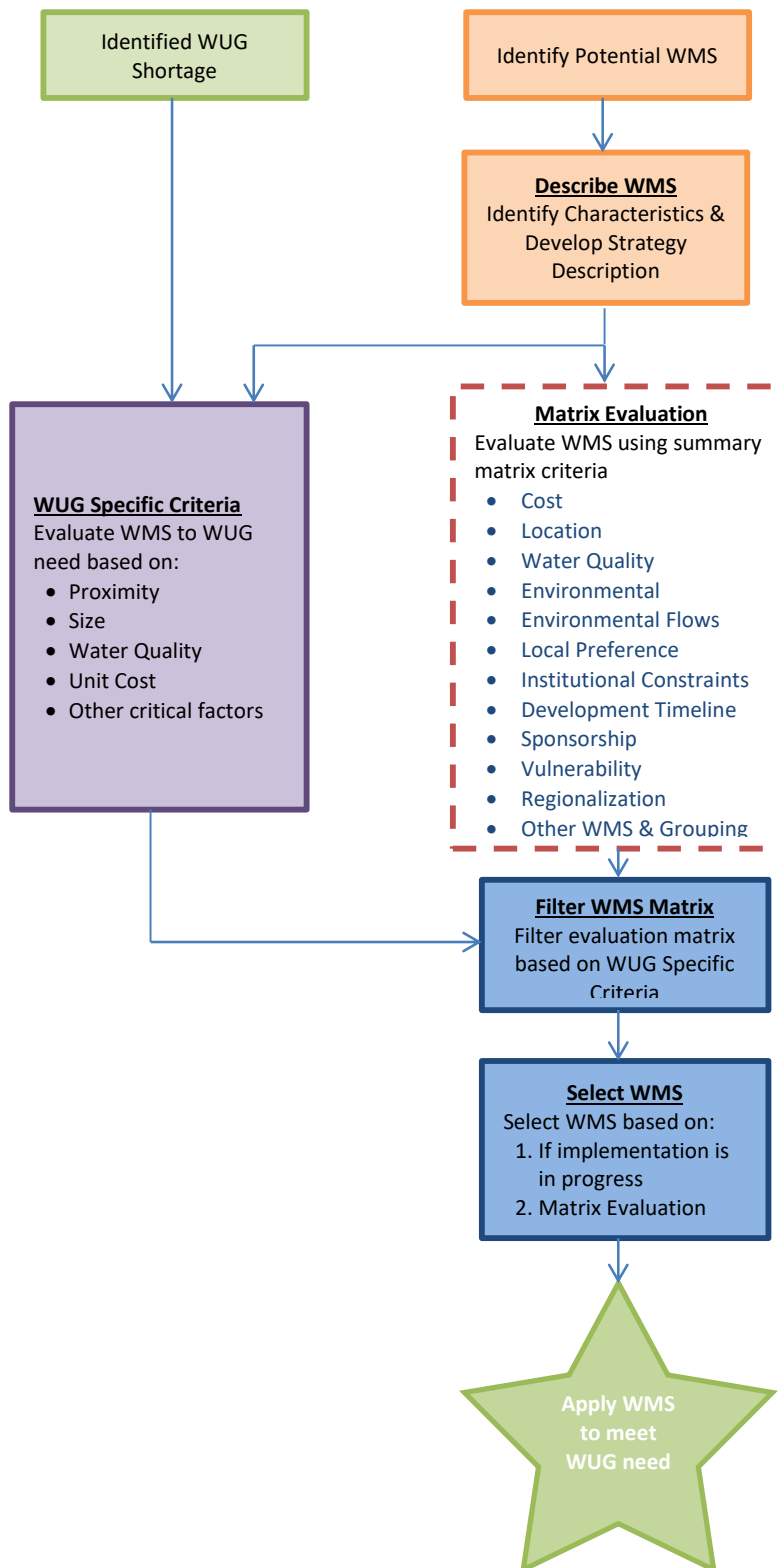
5 WMS Evaluation and Selection Process

For the 2026 RWP, a dual-phased WMS selection process is proposed. Inputs into the dual-phase process include the identified WUG shortages (after the application of General WMS) and the potential WMS. The output is the application of WMS(s) to meet a WUG need. **Figure 1** presents a flow chart of the proposed WMS selection process.

Prior to the dual phases, the proposed strategies will be described in detail. Within the dual phases, the first phase (the WUG Specific Criteria phase) focuses on the WUG, as it aims to evaluate the WMS for a specific WUG need. During this phase, questions such as the following must be addressed for a given WMS to be considered acceptable to apply to meet a WUG need:

- Is the strategy within reasonable proximity to location of water need?
- Is the strategy right-sized or easily paired with another WMS?
- Is the expected water quality produced by the strategy significantly different from existing water quality at the WUG?
- Is the unit cost (and capital if no WWP is present) supportable by the target WUG?
- Has any other flaw relating to the WMS and WUG been identified?

Figure 1. Region H WMS Selection Methodology Process



The second phase (the Matrix Evaluation phase) focuses on the evaluation of the WMS. In this phase, each WMS will be evaluated based on the matrix of criteria presented in **Table 2**. Each WMS will be given a score from one to five for each analysis criterion, and the phase will ultimately develop a matrix of rated WMS. The analysis criteria include the following:

- Cost – Evaluates the unit cost of the water produced by the strategy.
- Location – Evaluates the degree of interbasin transfer or conveyance required to move the water to significant demand centers within Region H.
- Water Quality – Evaluates the strategy’s impact on water quality.
- Environmental Land & Habitat – Evaluates the degree of environmental land impacts and the degree of public opposition expected by the strategy.
- Environmental Flows – Evaluates the degree of impact to environmental flows to bays and estuaries. This evaluation is independent of the application of adopted environmental flow standards that are required to be enforced upon new water right appropriations. Projects that are found to reduce flows are not necessarily in violation of these standards just as compliance with the adopted standards does not mean a project will not reduce instream flows.
- Local Preference – Evaluates the local preference and likelihood for public support or opposition created by the strategy.
- Institutional Constraints/Risk of Implementability – Evaluates the potential for factors such as permitting and land acquisition to affect the strategy.
- Development Timeline – Evaluates the amount of time necessary to implement the strategy.
- Sponsorship – Evaluates whether a sponsor has been identified and is committed to implementing the strategy.
- Vulnerability – Evaluates the risk from natural or man-made disasters such as hurricanes, climate change, or terrorism to impact the strategy’s ability to deliver water.
- Regionalization – Evaluates the degree to which the strategy supports or expands regionalization through serving multiple water systems, water providers, or a broad geographic area.
- Impacts on Other WMS – Evaluates the likelihood of the strategy to impact other WMS and the potential for the strategy to be applied in coordination with other WMS.

After the dual-phase description, the emphasis of the methodology shifts to the identification and selection of WMS to meet the needs of a particular WUG of interest. To accomplish this process, the evaluation matrix is filtered for each WUG need, such that all WMS that meet the WUG Specific Criteria are available for selection.

Selection of the WMS will first occur by selecting any strategies that are already in progress. This is intended to make the planning process parallel with ongoing developments within Region H while still allowing for thorough quantitative evaluation of each strategy under consideration. Subsequent selections of WMS will be made, as needed, based on the filtered Matrix Evaluation. After WMS selection, the selected WMS are applied to meet WUG needs.

Table 2. WMS Evaluation Matrix

Category	Rating Criteria				
	1	2	3	4	5
Cost	>\$1,200/ac-ft	\$900 to \$1,200/ac-ft	\$600 to \$900/ac-ft	\$300 to \$600/ac-ft	<\$300/ac-ft
Location	IBT required, long distance or outside Region H.	IBT & Conveyance required for use to meet significant needs.	IBT required for some need centers. Conveyance required.	Some conveyance required to need centers.	No IBT required. Relatively near centers of high demand.
Water Quality	Quality of supply is reduced significantly.	Quality of supply is reduced.	No known water quality issues.	Quality of supply is improved.	Existing water quality problems are reduced.
Environmental Land & Habitat	Significant environmental issues and opposition.	Some environmental issues and opposition.	Environmental impacts can be mitigated. Limited concerns.	Minimal mitigation of impacts needed. Minimal concerns.	Limited or no known impacts.
Impacts on Environmental Flows	Significantly reduces instream or B&E flows.	Reduces instream or B&E flows.	No impact.	Increases instream or B&E flows.	Significantly increases instream or B&E flows.
Local Preference	No local support. Significant opposition.	Minimal local support. Some opposition.	Some local support. Limited opposition.	Local support. Minimal opposition.	Widespread local support. Multi-use benefits likely.
Institutional Constraints / Risk of Implementability	Permits opposed. Significant property required.	Some permit opposition. Some property acquisition necessary.	Permits expected with minimal problems. Property available.	Permit application in progress. Property acquired or under acquisition.	Permits issued. Facilities or land owned. Water available.
Development Timeline	>35 years	25-35 years	15-25 years	5-15 years	0-5 years
Sponsorship	No sponsor readily identifiable.	Sponsor identifiable, but uncommitted.	Sponsor(s) identified; commitment level uncertain.	Sponsor(s) are identified and committed to strategy.	Sponsors identified and strategy is in development.
Vulnerability	Significant risk from natural and man-made disasters.	Substantial risk from natural and man-made disasters.	Moderate risk from natural and man-made disasters.	Slight risk from natural and man-made disasters.	Minimal risk from natural and man-made disasters.
Regionalization	Sponsored by and serving single system.	Serves limited number of systems	Serves multiple water systems and may have multiple sponsors	Serves extensive area and/or multiple WWPs, supports existing regional systems	Serves extensive area and/or multiple WWPs, creates major new regionalization opportunity
Impacts on Other Management Strategies	Significant negative impacts.	Some negative impacts and/or little chance of grouping.	No impact.	Some positive impacts, potential synergistic effects.	Significant positive impacts, synergy achieved.

