

# REGION H

## Water Planning Group



## TECHNICAL MEMORANDUM

### 5<sup>th</sup> Cycle of Regional Water Plan Development

Prepared by:  
Region H Water Planning Group

Prepared for:  
Texas Water Development Board

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# Contents

**TM – Technical Memorandum** ..... **1**

TM.1 Introduction ..... 1

TM.2 Population and Demands ..... 1

TM.3 Available Water Supplies ..... 3

TM.4 Allocation of Water Supplies to Meet Projected Demands ..... 5

TM.5 Consideration of Water Management Strategies and Projects to Meet Identified Needs 5

TM.6 Intention to Pursue Simplified Planning for the 2021 Regional Water Plan ..... 8

TM.7 Public Process ..... 8

## List of Tables

Table TM-1: List of Potentially Feasible Water Management Strategies ..... 6

## List of Figures

Figure TM-1 – Population and Water Demand Projections by WUG Category ..... 2

Figure TM-2 – Available Water Supplies by Source Type ..... 4

## List of Appendices

Appendix TM-A TWDB DB22 Reports Related to Population and Demands

Appendix TM-B TWDB DB22 Reports Related to Available Water Supplies

Appendix TM-C Documentation of Model Files Used in Compiling Available Water Supplies

Appendix TM-D TWDB DB22 Reports Related to Allocation of Water Supplies to Meet Projected Demands

Appendix TM-E Documentation of Water Management Strategy Identification and Selection

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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 2016 round of submittals. This plan, along with the RWPs of regions throughout Texas were incorporated into the 2017 State Water Plan (SWP) by the Texas Water Development Board (TWDB). Currently, final projections of population and water demands for the 2021 RWPs have been adopted, and available water supplies for the fifth 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 13.1.1 of TWDB *Exhibit C – Second Amended General Guidelines for Fifth Cycle of Regional Water Plan Development*. The contents of this memorandum represent draft representations of the water demand, supplies, and needs anticipated for the fifth round of planning. This information has been entered into the TWDB planning database, DB22, and reports generated from DB22 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 (GCDs), 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 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.

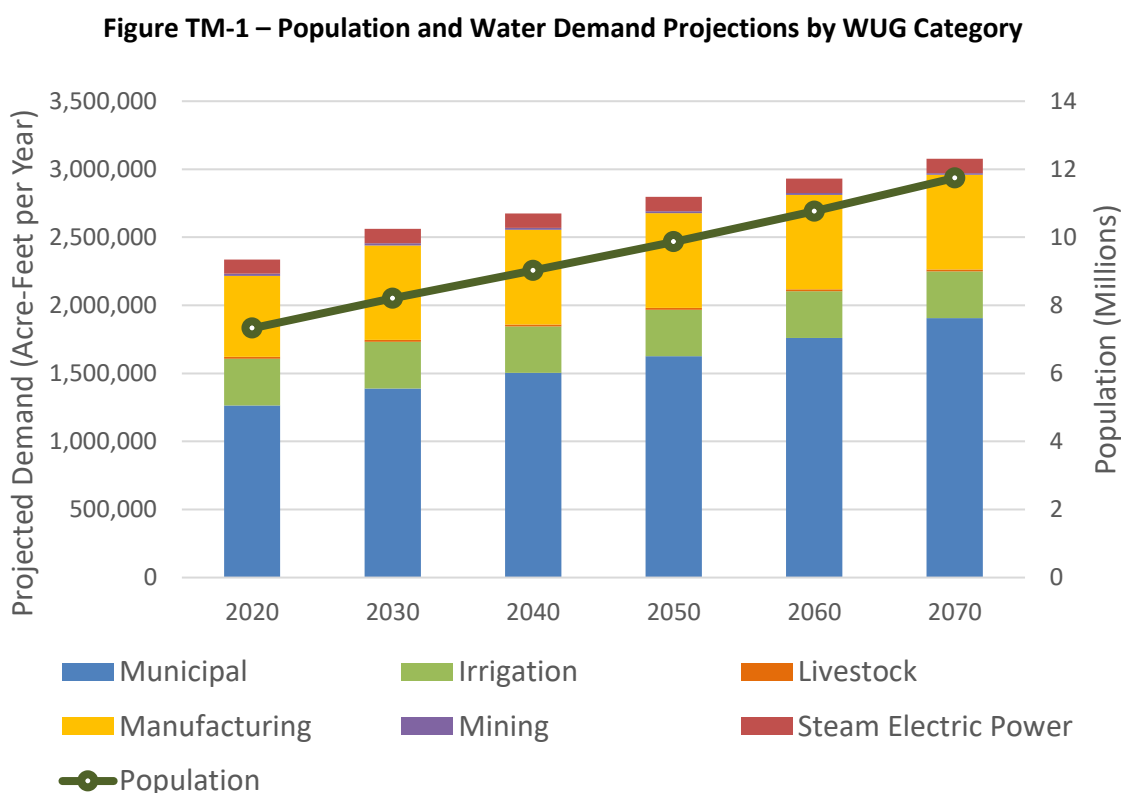
## TM.2 POPULATION AND DEMANDS

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

- Population and municipal water demand projections: Population projections were adjusted from the 2017 SWP based on adjustments to WUG populations developed by TWDB to translate boundaries used in the 2017 SWP to water system boundaries for the 2021 RWP. Municipal demand projections were developed based on these projections and TWDB data describing per-capita water use with adjustment for projected savings due to baseline conservation practices. These projections were adjusted by the RHWP based on local information and stakeholder input.
- Irrigation demand projections: Projections were based on the second highest demands identified in historical county-wide water use from 2010 through 2015.

- Livestock demand projections: Projections were based on projections developed by TWDB.
- Manufacturing demand projections: Demand projections provided by TWDB were adjusted based on stakeholder information provided by TWDB or modified to include data from 2015 water use surveys where appropriate.
- Mining demand projections: Projections were based on projections developed by TWDB.
- Steam electric power demand projections: Demand projections from TWDB were modified to include the maximum level of water use from 2010 through 2015 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*.



Detailed information regarding projections can be found in **Appendix TM-A** as shown in the TWDB DB22 Population Projection and Water Demand reports including population and water demand projections by WUG, county, and river basin.

Entities of particular significance to the region’s water supply have been identified by the RHWPG as Major Water Providers (MWP); these include both WUGs and Wholesale Water Providers (WWPs) that supply at least 25,000 ac-ft/yr to wholesale and retail customers in Region H. Aggregate water demands associated with currently-designated MWP in Region H can be found in **Appendix TM-A**.

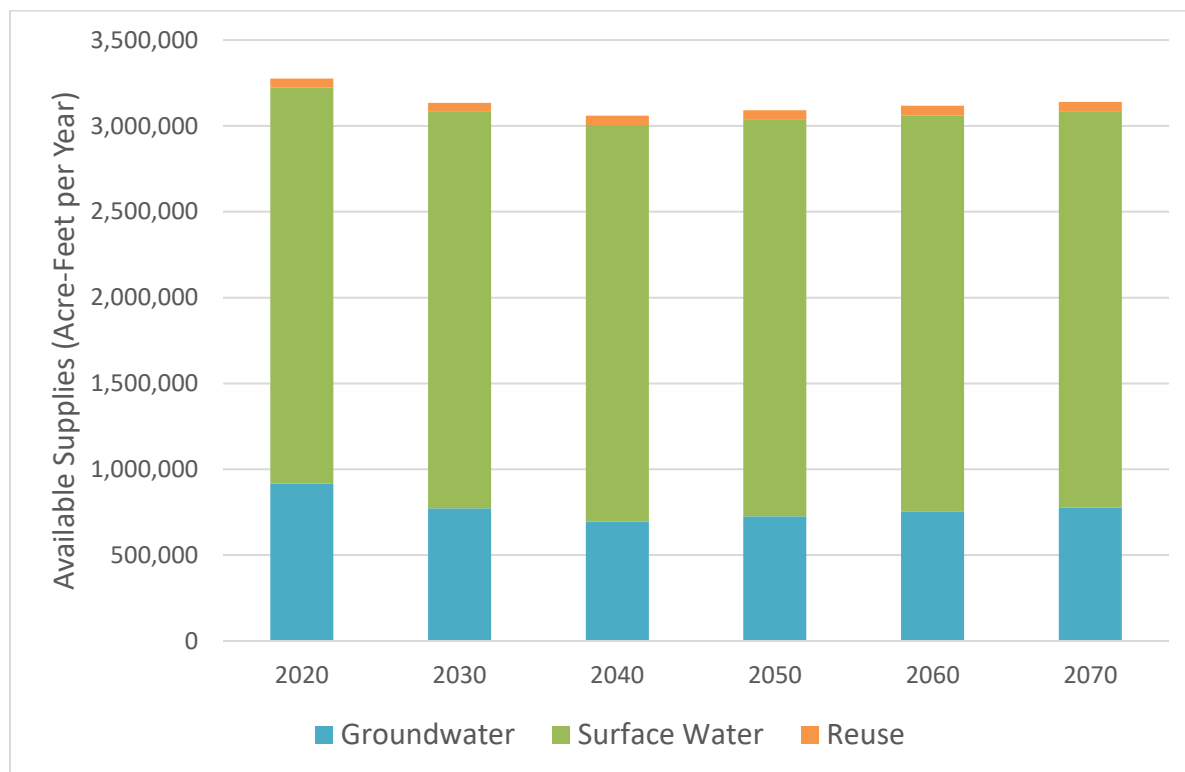
### **TM.3 AVAILABLE WATER SUPPLIES**

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

- Groundwater with designated MAGs: MAG supplies for the 2021 round of regional planning are set based on the MAGs developed during the second 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 April 4, 2018, the RHWPG elected to retain the yield values included in the 2017 SWP as the available yield of these formations in the 2021 RWP. At a public meeting on August 1, 2018, the RHWPG subsequently took action to set the availability of the Catahoula Formation in Montgomery County to a level matching permitted pumping and to reflect a small amount of supply availability for a portion of the Gulf Coast Aquifer in Trinity County based on TWDB GAM Run 16-024.
- 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 include current water rights that have been added since the last official model update and adjustments 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 DB22 Source Water 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 2017 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 DB22 report on the difference in projected source availability for the 2021 RWP and availability in the 2016 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 by the RHWPG to TWDB;
- The letter of approval from TWDB of modifications to TCEQ WAMs by the RHWPG;
- 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 (EA);
- 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, DB22, 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 DB22 WUG Existing Water Supply;
- TWDB DB22 WUG Identified Water Need/Surplus;
- TWDB DB22 WUG Category Summary;
- TWDB DB22 Source Water Balance;
- TWDB DB22 Comparison of Supplies, Demands, and Needs to 2016 RWP; and
- RHWPG Summary of Water Needs Associated with Major Water Providers.

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 WATER MANAGEMENT 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, WWP, 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, 2017 and considered a list of potentially feasible WMS that had been reviewed and recommended by the Region H WMS Committee. This list is shown in *Table TM-1*.

**Table TM-1: List of Potentially Feasible Water Management Strategies****Conservation**

Industrial Conservation  
 Irrigation Conservation  
 Municipal Conservation

**Contractual Transfer**

TRA to COH Transfer

**Conveyance**

CHCRWA Transmission and Distribution Expansion  
 COH, NHCRA, and CHCRWA Shared Transmission  
 East Texas Transfer  
 GCWA Treated Water from LNVA<sup>1</sup>  
 Jersey Village Second Connection<sup>2</sup>  
 Lake Livingston to SJRA Transfer  
 Luce Bayou Interbasin Transfer  
 NFBWA Phase 2 Distribution Segments  
 NHCRA Distribution Expansion  
 NHCRA Transmission Line  
 Old Galveston Road Transmission Improvements  
 WHCRA Distribution Expansion  
 WHCRA/NFBWA Transmission Line

**Groundwater Development**

Aquifer Storage and Recovery<sup>1</sup>  
 Brackish Groundwater Development  
 BWA Brackish Groundwater  
 Conroe Brackish Groundwater Desalination  
 Expanded Use of Groundwater  
 Forestar Houston County Project<sup>1</sup>  
 Forestar Liberty County Project<sup>1</sup>  
 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 GRP  
 Fort Bend County MUD 25 GRP  
 Fort Bend County WC&ID No. 2 GRP  
 NFBWA GRP  
 NHCRA GRP  
 Panorama Village and Shenandoah Joint GRP  
 Porter SUD Joint GRP  
 River Plantation and East Plantation Joint GRP  
 SJRA GRP  
 WHCRA GRP

**Reuse**

City of Conroe Reuse  
 City of Houston Reuse  
 City of Pearland Reuse  
 GCWA Reclaimed Water from COH

Grand Lakes Reclaimed Water System  
Montgomery County MUDs #8 and #9 Reuse  
San Jacinto Basin Regional Return Flows  
SJRA Conroe Reuse Project  
Wastewater Reclamation for Industry<sup>1</sup>  
Wastewater Reclamation for Municipal Irrigation  
WHCRWA Reuse<sup>2</sup>

#### Surface Water Development

Allens Creek Reservoir  
BRA System Operation Permit  
Dow Reservoir and Pump Station Expansion  
Freeport Seawater Desalination  
Lake Somerville Augmentation<sup>1</sup>  
Little River Off-Channel Reservoir<sup>1</sup>  
Lone Star Lake<sup>1</sup>

#### Treatment

BWA Treatment Plant Expansion  
City of Houston Treatment Expansion  
CLCND West Chambers System  
Northeast Water Purification Plant Expansion  
Pearland Surface Water Treatment Plant

#### Other Infrastructure

Brazos Saltwater Barrier

#### Notes:

1. *Considered but not recommended in the Region H 2016 RWP.*
2. *Requested through the 2017 Region H WUG survey.*

The identification and evaluation of WMS requires a designated methodology to be identified by the RWPG. The RHWP also considered and approved a methodology recommended by the Region H WMS Committee on December 6, 2017. This methodology is adapted with only minimal revision from the methodology employed in the development of the 2016 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 INTENTION TO PURSUE SIMPLIFIED PLANNING FOR THE 2021 REGIONAL WATER PLAN**

The RHWPG is aware of the opportunity for regions to follow a simplified planning approach. This alternative is available to RWPGs if there are no significant changes to the water availability, water supplies, or water demands in the regional water planning area. In Region H, both surface water and groundwater supplies have been changed since the 2016 RWP due to updated surface water modeling performed by the RHWPG and updated MAG values available from TWDB. Additionally, the pending approvals of MAG peak factors would further affect source availability in the region. WMS analyses for the 2021 Region H RWP have also already been initiated. For these reasons, the RHWPG took formal action at a public meeting on August 1, 2018 and elected to forgo the simplified planning option.

## **TM.7 PUBLIC PROCESS**

The RHWPG posted notice of its August 1, 2018 public meeting for consideration of RWPG Technical Memorandum approval and the decision to forgo simplified planning. Public comment was accepted prior to the meeting as well as through August 17, 2018. No public comments regarding the Technical Memorandum or simplified planning were received by the RHWPG.

**APPENDIX TM-A**

**TWDB DB22 Reports Related to Population and Demands**

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**APPENDIX TM-A1  
TWDB DB22 REPORT:  
WUG POPULATION PROJECTIONS**

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### Region H Water User Group (WUG) Population

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
AUSTIN COUNTY WSC	1,570	1,819	2,087	2,401	2,745	3,127
BELLVILLE	4,062	4,366	4,694	5,079	5,500	5,969
SEALY	6,740	7,576	8,474	9,526	10,681	11,962
WEST END WSC	1,646	1,877	2,090	2,316	2,550	2,793
COUNTY-OTHER	13,646	16,392	19,366	22,873	26,736	31,037
<b>BRAZOS BASIN TOTAL</b>	<b>27,664</b>	<b>32,030</b>	<b>36,711</b>	<b>42,195</b>	<b>48,212</b>	<b>54,888</b>
AUSTIN COUNTY WSC	128	148	170	196	224	255
SEALY	14	16	18	20	22	25
WALLIS	1,329	1,416	1,510	1,620	1,740	1,874
COUNTY-OTHER	3,556	4,271	5,047	5,961	6,967	8,088
<b>BRAZOS-COLORADO BASIN TOTAL</b>	<b>5,027</b>	<b>5,851</b>	<b>6,745</b>	<b>7,797</b>	<b>8,953</b>	<b>10,242</b>
WEST END WSC	189	215	240	266	293	321
COUNTY-OTHER	134	161	190	225	263	305
<b>COLORADO BASIN TOTAL</b>	<b>323</b>	<b>376</b>	<b>430</b>	<b>491</b>	<b>556</b>	<b>626</b>
<b>AUSTIN COUNTY TOTAL</b>	<b>33,014</b>	<b>38,257</b>	<b>43,886</b>	<b>50,483</b>	<b>57,721</b>	<b>65,756</b>
BRAZORIA	677	697	713	726	738	748
FREEPORT	1,336	1,417	1,491	1,560	1,627	1,693
LAKE JACKSON	179	184	190	196	202	209
VARNER CREEK UD	1,509	1,512	1,514	1,516	1,517	1,518
WEST COLUMBIA	3,341	3,355	3,372	3,393	3,415	3,440
COUNTY-OTHER	6,369	7,399	8,932	10,458	12,021	13,669
<b>BRAZOS BASIN TOTAL</b>	<b>13,411</b>	<b>14,564</b>	<b>16,212</b>	<b>17,849</b>	<b>19,520</b>	<b>21,277</b>
BRAZORIA	2,444	2,515	2,572	2,621	2,662	2,700
FREEPORT	6	6	7	7	7	8
SWEENEY	3,601	3,613	3,627	3,643	3,660	3,679
WEST COLUMBIA	606	609	612	615	619	624
COUNTY-OTHER	24,800	29,991	34,767	39,355	43,939	48,667
<b>BRAZOS-COLORADO BASIN TOTAL</b>	<b>31,457</b>	<b>36,734</b>	<b>41,585</b>	<b>46,241</b>	<b>50,887</b>	<b>55,678</b>
ALVIN	26,830	28,832	31,157	34,065	37,803	42,709
ANGLETON	18,628	18,769	18,900	19,037	19,180	19,333
BRAZORIA COUNTY MUD 2	4,051	4,051	4,053	4,056	4,059	4,062
BRAZORIA COUNTY MUD 21	4,371	4,560	4,915	5,270	5,625	5,858
BRAZORIA COUNTY MUD 25	4,255	4,863	5,484	6,143	6,873	7,667
BRAZORIA COUNTY MUD 29	4,439	7,241	9,784	9,784	9,784	9,784
BRAZORIA COUNTY MUD 3	4,231	4,238	4,306	4,373	4,440	4,530
BRAZORIA COUNTY MUD 31	1,553	1,770	2,093	2,382	2,648	2,813
BRAZORIA COUNTY MUD 6	5,881	5,881	5,901	5,922	5,944	5,972
CLUTE	11,508	11,900	12,328	12,782	13,267	13,787
DANBURY	1,722	1,722	1,722	1,723	1,723	1,724
FREEPORT	11,904	12,628	13,284	13,899	14,493	15,084
HILLCREST VILLAGE	743	744	746	747	749	750

### Region H Water User Group (WUG) Population

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
LAKE JACKSON	26,769	27,541	28,361	29,254	30,225	31,284
MANVEL	913	1,490	2,013	2,603	3,295	4,152
OYSTER CREEK	1,170	1,193	1,222	1,258	1,302	1,355
PEARLAND	108,826	115,751	124,750	134,516	145,261	155,560
QUADVEST	676	889	1,140	1,437	1,798	2,185
RICHWOOD	3,785	3,941	4,097	4,264	4,444	4,636
SEDONA LAKES MUD 1	1,148	1,312	1,481	1,658	1,853	2,068
SURFSIDE BEACH	723	826	826	826	826	826
TDCJ RAMSEY AREA	1,863	1,863	1,863	1,863	1,863	1,863
COUNTY-OTHER	69,078	98,084	125,663	157,744	193,506	233,611
<b>SAN JACINTO-BRAZOS BASIN TOTAL</b>	<b>315,067</b>	<b>360,089</b>	<b>406,089</b>	<b>455,606</b>	<b>510,961</b>	<b>571,613</b>
<b>BRAZORIA COUNTY TOTAL</b>	<b>359,935</b>	<b>411,387</b>	<b>463,886</b>	<b>519,696</b>	<b>581,368</b>	<b>648,568</b>
ANAHUAC	1,938	1,964	1,992	2,021	2,052	2,086
TRINITY BAY CONSERVATION DISTRICT	9,353	11,212	13,135	15,204	17,418	19,743
COUNTY-OTHER	1,074	1,289	1,512	1,752	2,009	2,278
<b>NECHES-TRINITY BASIN TOTAL</b>	<b>12,365</b>	<b>14,465</b>	<b>16,639</b>	<b>18,977</b>	<b>21,479</b>	<b>24,107</b>
ANAHUAC	452	458	464	471	479	486
MONT BELVIEU	4,763	6,090	7,462	8,941	10,521	12,181
TRINITY BAY CONSERVATION DISTRICT	2,442	2,928	3,429	3,970	4,548	5,155
COUNTY-OTHER	9,257	11,114	13,036	15,102	17,311	19,633
<b>TRINITY BASIN TOTAL</b>	<b>16,914</b>	<b>20,590</b>	<b>24,391</b>	<b>28,484</b>	<b>32,859</b>	<b>37,455</b>
BAYTOWN	4,857	5,746	6,664	7,653	8,711	9,822
CHAMBERS COUNTY MUD 1	3,197	3,832	4,489	5,197	5,954	6,748
MONT BELVIEU	1,431	1,830	2,242	2,686	3,161	3,660
COUNTY-OTHER	3,398	4,080	4,785	5,544	6,355	7,207
<b>TRINITY-SAN JACINTO BASIN TOTAL</b>	<b>12,883</b>	<b>15,488</b>	<b>18,180</b>	<b>21,080</b>	<b>24,181</b>	<b>27,437</b>
<b>CHAMBERS COUNTY TOTAL</b>	<b>42,162</b>	<b>50,543</b>	<b>59,210</b>	<b>68,541</b>	<b>78,519</b>	<b>88,999</b>
FIRST COLONY MUD 9	2,391	2,550	2,550	2,550	2,550	2,550
FORT BEND COUNTY FWSD 2	2,515	3,122	3,590	4,054	4,516	5,004
FORT BEND COUNTY MUD 115	1,237	1,374	1,374	1,374	1,374	1,374
FORT BEND COUNTY MUD 116	3,965	4,500	5,287	5,902	6,518	7,132
FORT BEND COUNTY MUD 121	3,762	3,762	3,762	3,762	3,762	3,762
FORT BEND COUNTY MUD 128	4,302	4,302	4,302	4,302	4,302	4,302
FORT BEND COUNTY MUD 129	4,671	4,671	4,671	4,671	4,671	4,671
FORT BEND COUNTY MUD 140	3,000	3,000	3,000	3,000	3,000	3,000
FORT BEND COUNTY MUD 149	1,969	2,447	2,814	2,814	2,814	2,814
FORT BEND COUNTY MUD 152	769	955	1,098	1,098	1,098	1,098
FORT BEND COUNTY MUD 155	2,366	2,938	3,379	3,379	3,379	3,379
FORT BEND COUNTY MUD 158	1,242	1,542	1,773	1,773	1,773	1,773
FORT BEND COUNTY MUD 162	2,740	3,402	3,912	3,912	3,912	3,912

### Region H Water User Group (WUG) Population

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
FORT BEND COUNTY MUD 187	3,632	3,632	3,632	3,632	3,632	3,632
FORT BEND COUNTY MUD 25	1,499	1,513	1,537	1,564	1,593	1,622
FORT BEND COUNTY MUD 46	278	341	402	402	402	402
FORT BEND COUNTY MUD 5	3,333	4,084	4,084	4,084	4,084	4,084
FORT BEND COUNTY MUD 81	2,509	2,671	2,889	3,108	3,326	3,545
FORT BEND COUNTY WCID 3	823	1,022	1,022	1,022	1,022	1,022
FULSHEAR	2,374	5,685	5,859	5,859	5,859	5,859
NEEDVILLE	1,290	1,307	1,329	1,362	1,412	1,486
NORTH FORT BEND WATER AUTHORITY	10,027	13,892	16,915	18,669	19,604	20,081
PECAN GROVE MUD 1	12,977	13,006	13,057	13,101	13,139	13,172
PLANTATION MUD	4,084	4,084	4,084	4,084	4,084	4,084
QUADVEST	1,666	2,191	2,811	3,543	4,433	5,386
RICHMOND	12,916	13,426	14,072	14,973	15,870	16,762
ROSENBERG	40,381	42,557	44,925	47,374	50,223	53,650
ROYAL VALLEY UTILITIES	2,046	2,539	2,919	2,919	2,919	2,919
SIENNA PLANTATION	5,853	7,486	10,189	12,893	15,596	18,091
SUGAR LAND	86,394	91,956	97,830	103,920	109,231	112,718
TDCJ JESTER UNITS	1,476	1,476	1,476	1,476	1,476	1,476
COUNTY-OTHER	68,293	126,660	133,611	172,796	232,171	306,653
<b>BRAZOS BASIN TOTAL</b>	<b>296,780</b>	<b>378,093</b>	<b>404,155</b>	<b>459,372</b>	<b>533,745</b>	<b>621,415</b>
KENDLETON	573	711	817	923	1,028	1,139
NEEDVILLE	1,557	1,578	1,604	1,645	1,705	1,794
ROSENBERG	3	3	3	4	4	4
COUNTY-OTHER	10,723	17,726	30,228	48,544	75,384	114,718
<b>BRAZOS-COLORADO BASIN TOTAL</b>	<b>12,856</b>	<b>20,018</b>	<b>32,652</b>	<b>51,116</b>	<b>78,121</b>	<b>117,655</b>
BLUE RIDGE WEST MUD	8,345	8,345	8,345	8,345	8,345	8,345
FORT BEND COUNTY WCID 2	8,698	10,800	12,419	14,023	15,619	17,310
FULSHEAR	699	1,429	2,160	2,160	2,160	2,160
HOUSTON	24,710	26,192	27,387	28,445	29,308	29,964
KATY	6,914	16,062	16,150	16,219	16,273	16,316
MEADOWS PLACE	4,323	4,408	4,497	4,587	4,678	4,771
NORTH FORT BEND WATER AUTHORITY	145,165	201,118	244,893	270,279	283,810	290,715
SUGAR LAND	3,980	3,982	3,983	3,985	3,986	3,988
WEST HARRIS COUNTY REGIONAL WATER AUTHORITY	10,966	11,238	11,293	11,356	11,448	11,545
COUNTY-OTHER	2,447	2,455	2,407	2,041	1,408	945
<b>SAN JACINTO BASIN TOTAL</b>	<b>216,247</b>	<b>286,029</b>	<b>333,534</b>	<b>361,440</b>	<b>377,035</b>	<b>386,059</b>
BLUE RIDGE WEST MUD	732	732	732	732	732	732
FIRST COLONY MUD 9	7,641	8,150	8,150	8,150	8,150	8,150
FORT BEND COUNTY FWSD 1	1,184	1,470	1,691	1,909	2,127	2,357
FORT BEND COUNTY MUD 115	653	725	725	725	725	725
FORT BEND COUNTY MUD 23	11,709	12,481	12,902	13,323	13,744	14,164

### Region H Water User Group (WUG) Population

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
FORT BEND COUNTY MUD 24	1,447	1,797	2,066	2,066	2,066	2,066
FORT BEND COUNTY MUD 25	10,455	10,555	10,717	10,910	11,108	11,309
FORT BEND COUNTY MUD 26	5,276	6,460	7,626	7,626	7,626	7,626
FORT BEND COUNTY MUD 42	4,530	5,547	5,547	5,547	5,547	5,547
FORT BEND COUNTY MUD 46	1,929	2,363	2,789	2,789	2,789	2,789
FORT BEND COUNTY MUD 47	1,417	1,735	2,048	2,048	2,048	2,048
FORT BEND COUNTY MUD 48	3,493	3,493	3,493	3,493	3,493	3,493
FORT BEND COUNTY MUD 49	1,354	1,657	1,657	1,657	1,657	1,657
FORT BEND COUNTY WCID 2	34,914	43,352	49,852	56,289	62,697	69,481
FORT BEND COUNTY WCID 3	89	110	110	110	110	110
FULSHEAR	13,238	17,440	17,709	17,709	17,709	17,709
HOUSTON	15,919	16,874	17,643	18,326	18,882	19,303
MEADOWCREEK MUD	2,882	3,529	3,529	3,529	3,529	3,529
MEADOWS PLACE	384	392	399	407	415	424
MISSOURI CITY	2,741	3,403	3,913	4,419	4,921	5,454
NORTH FORT BEND WATER AUTHORITY	118,397	164,033	199,735	220,440	231,476	237,108
PALMER PLANTATION MUD 1	2,179	2,667	2,667	2,667	2,667	2,667
PALMER PLANTATION MUD 2	2,956	2,956	2,956	2,956	2,956	2,956
PEARLAND	3,811	4,097	5,072	6,047	7,026	8,163
PECAN GROVE MUD 1	101	101	102	102	102	103
QUAIL VALLEY UD	14,534	17,795	21,007	21,007	21,007	21,007
SIENNA PLANTATION	15,890	20,323	27,663	35,001	42,342	49,113
SUGAR LAND	41,724	46,298	47,395	48,125	48,528	48,967
TDCJ JESTER UNITS	2,199	2,199	2,199	2,199	2,199	2,199
THUNDERBIRD UD	6,681	8,180	8,180	8,180	8,180	8,180
COUNTY-OTHER	25,624	69	18,692	41,517	58,323	70,899
<b>SAN JACINTO-BRAZOS BASIN TOTAL</b>	<b>356,083</b>	<b>410,983</b>	<b>488,966</b>	<b>550,005</b>	<b>594,881</b>	<b>630,035</b>
<b>FORT BEND COUNTY TOTAL</b>	<b>881,966</b>	<b>1,095,123</b>	<b>1,259,307</b>	<b>1,421,933</b>	<b>1,583,782</b>	<b>1,755,164</b>
BOLIVAR PENINSULA SUD	2,943	3,480	4,118	4,875	5,771	6,835
COUNTY-OTHER	38	50	66	86	110	138
<b>NECHES-TRINITY BASIN TOTAL</b>	<b>2,981</b>	<b>3,530</b>	<b>4,184</b>	<b>4,961</b>	<b>5,881</b>	<b>6,973</b>
BACLIFF MUD	7,310	7,416	7,524	7,633	7,742	7,850
BAYVIEW MUD	1,727	1,896	2,030	2,149	2,247	2,338
FRIENDSWOOD	31,628	33,525	35,685	38,039	40,622	43,474
GALVESTON	51,260	54,643	57,846	60,955	63,941	67,085
GALVESTON COUNTY FWSD 6	1,800	1,813	1,828	1,841	1,847	1,855
GALVESTON COUNTY MUD 12	2,273	2,278	2,282	2,285	2,288	2,290
GALVESTON COUNTY WCID 1	26,675	30,240	33,805	37,370	40,935	44,500
GALVESTON COUNTY WCID 12	8,229	10,263	10,562	10,801	10,996	11,159
GALVESTON COUNTY WCID 8	5,718	5,888	6,098	6,313	6,529	6,750

### Region H Water User Group (WUG) Population

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
HITCHCOCK	8,451	10,036	11,048	11,839	12,467	12,971
JAMAICA BEACH	987	996	1,005	1,015	1,028	1,042
LA MARQUE	21,572	23,566	24,058	24,467	24,813	25,115
LEAGUE CITY	106,553	120,036	130,484	139,048	143,972	147,342
SAN LEON MUD	5,627	6,153	6,560	6,966	7,371	7,778
TEXAS CITY	51,383	56,490	60,731	64,391	67,626	70,558
COUNTY-OTHER	9,396	8,604	8,090	7,474	6,821	6,113
<b>SAN JACINTO-BRAZOS BASIN TOTAL</b>	<b>340,589</b>	<b>373,843</b>	<b>399,636</b>	<b>422,586</b>	<b>441,245</b>	<b>458,220</b>
<b>GALVESTON COUNTY TOTAL</b>	<b>343,570</b>	<b>377,373</b>	<b>403,820</b>	<b>427,547</b>	<b>447,126</b>	<b>465,193</b>
BAKER ROAD MUD	1,108	1,190	1,190	1,190	1,190	1,190
BAYTOWN	3,125	3,173	3,227	3,282	3,338	3,394
BELLAIRE	18,921	20,564	22,361	24,315	26,448	28,776
BLUE BELL MANOR UTILITY	2,778	2,877	3,041	3,218	3,401	3,559
BUNKER HILL VILLAGE	3,890	4,198	4,532	4,893	5,282	5,702
CENTRAL HARRIS COUNTY REGIONAL WATER AUTHORITY	56,617	61,872	65,549	68,972	72,130	75,453
CHIMNEY HILL MUD	5,366	5,449	5,523	5,606	5,697	5,797
CROSBY MUD	2,969	3,158	3,220	3,282	3,344	3,408
DEER PARK	10,502	11,106	11,569	12,078	12,475	12,855
DOUGLAS UTILITY	2,565	2,581	2,597	2,615	2,633	2,653
EL DORADO UD	4,377	4,569	4,768	4,965	5,042	5,042
FOREST HILLS MUD	3,274	3,519	3,740	3,740	3,740	3,740
FORT BEND COUNTY WCID 2	1,957	2,430	2,795	3,155	3,515	3,895
GALENA PARK	10,887	11,092	11,303	11,520	11,742	11,969
GREEN TRAILS MUD	2,070	2,080	2,100	2,116	2,127	2,135
GREENWOOD UD	4,630	5,324	5,389	5,456	5,522	5,591
HARRIS COUNTY FWSD 58	1,868	2,007	2,133	2,253	2,371	2,489
HARRIS COUNTY MUD 106	5,110	5,187	5,392	5,539	5,648	5,729
HARRIS COUNTY MUD 11	3,206	3,296	3,414	3,541	3,677	3,823
HARRIS COUNTY MUD 119	7,484	7,727	8,013	8,321	8,534	8,723
HARRIS COUNTY MUD 122	1,400	1,714	2,023	2,023	2,023	2,023
HARRIS COUNTY MUD 132	5,944	6,031	6,083	6,120	6,147	6,169
HARRIS COUNTY MUD 148	4,548	4,792	4,834	4,878	4,923	4,970
HARRIS COUNTY MUD 151	6,472	6,538	6,592	6,632	6,661	6,683
HARRIS COUNTY MUD 152	8,031	8,234	8,528	8,756	8,926	9,053
HARRIS COUNTY MUD 153	7,702	7,707	7,731	7,748	7,762	7,771
HARRIS COUNTY MUD 154	8,182	8,274	8,491	8,723	8,972	9,239
HARRIS COUNTY MUD 158	6,376	6,376	6,376	6,376	6,376	6,376
HARRIS COUNTY MUD 180	6,092	6,608	7,000	7,067	7,067	7,067
HARRIS COUNTY MUD 189	3,982	4,224	4,383	4,552	4,729	4,916
HARRIS COUNTY MUD 216	1,074	1,154	1,154	1,154	1,154	1,154

### Region H Water User Group (WUG) Population

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
HARRIS COUNTY MUD 221	4,559	4,959	5,145	5,322	5,495	5,666
HARRIS COUNTY MUD 23	4,891	5,256	5,256	5,256	5,256	5,256
HARRIS COUNTY MUD 278	12,191	16,255	16,255	16,255	16,255	16,255
HARRIS COUNTY MUD 290	5,770	6,029	6,305	6,511	6,662	6,776
HARRIS COUNTY MUD 321	1,500	1,991	2,151	2,308	2,308	2,308
HARRIS COUNTY MUD 342	3,874	4,184	4,490	4,490	4,490	4,490
HARRIS COUNTY MUD 344	3,826	4,474	4,474	4,474	4,474	4,474
HARRIS COUNTY MUD 345	3,981	3,981	3,981	3,981	3,981	3,981
HARRIS COUNTY MUD 36	1,581	1,708	1,708	1,708	1,708	1,708
HARRIS COUNTY MUD 361	3,218	3,476	3,476	3,476	3,476	3,476
HARRIS COUNTY MUD 372	4,155	4,155	4,155	4,155	4,155	4,155
HARRIS COUNTY MUD 400	7,646	8,227	8,692	9,093	9,314	9,414
HARRIS COUNTY MUD 412	2,606	2,800	2,975	3,143	3,306	3,471
HARRIS COUNTY MUD 420	1,563	1,679	1,784	1,784	1,784	1,784
HARRIS COUNTY MUD 46	3,743	3,751	3,753	3,755	3,756	3,757
HARRIS COUNTY MUD 49	6,952	7,234	7,445	7,609	7,738	7,842
HARRIS COUNTY MUD 5	6,281	6,600	7,024	7,478	7,966	8,490
HARRIS COUNTY MUD 50	3,165	3,197	3,264	3,311	3,321	3,333
HARRIS COUNTY MUD 58	2,224	2,389	2,540	2,540	2,540	2,540
HARRIS COUNTY MUD 6	4,345	4,668	4,668	4,668	4,668	4,668
HARRIS COUNTY MUD 8	4,617	4,618	4,619	4,620	4,620	4,622
HARRIS COUNTY MUD 96	6,783	7,033	7,497	8,045	8,570	8,959
HARRIS COUNTY UD 14	3,228	3,534	3,845	4,209	4,657	5,342
HARRIS COUNTY UD 15	3,603	3,926	4,364	4,364	4,364	4,364
HARRIS COUNTY WCID 1	7,030	7,220	7,454	7,689	7,926	8,162
HARRIS COUNTY WCID 133	5,455	5,507	5,752	6,205	6,694	7,220
HARRIS COUNTY WCID 70	1,536	1,650	1,650	1,650	1,650	1,650
HARRIS COUNTY WCID 74	5,500	5,500	5,500	5,500	5,500	5,500
HARRIS COUNTY WCID 96	8,957	8,957	8,957	8,957	8,957	8,957
HARRIS COUNTY WCID-FONDREN ROAD	3,703	4,534	5,352	5,352	5,352	5,352
HILSHIRE VILLAGE	749	791	857	951	1,051	1,160
HMW SUD	3,053	3,666	4,340	5,124	5,124	5,124
HOUSTON	2,081,348	2,249,878	2,413,878	2,579,688	2,749,185	2,927,448
HUMBLE	17,428	21,152	23,856	25,864	27,358	28,472
JACINTO CITY	10,527	10,829	11,143	11,463	11,793	12,134
JERSEY VILLAGE	7,959	8,028	8,179	8,344	8,525	8,724
KATY	13,348	14,044	14,569	15,031	15,451	15,844
KINGS MANOR MUD	1,308	1,308	1,308	1,308	1,308	1,308
LA PORTE	2,225	2,274	2,308	2,362	2,394	2,425
LAKE MUD	259	278	278	278	278	278
LONGHORN TOWN UD	1,574	1,574	1,574	1,574	1,574	1,574

## Region H Water User Group (WUG) Population

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
LUCE BAYOU PUD	781	839	891	891	891	891
MASON CREEK UD	7,547	7,547	7,547	7,547	7,547	7,547
MEMORIAL VILLAGES WATER AUTHORITY	10,219	11,083	12,024	13,047	14,156	15,363
MORGANS POINT	63	68	73	77	81	85
MOUNT HOUSTON ROAD MUD	6,340	7,809	8,865	9,651	10,238	10,669
NEWPORT MUD	9,468	9,785	10,031	10,277	10,523	10,770
NORTH BELT UD	2,705	2,722	2,793	2,870	2,954	3,043
NORTH CHANNEL WATER AUTHORITY	82,325	84,754	86,982	89,192	91,386	93,191
NORTH FOREST MUD	1,500	1,527	1,527	1,527	1,527	1,527
NORTH FORT BEND WATER AUTHORITY	8,522	8,572	8,613	8,654	8,695	8,735
NORTH GREEN MUD	4,239	4,296	4,353	4,415	4,477	4,534
NORTH HARRIS COUNTY REGIONAL WATER AUTHORITY	726,235	775,561	815,947	850,281	880,552	908,198
NORTHWEST HARRIS COUNTY MUD 16	3,566	3,831	3,831	3,831	3,831	3,831
PARKWAY MUD	5,970	6,282	6,328	6,375	6,421	6,468
PASADENA	114,138	117,664	120,836	124,327	127,614	131,008
PINE VILLAGE PUD	2,286	2,455	2,610	2,756	2,900	3,045
PINEWOOD COMMUNITY	1,201	1,290	1,290	1,290	1,290	1,290
QUADVEST	772	1,015	1,302	1,641	2,053	2,495
ROLLING FORK PUD	2,625	2,625	2,625	2,625	2,625	2,625
SEQUOIA IMPROVEMENT DISTRICT	1,026	1,102	1,172	1,172	1,172	1,172
SOUTH HOUSTON	16,774	17,346	17,937	18,551	19,186	19,841
SOUTHERN WATER	4,366	4,690	4,690	4,690	4,690	4,690
SOUTHSIDE PLACE	2,251	2,251	2,251	2,251	2,323	2,500
SOUTHWEST HARRIS COUNTY MUD 1	1,934	2,368	2,368	2,368	2,368	2,368
SPRING VALLEY	3,870	4,202	4,541	4,885	5,258	5,660
SUBURBAN UTILITY	3,470	3,470	3,470	3,470	3,470	3,470
SUNBELT FWSD	27,671	29,105	30,496	32,092	33,934	35,955
THE COMMONS WATER SUPPLY	3,346	3,528	3,674	3,783	3,864	3,922
THE WOODLANDS	16,144	17,484	19,174	20,436	21,378	22,083
TOMBALL	12,742	13,457	14,110	14,677	15,182	15,644
TRAIL OF THE LAKES MUD	9,058	9,453	9,578	9,671	9,740	9,791
WALLER	479	493	514	541	575	618
WEST HARRIS COUNTY MUD 6	2,719	2,943	3,079	3,181	3,257	3,313
WEST HARRIS COUNTY REGIONAL WATER AUTHORITY	552,002	579,386	619,208	659,758	673,791	686,030
WEST UNIVERSITY PLACE	15,189	16,357	17,629	19,000	20,478	22,074
WOODCREEK MUD	3,191	3,210	3,239	3,267	3,300	3,334
COUNTY-OTHER	102,202	132,483	142,175	146,571	173,169	198,044
<b>SAN JACINTO BASIN TOTAL</b>	<b>4,259,704</b>	<b>4,581,418</b>	<b>4,869,645</b>	<b>5,145,619</b>	<b>5,414,476</b>	<b>5,685,631</b>
BAYBROOK MUD 1	870	911	1,019	1,099	1,171	1,245
CLEAR BROOK CITY MUD	18,726	19,140	21,491	23,082	24,365	25,572
CLEAR LAKE CITY WATER AUTHORITY	70,552	72,792	78,070	82,541	86,841	91,177

## Region H Water User Group (WUG) Population

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
DEER PARK	22,427	23,716	24,707	25,791	26,640	27,453
FRIENDSWOOD	11,473	13,988	15,621	17,458	19,075	20,868
HARRIS COUNTY MUD 55	13,959	14,955	15,697	16,785	18,055	19,802
HARRIS COUNTY WCID 156	1,336	1,450	1,541	1,644	1,730	1,816
HARRIS COUNTY WCID 50	2,941	2,990	3,003	3,045	3,058	3,071
HARRIS COUNTY WCID 89	6,116	6,239	6,287	6,411	6,448	6,484
HOUSTON	77,275	83,532	89,621	95,777	102,070	108,688
KIRK MONT MUD	2,241	2,483	2,689	2,936	3,173	3,429
LA PORTE	31,478	32,175	32,655	33,423	33,867	34,304
LEAGUE CITY	2,855	3,265	3,500	3,713	3,841	3,936
MORGANS POINT	378	411	436	464	489	513
NASSAU BAY	3,977	4,075	4,127	4,222	4,276	4,331
PASADENA	33,600	34,638	35,572	36,599	37,567	38,566
PEARLAND	15,113	19,037	22,958	26,112	28,286	29,900
SAGEMEADOW UD	6,264	6,776	7,339	7,971	8,530	9,100
SEABROOK	12,358	12,687	12,914	13,279	13,517	13,759
SHOREACRES	1,466	1,493	1,515	1,553	1,576	1,599
WEBSTER	14,756	16,010	16,892	17,759	18,312	18,755
COUNTY-OTHER	1,887	3,047	2,859	317	1,737	3,083
<b>SAN JACINTO-BRAZOS BASIN TOTAL</b>	<b>352,048</b>	<b>375,810</b>	<b>400,513</b>	<b>421,981</b>	<b>444,624</b>	<b>467,451</b>
BAYTOWN	67,572	68,609	69,781	70,970	72,175	73,396
COUNTRY TERRACE WATER	1,612	1,732	1,841	1,944	2,045	2,147
HARRIS COUNTY FWSD 1-A	1,639	1,761	1,871	1,976	2,080	2,183
HARRIS COUNTY FWSD 27	2,251	2,419	2,571	2,715	2,857	2,999
HARRIS COUNTY WCID 1	322	328	346	363	379	395
HOUSTON	236	255	274	293	312	332
LAKE MUD	3,536	3,798	3,798	3,798	3,798	3,798
SPRING MEADOWS MUD	3,823	4,107	4,107	4,107	4,107	4,107
COUNTY-OTHER	15,127	17,907	21,352	24,476	27,215	29,907
<b>TRINITY-SAN JACINTO BASIN TOTAL</b>	<b>96,118</b>	<b>100,916</b>	<b>105,941</b>	<b>110,642</b>	<b>114,968</b>	<b>119,264</b>
<b>HARRIS COUNTY TOTAL</b>	<b>4,707,870</b>	<b>5,058,144</b>	<b>5,376,099</b>	<b>5,678,242</b>	<b>5,974,068</b>	<b>6,272,346</b>
CONCORD-ROBBINS WSC	3,579	3,734	3,858	4,031	4,179	4,322
HILLTOP LAKES WSC	1,298	1,392	1,468	1,573	1,664	1,752
JEWETT	449	534	603	697	779	858
NORMANGEE	165	177	186	200	211	223
SOUTHEAST WSC	29	31	33	35	37	39
COUNTY-OTHER	492	488	483	474	468	464
<b>BRAZOS BASIN TOTAL</b>	<b>6,012</b>	<b>6,356</b>	<b>6,631</b>	<b>7,010</b>	<b>7,338</b>	<b>7,658</b>
BUFFALO	1,970	2,020	2,059	2,113	2,161	2,207
CENTERVILLE	1,089	1,169	1,232	1,320	1,397	1,471
CONCORD-ROBBINS WSC	990	1,031	1,067	1,113	1,154	1,196



### Region H Water User Group (WUG) Population

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
FLO COMMUNITY WSC	2,625	3,115	3,616	4,122	4,634	5,149
JEWETT	1,242	1,477	1,667	1,928	2,153	2,374
NORMANGEE	496	532	561	601	636	669
SOUTHEAST WSC	2,025	2,172	2,290	2,454	2,595	2,733
COUNTY-OTHER	1,762	1,664	1,480	1,410	1,272	1,125
<b>TRINITY BASIN TOTAL</b>	<b>12,199</b>	<b>13,180</b>	<b>13,972</b>	<b>15,061</b>	<b>16,002</b>	<b>16,924</b>
<b>LEON COUNTY TOTAL</b>	<b>18,211</b>	<b>19,536</b>	<b>20,603</b>	<b>22,071</b>	<b>23,340</b>	<b>24,582</b>
DAISETTA	396	446	494	541	587	631
DEVERS	17	19	21	23	25	27
HARDIN WSC	263	329	392	456	516	574
LIBERTY COUNTY FWSD 1 HULL	679	764	845	928	1,006	1,081
WEST HARDIN WSC	312	345	376	409	439	468
COUNTY-OTHER	243	264	284	303	321	337
<b>NECHES BASIN TOTAL</b>	<b>1,910</b>	<b>2,167</b>	<b>2,412</b>	<b>2,660</b>	<b>2,894</b>	<b>3,118</b>
COUNTY-OTHER	110	120	129	137	145	152
<b>NECHES-TRINITY BASIN TOTAL</b>	<b>110</b>	<b>120</b>	<b>129</b>	<b>137</b>	<b>145</b>	<b>152</b>
CLEVELAND	7,730	7,851	7,966	8,081	8,191	8,297
MERCY WSC	219	241	258	278	294	308
SOUTH CLEVELAND WSC	2,524	2,844	3,148	3,453	3,745	4,024
T & W WATER SERVICE	776	980	1,206	1,472	1,796	2,182
TARKINGTON SUD	3,071	3,608	4,118	4,630	5,121	5,589
COUNTY-OTHER	10,649	11,582	12,445	13,294	14,064	14,751
<b>SAN JACINTO BASIN TOTAL</b>	<b>24,969</b>	<b>27,106</b>	<b>29,141</b>	<b>31,208</b>	<b>33,211</b>	<b>35,151</b>
DAISETTA	707	796	881	967	1,048	1,126
DAYTON	10,726	13,928	16,976	20,032	22,957	25,753
DEVERS	756	852	944	1,035	1,122	1,205
HARDIN WSC	4,713	5,902	7,034	8,168	9,256	10,294
LAKE LIVINGSTON WSC	1,330	1,495	1,659	1,833	2,017	2,209
LIBERTY	9,270	10,008	10,711	11,416	12,090	12,734
LIBERTY COUNTY FWSD 1 HULL	27	30	34	37	40	43
T & W WATER SERVICE	652	823	1,013	1,236	1,509	1,833
TARKINGTON SUD	917	1,077	1,230	1,383	1,529	1,669
WOODCREEK WATER OF LIBERTY	2,888	3,195	3,503	3,797	4,091	4,385
COUNTY-OTHER	24,205	26,324	28,288	30,219	31,967	33,529
<b>TRINITY BASIN TOTAL</b>	<b>56,191</b>	<b>64,430</b>	<b>72,273</b>	<b>80,123</b>	<b>87,626</b>	<b>94,780</b>
DAYTON	33	43	52	62	71	79
COUNTY-OTHER	3,090	3,361	3,611	3,858	4,081	4,280
<b>TRINITY-SAN JACINTO BASIN TOTAL</b>	<b>3,123</b>	<b>3,404</b>	<b>3,663</b>	<b>3,920</b>	<b>4,152</b>	<b>4,359</b>
<b>LIBERTY COUNTY TOTAL</b>	<b>86,303</b>	<b>97,227</b>	<b>107,618</b>	<b>118,048</b>	<b>128,028</b>	<b>137,560</b>
MADISON COUNTY WSC	45	48	51	55	58	61

### Region H Water User Group (WUG) Population

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
NORTH ZULCH MUD	117	125	133	142	150	158
COUNTY-OTHER	971	1,041	1,105	1,176	1,243	1,308
<b>BRAZOS BASIN TOTAL</b>	<b>1,133</b>	<b>1,214</b>	<b>1,289</b>	<b>1,373</b>	<b>1,451</b>	<b>1,527</b>
MADISON COUNTY WSC	1,063	1,142	1,211	1,289	1,362	1,433
MADISONVILLE	4,915	5,269	5,592	5,953	6,292	6,621
NORMANGEE	83	88	94	100	106	111
NORTH ZULCH MUD	1,339	1,435	1,523	1,621	1,714	1,803
COUNTY-OTHER	6,220	6,669	7,077	7,536	7,961	8,382
<b>TRINITY BASIN TOTAL</b>	<b>13,620</b>	<b>14,603</b>	<b>15,497</b>	<b>16,499</b>	<b>17,435</b>	<b>18,350</b>
<b>MADISON COUNTY TOTAL</b>	<b>14,753</b>	<b>15,817</b>	<b>16,786</b>	<b>17,872</b>	<b>18,886</b>	<b>19,877</b>
CHATEAU WOODS MUD	2,370	3,062	3,062	3,062	3,062	3,062
CLEVELAND	30	36	51	69	91	119
CONROE	74,960	89,956	103,366	115,733	128,981	143,164
CORINTHIAN POINT MUD 2	860	1,111	1,396	1,396	1,396	1,396
CUT & SHOOT	4,145	4,493	5,268	6,292	7,649	9,442
DOBBIN PLANTERSVILLE WSC	8,335	11,255	15,183	20,335	27,097	35,974
DOMESTIC WATER	1,807	2,335	2,934	2,934	2,934	2,934
EAST PLANTATION UD	1,354	1,393	1,639	1,885	2,173	2,248
FAR HILLS UD	1,344	1,735	2,181	2,181	2,181	2,181
GULF UTILITY	4,695	4,695	4,695	4,695	4,695	4,695
HARRIS-MONTGOMERY COUNTIES MUD 386	3,083	3,083	3,083	3,083	3,083	3,083
HMW SUD	6,510	7,817	9,253	10,925	10,925	10,925
HOUSTON	4,727	6,774	9,061	11,272	13,419	14,043
JOHNSTON WATER UTILITY	1,860	2,403	3,019	3,756	4,668	5,765
KINGS MANOR MUD	2,790	2,790	2,790	2,790	2,790	2,790
LAKE BONANZA WSC	2,165	2,797	3,515	4,372	5,435	6,711
LAKE CONROE HILLS MUD	1,958	2,530	3,179	3,955	4,916	6,070
LAZY RIVER IMPROVEMENT DISTRICT	922	1,192	1,497	1,497	1,497	1,497
MAGNOLIA	4,821	5,789	7,056	8,912	11,632	15,853
MONTGOMERY	2,676	4,985	6,185	7,393	8,625	10,565
MONTGOMERY COUNTY MUD 112	1,150	1,486	1,486	1,486	1,486	1,486
MONTGOMERY COUNTY MUD 115	1,188	1,535	1,928	1,928	1,928	1,928
MONTGOMERY COUNTY MUD 119	2,886	3,727	4,683	4,683	4,683	4,683
MONTGOMERY COUNTY MUD 15	3,792	4,082	4,708	5,534	6,747	8,466
MONTGOMERY COUNTY MUD 18	6,350	8,204	9,327	10,450	11,573	14,296
MONTGOMERY COUNTY MUD 19	3,142	3,162	3,184	3,209	3,238	3,267
MONTGOMERY COUNTY MUD 56	1,447	1,870	2,350	2,350	2,350	2,350
MONTGOMERY COUNTY MUD 8	2,963	3,173	3,560	3,947	4,334	5,205
MONTGOMERY COUNTY MUD 83	2,078	2,148	2,219	2,290	2,362	2,412
MONTGOMERY COUNTY MUD 84	1,909	2,466	2,466	2,466	2,466	2,466
MONTGOMERY COUNTY MUD 88	459	594	746	746	746	746

### Region H Water User Group (WUG) Population

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
MONTGOMERY COUNTY MUD 89	5,594	5,715	5,804	6,261	6,919	7,140
MONTGOMERY COUNTY MUD 9	5,912	6,162	7,024	7,882	7,882	7,882
MONTGOMERY COUNTY MUD 95	1,557	2,011	2,526	2,526	2,526	2,526
MONTGOMERY COUNTY MUD 98	1,395	1,803	2,265	2,265	2,265	2,265
MONTGOMERY COUNTY MUD 99	834	1,077	1,353	1,353	1,353	1,353
MONTGOMERY COUNTY UD 2	1,921	1,965	2,068	2,207	2,392	2,637
MONTGOMERY COUNTY UD 3	3,695	3,967	3,967	3,967	3,967	3,967
MONTGOMERY COUNTY UD 4	3,069	4,004	4,037	4,634	5,924	7,607
MONTGOMERY COUNTY WCID 1	3,410	3,741	4,109	4,518	4,974	5,522
MSEC ENTERPRISES	19,382	33,987	36,228	38,907	42,223	44,093
NEW CANEY MUD	9,351	10,341	11,406	12,680	14,214	16,078
OAK RIDGE NORTH	3,150	3,294	3,517	3,643	3,688	3,704
PANORAMA VILLAGE	2,457	2,499	2,664	2,884	3,179	3,572
PINEHURST DECKER PRAIRIE WSC	1,221	1,456	2,369	3,685	5,764	9,352
POINT AQUARIUS MUD	2,046	2,056	2,199	2,392	2,649	2,991
PORTER SUD	25,185	31,483	37,835	44,073	50,332	55,511
QUADVEST	21,977	28,902	37,080	46,740	58,468	71,046
RANCH UTILITIES	1,498	1,935	1,935	1,935	1,935	1,935
RAYFORD ROAD MUD	11,048	10,918	11,795	12,774	13,810	14,179
RIVER PLANTATION MUD	2,674	2,848	3,480	4,111	4,805	5,069
ROMAN FOREST CONSOLIDATED MUD	1,691	1,710	1,910	2,167	2,494	2,911
SHENANDOAH	2,997	3,904	4,281	4,534	4,826	5,197
SOUTHERN MONTGOMERY COUNTY MUD	11,437	11,864	12,158	12,395	12,585	12,783
SPLENDORA	7,641	8,346	9,991	12,077	14,712	18,044
SPRING CREEK UD	10,802	11,912	12,569	13,741	15,195	15,670
STANLEY LAKE MUD	3,002	3,373	4,372	5,699	7,444	9,629
T & W WATER SERVICE	6,217	7,846	9,659	11,790	14,394	17,484
THE WOODLANDS	100,003	105,894	111,674	118,464	128,339	140,330
VALLEY RANCH MUD 1	1,938	2,504	3,146	3,146	3,146	3,146
WESTWOOD NORTH WSC	2,581	2,627	2,929	3,230	3,533	3,964
WHITE OAK UTILITIES	1,266	1,636	1,636	1,636	1,636	1,636
WHITE OAK WSC	1,023	1,273	1,273	1,273	1,273	1,273
WILLIS	7,227	7,486	8,071	8,877	9,995	11,551
WOOD BRANCH VILLAGE	1,177	1,278	1,548	1,890	2,324	2,875
COUNTY-OTHER	182,763	286,757	425,330	601,934	825,808	1,101,319
<b>SAN JACINTO BASIN TOTAL</b>	<b>627,917</b>	<b>811,252</b>	<b>1,019,278</b>	<b>1,267,916</b>	<b>1,576,135</b>	<b>1,946,063</b>
<b>MONTGOMERY COUNTY TOTAL</b>	<b>627,917</b>	<b>811,252</b>	<b>1,019,278</b>	<b>1,267,916</b>	<b>1,576,135</b>	<b>1,946,063</b>
LAKE LIVINGSTON WSC	8,717	9,799	10,870	12,014	13,216	14,476
LEGGETT WSC	2,023	2,260	2,447	2,606	2,735	2,840
LIVINGSTON	6,183	6,908	7,477	7,963	8,359	8,678

### Region H Water User Group (WUG) Population

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
MEMORIAL POINT UD	1,123	1,255	1,359	1,447	1,519	1,578
MOSCOW WSC	143	160	173	184	193	200
ONALASKA WSC	3,550	4,502	5,251	5,890	6,411	6,831
PROVIDENCE WSC	2,126	2,375	2,571	2,738	2,874	2,984
SODA WSC	1,942	2,170	2,348	2,500	2,625	2,726
TEMPE WSC 1	2,293	2,561	2,773	2,953	3,099	3,218
COUNTY-OTHER	14,811	15,945	16,619	16,964	16,977	16,694
<b>TRINITY BASIN TOTAL</b>	<b>42,911</b>	<b>47,935</b>	<b>51,888</b>	<b>55,259</b>	<b>58,008</b>	<b>60,225</b>
<b>POLK COUNTY TOTAL</b>	<b>42,911</b>	<b>47,935</b>	<b>51,888</b>	<b>55,259</b>	<b>58,008</b>	<b>60,225</b>
MERCY WSC	1,728	1,904	2,042	2,195	2,321	2,434
ONE FIVE O WSC	2,750	3,030	3,249	3,492	3,693	3,872
P B & S C WSC	148	163	175	188	199	209
SAN JACINTO SUD	700	771	827	889	940	986
COUNTY-OTHER	7,253	7,965	8,486	9,074	9,521	9,879
<b>SAN JACINTO BASIN TOTAL</b>	<b>12,579</b>	<b>13,833</b>	<b>14,779</b>	<b>15,838</b>	<b>16,674</b>	<b>17,380</b>
CAPE ROYALE UD	1,038	1,144	1,227	1,319	1,395	1,462
DODGE OAKHURST WSC	502	541	572	604	630	653
LAKE LIVINGSTON WSC	2,716	3,053	3,387	3,744	4,118	4,511
P B & S C WSC	1,723	1,899	2,037	2,189	2,315	2,428
RIVERSIDE WSC	509	560	597	632	660	683
SAN JACINTO SUD	2,040	2,248	2,412	2,592	2,741	2,874
SHEPHERD	2,597	2,861	3,069	3,299	3,490	3,658
WATERWOOD MUD 1	436	481	516	554	586	614
COUNTY-OTHER	5,470	6,007	6,400	6,843	7,180	7,451
<b>TRINITY BASIN TOTAL</b>	<b>17,031</b>	<b>18,794</b>	<b>20,217</b>	<b>21,776</b>	<b>23,115</b>	<b>24,334</b>
<b>SAN JACINTO COUNTY TOTAL</b>	<b>29,610</b>	<b>32,627</b>	<b>34,996</b>	<b>37,614</b>	<b>39,789</b>	<b>41,714</b>
GLENDALE WSC	835	903	909	884	915	957
GROVETON	629	680	685	665	689	721
LAKE LIVINGSTON WSC	679	763	847	937	1,019	1,116
PENNINGTON WSC	1,272	1,376	1,387	1,348	1,396	1,460
TRINITY	3,807	4,117	4,149	4,032	4,175	4,368
TRINITY RURAL WSC	3,923	4,243	4,275	4,153	4,302	4,502
WESTWOOD SHORES MUD	1,112	1,203	1,212	1,177	1,220	1,276
COUNTY-OTHER	497	508	433	308	414	385
<b>TRINITY BASIN TOTAL</b>	<b>12,754</b>	<b>13,793</b>	<b>13,897</b>	<b>13,504</b>	<b>14,130</b>	<b>14,785</b>
<b>TRINITY COUNTY TOTAL</b>	<b>12,754</b>	<b>13,793</b>	<b>13,897</b>	<b>13,504</b>	<b>14,130</b>	<b>14,785</b>
DODGE OAKHURST WSC	685	739	780	824	860	891
HUNTSVILLE	33,702	35,320	36,486	37,579	38,430	39,118
NEW WAVERLY	1,140	1,189	1,225	1,259	1,285	1,306
PHELPS SUD	1,404	1,450	1,482	1,513	1,537	1,556

### Region H Water User Group (WUG) Population

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
WALKER COUNTY RURAL SUD	3,274	3,480	3,630	3,770	3,879	3,968
COUNTY-OTHER	6,344	6,603	6,785	6,951	7,080	7,181
<b>SAN JACINTO BASIN TOTAL</b>	<b>46,549</b>	<b>48,781</b>	<b>50,388</b>	<b>51,896</b>	<b>53,071</b>	<b>54,020</b>
DODGE OAKHURST WSC	486	524	554	585	611	633
HUNTSVILLE	6,903	7,234	7,473	7,697	7,871	8,012
LAKE LIVINGSTON WSC	186	209	231	256	281	308
PHELPS SUD	609	629	643	656	667	675
RIVERSIDE WSC	4,816	5,300	5,651	5,989	6,253	6,469
THE CONSOLIDATED WSC	97	109	119	129	135	140
TRINITY RURAL WSC	311	344	369	392	410	424
WALKER COUNTY RURAL SUD	4,369	4,645	4,844	5,032	5,176	5,294
COUNTY-OTHER	7,474	7,468	7,452	7,418	7,384	7,349
<b>TRINITY BASIN TOTAL</b>	<b>25,251</b>	<b>26,462</b>	<b>27,336</b>	<b>28,154</b>	<b>28,788</b>	<b>29,304</b>
<b>WALKER COUNTY TOTAL</b>	<b>71,800</b>	<b>75,243</b>	<b>77,724</b>	<b>80,050</b>	<b>81,859</b>	<b>83,324</b>
BROOKSHIRE MWD	5,279	6,457	7,762	9,186	10,760	12,466
G & W WSC	953	1,293	1,670	2,082	2,536	3,029
HEMPSTEAD	6,726	7,843	9,081	10,433	11,926	13,544
PATTISON WSC	1,702	2,056	2,448	2,876	3,348	3,860
PRAIRIE VIEW	3,168	4,293	5,539	6,901	8,404	10,033
PRAIRIE VIEW A&M UNIVERSITY	2,892	2,892	2,892	2,892	2,892	2,892
QUADVEST	119	156	200	252	315	383
COUNTY-OTHER	11,842	14,270	16,975	19,926	23,181	26,713
<b>BRAZOS BASIN TOTAL</b>	<b>32,681</b>	<b>39,260</b>	<b>46,567</b>	<b>54,548</b>	<b>63,362</b>	<b>72,920</b>
G & W WSC	2,925	3,969	5,126	6,389	7,784	9,296
KATY	1,469	1,835	2,239	2,680	3,168	3,696
OAK HOLLOW UTILITY	1,769	2,136	2,543	2,987	3,478	4,010
PRAIRIE VIEW	232	314	406	505	615	735
PRAIRIE VIEW A&M UNIVERSITY	317	317	317	317	317	317
WALLER	2,039	2,222	2,424	2,645	2,890	3,154
WHITE OAK UTILITIES	62	81	81	81	81	81
COUNTY-OTHER	11,044	13,309	15,832	18,584	21,619	24,913
<b>SAN JACINTO BASIN TOTAL</b>	<b>19,857</b>	<b>24,183</b>	<b>28,968</b>	<b>34,188</b>	<b>39,952</b>	<b>46,202</b>
<b>WALLER COUNTY TOTAL</b>	<b>52,538</b>	<b>63,443</b>	<b>75,535</b>	<b>88,736</b>	<b>103,314</b>	<b>119,122</b>
<b>REGION H TOTAL POPULATION</b>	<b>7,325,314</b>	<b>8,207,700</b>	<b>9,024,533</b>	<b>9,867,512</b>	<b>10,766,073</b>	<b>11,743,278</b>

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**APPENDIX TM-A2  
TWDB DB22 REPORT:  
WUG WATER DEMANDS**

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### Region H Water User Group (WUG) Demand

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
AUSTIN COUNTY WSC	229	257	288	328	374	426
BELLVILLE	1,126	1,191	1,264	1,359	1,470	1,594
SEALY	1,377	1,513	1,667	1,859	2,081	2,329
WEST END WSC	179	196	211	230	252	276
COUNTY-OTHER	1,617	1,878	2,173	2,540	2,961	3,434
MANUFACTURING	69	74	74	74	74	74
MINING	97	244	196	148	101	69
LIVESTOCK	852	852	852	852	852	852
IRRIGATION	2,222	2,222	2,222	2,222	2,222	2,222
<b>BRAZOS BASIN TOTAL</b>	<b>7,768</b>	<b>8,427</b>	<b>8,947</b>	<b>9,612</b>	<b>10,387</b>	<b>11,276</b>
AUSTIN COUNTY WSC	19	21	24	27	31	35
SEALY	3	3	3	4	4	5
WALLIS	160	164	170	180	192	207
COUNTY-OTHER	421	489	566	662	772	895
MANUFACTURING	37	40	40	40	40	40
MINING	28	71	57	43	29	20
LIVESTOCK	239	239	239	239	239	239
IRRIGATION	3,785	3,785	3,785	3,785	3,785	3,785
<b>BRAZOS-COLORADO BASIN TOTAL</b>	<b>4,692</b>	<b>4,812</b>	<b>4,884</b>	<b>4,980</b>	<b>5,092</b>	<b>5,226</b>
WEST END WSC	20	22	24	26	29	32
COUNTY-OTHER	16	18	21	25	29	34
MINING	2	5	4	3	2	1
LIVESTOCK	17	17	17	17	17	17
<b>COLORADO BASIN TOTAL</b>	<b>55</b>	<b>62</b>	<b>66</b>	<b>71</b>	<b>77</b>	<b>84</b>
<b>AUSTIN COUNTY TOTAL</b>	<b>12,515</b>	<b>13,301</b>	<b>13,897</b>	<b>14,663</b>	<b>15,556</b>	<b>16,586</b>
BRAZORIA	69	68	67	67	67	69
FREEPORT	148	150	153	157	163	170
LAKE JACKSON	35	35	35	36	37	39
VARNER CREEK UD	210	204	198	198	198	198
WEST COLUMBIA	372	356	344	345	345	348
COUNTY-OTHER	969	1,094	1,300	1,512	1,735	1,972
MANUFACTURING	7,341	8,590	8,590	8,590	8,590	8,590
MINING	135	166	194	224	257	296
LIVESTOCK	107	107	107	107	107	107
IRRIGATION	4,005	4,005	4,005	4,005	4,005	4,005
<b>BRAZOS BASIN TOTAL</b>	<b>13,391</b>	<b>14,775</b>	<b>14,993</b>	<b>15,241</b>	<b>15,504</b>	<b>15,794</b>
BRAZORIA	249	245	241	241	244	247
FREEPORT	1	1	1	1	1	1
SWEENY	524	510	498	493	494	497
WEST COLUMBIA	68	65	62	62	63	63
COUNTY-OTHER	3,772	4,432	5,062	5,690	6,342	7,020
MANUFACTURING	35,515	41,555	41,555	41,555	41,555	41,555
MINING	252	310	362	419	480	553
LIVESTOCK	401	401	401	401	401	401
IRRIGATION	4,183	4,183	4,183	4,183	4,183	4,183
<b>BRAZOS-COLORADO BASIN TOTAL</b>	<b>44,965</b>	<b>51,702</b>	<b>52,365</b>	<b>53,045</b>	<b>53,763</b>	<b>54,520</b>
ALVIN	4,644	4,866	5,160	5,587	6,186	6,983

### Region H Water User Group (WUG) Demand

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
ANGLETON	1,919	1,849	1,793	1,768	1,774	1,788
BRAZORIA COUNTY MUD 2	1,666	1,658	1,655	1,653	1,653	1,654
BRAZORIA COUNTY MUD 21	646	669	719	769	819	853
BRAZORIA COUNTY MUD 25	417	459	502	554	618	689
BRAZORIA COUNTY MUD 29	456	716	940	927	924	923
BRAZORIA COUNTY MUD 3	655	646	648	654	662	676
BRAZORIA COUNTY MUD 31	409	459	537	608	675	717
BRAZORIA COUNTY MUD 6	1,268	1,258	1,257	1,258	1,260	1,266
CLUTE	1,484	1,483	1,494	1,526	1,579	1,640
DANBURY	176	169	162	159	159	159
FREEPORT	1,322	1,341	1,361	1,398	1,453	1,511
HILLCREST VILLAGE	120	117	114	113	113	113
LAKE JACKSON	5,215	5,240	5,295	5,405	5,573	5,766
MANVEL	130	208	279	359	455	573
OYSTER CREEK	258	258	259	265	273	284
PEARLAND	15,619	16,368	17,492	18,770	20,224	21,645
QUADVEST	150	194	247	310	387	470
RICHWOOD	391	391	394	402	418	436
SEDONA LAKES MUD 1	174	194	214	238	265	296
SURFSIDE BEACH	202	228	226	225	224	224
TDCJ RAMSEY AREA	1,573	1,566	1,561	1,559	1,558	1,558
COUNTY-OTHER	10,509	14,497	18,293	22,806	27,929	33,696
MANUFACTURING	155,554	182,008	182,008	182,008	182,008	182,008
MINING	581	713	833	966	1,105	1,277
LIVESTOCK	987	987	987	987	987	987
IRRIGATION	82,387	82,387	82,387	82,387	82,387	82,387
<b>SAN JACINTO-BRAZOS BASIN TOTAL</b>	<b>288,912</b>	<b>320,929</b>	<b>326,817</b>	<b>333,661</b>	<b>341,668</b>	<b>350,579</b>
<b>BRAZORIA COUNTY TOTAL</b>	<b>347,268</b>	<b>387,406</b>	<b>394,175</b>	<b>401,947</b>	<b>410,935</b>	<b>420,893</b>
ANAHUAC	228	221	217	217	219	223
TRINITY BAY CONSERVATION DISTRICT	1,640	1,912	2,202	2,529	2,892	3,277
COUNTY-OTHER	122	143	165	189	216	245
MINING	3,316	3,316	3,316	3,316	3,316	3,316
LIVESTOCK	280	280	280	280	280	280
IRRIGATION	102,655	102,655	102,655	102,655	102,655	102,655
<b>NECHES-TRINITY BASIN TOTAL</b>	<b>108,241</b>	<b>108,527</b>	<b>108,835</b>	<b>109,186</b>	<b>109,578</b>	<b>109,996</b>
ANAHUAC	53	52	51	50	51	52
MONT BELVIEU	2,075	2,636	3,219	3,850	4,528	5,242
TRINITY BAY CONSERVATION DISTRICT	428	499	575	660	755	855
COUNTY-OTHER	1,053	1,228	1,418	1,631	1,865	2,113
MANUFACTURING	4,227	4,926	4,926	4,926	4,926	4,926
MINING	956	956	956	956	956	956
LIVESTOCK	74	74	74	74	74	74
IRRIGATION	19,252	19,252	19,252	19,252	19,252	19,252
<b>TRINITY BASIN TOTAL</b>	<b>28,118</b>	<b>29,623</b>	<b>30,471</b>	<b>31,399</b>	<b>32,407</b>	<b>33,470</b>
BAYTOWN	651	745	842	952	1,081	1,218
CHAMBERS COUNTY MUD 1	260	295	333	377	431	488



## Region H Water User Group (WUG) Demand

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
<b>BRAZOS BASIN TOTAL</b>	<b>136,999</b>	<b>148,954</b>	<b>153,393</b>	<b>161,912</b>	<b>173,058</b>	<b>185,785</b>
KENDLETON	183	225	258	291	324	358
NEEDVILLE	165	160	158	158	164	172
ROSENBERG	1	1	1	1	1	1
COUNTY-OTHER	1,503	2,444	4,140	6,624	10,274	15,622
MINING	16	17	13	9	6	4
LIVESTOCK	162	162	162	162	162	162
IRRIGATION	10,445	10,445	10,445	10,445	10,445	10,445
<b>BRAZOS-COLORADO BASIN TOTAL</b>	<b>12,475</b>	<b>13,454</b>	<b>15,177</b>	<b>17,690</b>	<b>21,376</b>	<b>26,764</b>
BLUE RIDGE WEST MUD	1,130	1,112	1,102	1,098	1,096	1,095
FORT BEND COUNTY WCID 2	1,699	2,086	2,385	2,686	2,988	3,310
FULSHEAR	80	161	243	242	243	242
HOUSTON	5,006	5,192	5,344	5,505	5,662	5,786
KATY	1,665	3,801	3,799	3,803	3,813	3,822
MEADOWS PLACE	715	708	704	710	722	737
NORTH FORT BEND WATER AUTHORITY	32,393	44,480	54,008	59,521	62,460	63,963
SUGAR LAND	990	983	980	979	981	982
WEST HARRIS COUNTY REGIONAL WATER AUTHORITY	1,403	1,411	1,401	1,399	1,407	1,419
COUNTY-OTHER	343	338	330	278	192	129
MANUFACTURING	208	229	229	229	229	229
LIVESTOCK	55	55	55	55	55	55
IRRIGATION	307	307	307	307	307	307
<b>SAN JACINTO BASIN TOTAL</b>	<b>45,994</b>	<b>60,863</b>	<b>70,887</b>	<b>76,812</b>	<b>80,155</b>	<b>82,076</b>
BLUE RIDGE WEST MUD	99	97	97	96	96	96
FIRST COLONY MUD 9	1,350	1,422	1,413	1,408	1,407	1,406
FORT BEND COUNTY FWSD 1	82	99	114	128	143	158
FORT BEND COUNTY MUD 115	310	343	342	342	342	342
FORT BEND COUNTY MUD 23	1,319	1,389	1,429	1,470	1,512	1,558
FORT BEND COUNTY MUD 24	146	177	202	201	200	200
FORT BEND COUNTY MUD 25	1,346	1,331	1,332	1,343	1,364	1,388
FORT BEND COUNTY MUD 26	616	740	865	861	859	859
FORT BEND COUNTY MUD 42	865	1,047	1,041	1,038	1,036	1,036
FORT BEND COUNTY MUD 46	500	607	714	712	712	711
FORT BEND COUNTY MUD 47	158	190	222	220	220	220
FORT BEND COUNTY MUD 48	434	426	423	421	420	420
FORT BEND COUNTY MUD 49	208	251	250	249	248	248
FORT BEND COUNTY WCID 2	6,819	8,373	9,575	10,780	11,992	13,285
FORT BEND COUNTY WCID 3	52	65	65	65	65	65
FULSHEAR	1,506	1,964	1,990	1,988	1,987	1,985
HOUSTON	3,225	3,345	3,442	3,546	3,647	3,728
MEADOWCREEK MUD	394	474	471	469	468	468
MEADOWS PLACE	64	63	62	63	64	65
MISSOURI CITY	428	518	586	657	730	809
NORTH FORT BEND WATER AUTHORITY	26,420	36,278	44,048	48,546	50,942	52,168
PALMER PLANTATION MUD 1	517	627	624	622	622	621
PALMER PLANTATION MUD 2	377	370	367	366	365	365
PEARLAND	547	579	711	844	978	1,136

## Region H Water User Group (WUG) Demand

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
PECAN GROVE MUD 1	18	17	17	17	17	17
QUAIL VALLEY UD	2,421	2,925	3,430	3,419	3,414	3,412
SIENNA PLANTATION	3,785	4,810	6,530	8,250	9,971	11,562
SUGAR LAND	10,383	11,432	11,660	11,828	11,939	12,063
TDCJ JESTER UNITS	804	799	796	795	795	795
THUNDERBIRD UD	1,215	1,470	1,461	1,457	1,455	1,454
COUNTY-OTHER	3,593	10	2,560	5,665	7,949	9,655
MANUFACTURING	3,096	3,403	3,403	3,403	3,403	3,403
MINING	15	16	12	9	6	4
LIVESTOCK	157	157	157	157	157	157
IRRIGATION	3,058	3,058	3,058	3,058	3,058	3,058
<b>SAN JACINTO-BRAZOS BASIN TOTAL</b>	<b>76,327</b>	<b>88,872</b>	<b>103,469</b>	<b>114,493</b>	<b>122,583</b>	<b>128,917</b>
<b>FORT BEND COUNTY TOTAL</b>	<b>271,795</b>	<b>312,143</b>	<b>342,926</b>	<b>370,907</b>	<b>397,172</b>	<b>423,542</b>
BOLIVAR PENINSULA SUD	198	234	277	328	388	459
COUNTY-OTHER	5	6	8	10	13	16
MINING	78	84	92	99	106	114
LIVESTOCK	59	59	59	59	59	59
IRRIGATION	57	57	57	57	57	57
<b>NECHES-TRINITY BASIN TOTAL</b>	<b>397</b>	<b>440</b>	<b>493</b>	<b>553</b>	<b>623</b>	<b>705</b>
BACLIFF MUD	539	515	506	513	520	528
BAYVIEW MUD	146	153	158	165	172	179
FRIENDSWOOD	5,569	5,769	6,047	6,395	6,815	7,290
GALVESTON	16,622	17,422	18,284	19,244	20,164	21,151
GALVESTON COUNTY FWSD 6	361	356	355	355	356	357
GALVESTON COUNTY MUD 12	270	261	256	254	254	254
GALVESTON COUNTY WCID 1	2,966	3,237	3,536	3,867	4,223	4,588
GALVESTON COUNTY WCID 12	1,873	2,293	2,334	2,375	2,414	2,449
GALVESTON COUNTY WCID 8	605	598	605	619	638	659
HITCHCOCK	931	1,059	1,136	1,202	1,262	1,312
JAMAICA BEACH	259	258	258	259	262	265
LA MARQUE	3,364	3,581	3,594	3,621	3,666	3,710
LEAGUE CITY	14,165	15,619	16,772	17,756	18,349	18,770
SAN LEON MUD	378	414	441	468	495	523
TEXAS CITY	7,078	7,524	7,898	8,272	8,667	9,038
COUNTY-OTHER	1,167	1,034	951	869	791	708
MANUFACTURING	55,104	64,333	64,333	64,333	64,333	64,333
MINING	303	324	358	387	414	441
LIVESTOCK	204	204	204	204	204	204
IRRIGATION	5,048	5,048	5,048	5,048	5,048	5,048
<b>SAN JACINTO-BRAZOS BASIN TOTAL</b>	<b>116,952</b>	<b>130,002</b>	<b>133,074</b>	<b>136,206</b>	<b>139,047</b>	<b>141,807</b>
<b>GALVESTON COUNTY TOTAL</b>	<b>117,349</b>	<b>130,442</b>	<b>133,567</b>	<b>136,759</b>	<b>139,670</b>	<b>142,512</b>
BAKER ROAD MUD	278	295	292	291	291	291
BAYTOWN	419	412	408	408	414	421
BELLAIRE	4,200	4,467	4,780	5,155	5,598	6,088
BLUE BELL MANOR UTILITY	623	632	657	689	727	760
BUNKER HILL VILLAGE	1,662	1,773	1,898	2,040	2,200	2,375

**Region H Water User Group (WUG) Demand**

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
CENTRAL HARRIS COUNTY REGIONAL WATER AUTHORITY	5,377	5,706	5,937	6,183	6,443	6,735
CHIMNEY HILL MUD	568	555	544	542	549	559
CROSBY MUD	356	361	366	372	378	385
DEER PARK	1,315	1,342	1,360	1,399	1,441	1,485
DOUGLAS UTILITY	234	222	213	213	213	215
EL DORADO UD	405	400	399	406	410	410
FOREST HILLS MUD	359	375	391	387	386	386
FORT BEND COUNTY WCID 2	382	469	537	604	672	745
GALENA PARK	841	806	779	774	789	804
GREEN TRAILS MUD	630	623	622	626	628	630
GREENWOOD UD	351	388	385	386	389	393
HARRIS COUNTY FWSD 58	386	409	430	452	475	499
HARRIS COUNTY MUD 106	1,428	1,443	1,497	1,535	1,564	1,586
HARRIS COUNTY MUD 11	332	329	332	339	351	364
HARRIS COUNTY MUD 119	636	619	611	617	630	644
HARRIS COUNTY MUD 122	143	170	197	195	194	194
HARRIS COUNTY MUD 132	1,065	1,050	1,036	1,040	1,042	1,046
HARRIS COUNTY MUD 148	338	347	345	344	346	349
HARRIS COUNTY MUD 151	1,093	1,086	1,083	1,082	1,084	1,088
HARRIS COUNTY MUD 152	1,090	1,097	1,122	1,144	1,163	1,180
HARRIS COUNTY MUD 153	1,315	1,298	1,290	1,286	1,285	1,287
HARRIS COUNTY MUD 154	1,043	1,026	1,030	1,046	1,072	1,104
HARRIS COUNTY MUD 158	681	661	645	636	634	634
HARRIS COUNTY MUD 180	541	564	581	579	577	576
HARRIS COUNTY MUD 189	357	362	374	387	401	417
HARRIS COUNTY MUD 216	154	162	160	159	159	159
HARRIS COUNTY MUD 221	450	483	498	514	529	545
HARRIS COUNTY MUD 23	377	390	379	374	372	372
HARRIS COUNTY MUD 278	1,213	1,591	1,587	1,583	1,581	1,580
HARRIS COUNTY MUD 290	710	735	767	790	806	820
HARRIS COUNTY MUD 321	309	404	432	462	461	461
HARRIS COUNTY MUD 342	681	723	767	762	761	761
HARRIS COUNTY MUD 344	958	1,106	1,097	1,093	1,091	1,091
HARRIS COUNTY MUD 345	900	886	876	870	869	869
HARRIS COUNTY MUD 36	374	399	395	393	393	393
HARRIS COUNTY MUD 361	435	460	453	449	448	448
HARRIS COUNTY MUD 372	1,257	1,245	1,236	1,232	1,231	1,231
HARRIS COUNTY MUD 400	1,246	1,331	1,404	1,467	1,501	1,516
HARRIS COUNTY MUD 412	538	569	599	629	661	694
HARRIS COUNTY MUD 420	138	143	149	147	146	146
HARRIS COUNTY MUD 46	618	606	596	591	590	590
HARRIS COUNTY MUD 49	677	690	701	712	721	731
HARRIS COUNTY MUD 5	507	508	521	544	577	614
HARRIS COUNTY MUD 50	396	381	384	388	388	390
HARRIS COUNTY MUD 58	249	261	272	269	269	268
HARRIS COUNTY MUD 6	492	515	505	500	499	499
HARRIS COUNTY MUD 8	487	464	445	444	442	442

**Region H Water User Group (WUG) Demand**

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
HARRIS COUNTY MUD 96	582	592	625	666	707	738
HARRIS COUNTY UD 14	217	238	258	283	313	359
HARRIS COUNTY UD 15	521	552	601	595	593	593
HARRIS COUNTY WCID 1	709	688	687	706	724	746
HARRIS COUNTY WCID 133	674	656	664	703	756	815
HARRIS COUNTY WCID 70	238	251	248	246	246	245
HARRIS COUNTY WCID 74	609	581	559	548	546	546
HARRIS COUNTY WCID 96	1,656	1,646	1,645	1,644	1,643	1,642
HARRIS COUNTY WCID-FONDREN ROAD	350	415	479	473	472	471
HILSHIRE VILLAGE	196	203	216	238	263	290
HMW SUD	405	475	553	648	647	646
HOUSTON	421,635	445,972	470,991	499,240	531,088	565,295
HUMBLE	2,715	3,190	3,530	3,793	4,004	4,166
JACINTO CITY	768	741	749	770	793	816
JERSEY VILLAGE	1,799	1,785	1,795	1,818	1,854	1,897
KATY	3,214	3,323	3,427	3,525	3,620	3,712
KINGS MANOR MUD	153	149	146	145	144	144
LA PORTE	312	308	305	307	310	314
LAKE MUD	23	23	23	23	22	22
LONGHORN TOWN UD	354	351	349	348	348	348
LUCE BAYOU PUD	141	149	156	156	155	155
MASON CREEK UD	1,447	1,406	1,382	1,379	1,376	1,376
MEMORIAL VILLAGES WATER AUTHORITY	5,600	6,040	6,529	7,070	7,667	8,320
MORGANS POINT	22	24	26	27	29	30
MOUNT HOUSTON ROAD MUD	626	757	853	925	979	1,020
NEWPORT MUD	1,019	1,031	1,043	1,060	1,081	1,106
NORTH BELT UD	515	506	508	518	532	548
NORTH CHANNEL WATER AUTHORITY	10,215	10,207	10,236	10,362	10,585	10,791
NORTH FOREST MUD	199	198	195	193	193	193
NORTH FORT BEND WATER AUTHORITY	1,902	1,896	1,899	1,906	1,914	1,922
NORTH GREEN MUD	495	486	481	481	487	493
NORTH HARRIS COUNTY REGIONAL WATER AUTHORITY	122,747	128,791	133,934	138,694	143,385	147,826
NORTHWEST HARRIS COUNTY MUD 16	494	519	512	508	507	506
PARKWAY MUD	520	528	519	516	517	521
PASADENA	16,871	16,888	16,937	17,202	17,611	18,074
PINE VILLAGE PUD	231	241	250	262	274	288
PINEWOOD COMMUNITY	113	117	114	113	113	113
QUADVEST	171	222	282	353	442	536
ROLLING FORK PUD	458	450	445	442	441	441
SEQUOIA IMPROVEMENT DISTRICT	163	172	180	179	179	179
SOUTH HOUSTON	1,921	1,908	1,909	1,939	1,998	2,065
SOUTHERN WATER	460	480	471	466	464	464
SOUTHSIDE PLACE	341	330	323	319	328	353
SOUTHWEST HARRIS COUNTY MUD 1	142	167	162	160	159	159
SPRING VALLEY	1,047	1,117	1,190	1,272	1,367	1,471
SUBURBAN UTILITY	340	330	323	319	318	318
SUNBELT FWSD	2,837	2,836	2,850	2,950	3,106	3,288

## Region H Water User Group (WUG) Demand

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
THE COMMONS WATER SUPPLY	403	418	431	442	450	456
THE WOODLANDS	3,872	4,149	4,520	4,799	5,013	5,177
TOMBALL	3,210	3,344	3,473	3,595	3,714	3,826
TRAIL OF THE LAKES MUD	1,043	1,065	1,065	1,067	1,072	1,078
WALLER	84	84	86	90	95	102
WEST HARRIS COUNTY MUD 6	366	385	394	403	411	418
WEST HARRIS COUNTY REGIONAL WATER AUTHORITY	70,643	72,746	76,796	81,270	82,841	84,299
WEST UNIVERSITY PLACE	2,926	3,072	3,248	3,465	3,727	4,016
WOODCREEK MUD	392	383	378	376	378	382
COUNTY-OTHER	14,172	17,789	18,736	19,134	22,550	25,771
MANUFACTURING	162,102	189,528	189,528	189,528	189,528	189,528
MINING	2,913	2,894	2,843	2,812	2,787	2,768
STEAM ELECTRIC POWER	28,805	28,805	28,805	28,805	28,805	28,805
LIVESTOCK	1,277	1,277	1,277	1,277	1,277	1,277
IRRIGATION	8,508	8,508	8,508	8,508	8,508	8,508
<b>SAN JACINTO BASIN TOTAL</b>	<b>950,497</b>	<b>1,017,721</b>	<b>1,056,011</b>	<b>1,097,590</b>	<b>1,143,297</b>	<b>1,191,042</b>
BAYBROOK MUD 1	249	258	286	308	327	348
CLEAR BROOK CITY MUD	1,747	1,728	1,896	2,012	2,115	2,219
CLEAR LAKE CITY WATER AUTHORITY	13,087	13,280	14,087	14,808	15,554	16,326
DEER PARK	2,807	2,866	2,905	2,989	3,078	3,170
FRIENDSWOOD	2,020	2,407	2,647	2,935	3,200	3,499
HARRIS COUNTY MUD 55	1,430	1,464	1,483	1,556	1,666	1,825
HARRIS COUNTY WCID 156	302	324	341	362	381	399
HARRIS COUNTY WCID 50	373	370	366	368	369	370
HARRIS COUNTY WCID 89	514	505	496	499	500	503
HOUSTON	15,654	16,558	17,487	18,535	19,718	20,988
KIRKMONT MUD	364	391	413	446	481	519
LA PORTE	4,407	4,363	4,310	4,346	4,392	4,448
LEAGUE CITY	380	425	450	474	490	501
MORGANS POINT	135	145	153	163	171	179
NASSAU BAY	1,035	1,041	1,037	1,056	1,068	1,082
PASADENA	4,967	4,971	4,986	5,064	5,184	5,320
PEARLAND	2,169	2,692	3,219	3,644	3,938	4,160
SAGEMEADOW UD	716	742	777	829	884	943
SEABROOK	1,793	1,796	1,793	1,824	1,852	1,885
SHOREACRES	325	324	323	328	333	338
WEBSTER	3,778	4,059	4,257	4,461	4,596	4,706
COUNTY-OTHER	262	409	377	41	226	401
MANUFACTURING	69,059	80,743	80,743	80,743	80,743	80,743
MINING	196	195	191	189	188	186
STEAM ELECTRIC POWER	188	188	188	188	188	188
<b>SAN JACINTO-BRAZOS BASIN TOTAL</b>	<b>127,957</b>	<b>142,244</b>	<b>145,211</b>	<b>148,168</b>	<b>151,642</b>	<b>155,246</b>
BAYTOWN	9,060	8,901	8,813	8,833	8,957	9,105
COUNTRY TERRACE WATER	156	162	169	176	185	194
HARRIS COUNTY FWSD 1-A	146	151	157	164	172	180
HARRIS COUNTY FWSD 27	240	250	261	273	286	300
HARRIS COUNTY WCID 1	32	31	32	33	35	36



## Region H Water User Group (WUG) Demand

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
HOUSTON	48	51	53	57	60	64
LAKE MUD	307	319	311	307	307	306
SPRING MEADOWS MUD	308	319	311	306	305	305
COUNTY-OTHER	2,098	2,404	2,814	3,195	3,544	3,892
MANUFACTURING	80,466	94,079	94,079	94,079	94,079	94,079
MINING	164	163	160	158	157	156
LIVESTOCK	126	126	126	126	126	126
IRRIGATION	932	932	932	932	932	932
<b>TRINITY-SAN JACINTO BASIN TOTAL</b>	<b>94,083</b>	<b>107,888</b>	<b>108,218</b>	<b>108,639</b>	<b>109,145</b>	<b>109,675</b>
<b>HARRIS COUNTY TOTAL</b>	<b>1,172,537</b>	<b>1,267,853</b>	<b>1,309,440</b>	<b>1,354,397</b>	<b>1,404,084</b>	<b>1,455,963</b>
CONCORD-ROBBINS WSC	268	264	262	271	281	290
HILLTOP LAKES WSC	249	261	271	288	304	320
JEWETT	73	85	94	108	121	133
NORMANGEE	27	28	29	30	32	34
SOUTHEAST WSC	4	4	4	4	4	5
COUNTY-OTHER	56	53	51	50	49	49
MINING	721	745	623	459	296	190
LIVESTOCK	714	714	714	714	714	714
IRRIGATION	129	129	129	129	129	129
<b>BRAZOS BASIN TOTAL</b>	<b>2,241</b>	<b>2,283</b>	<b>2,177</b>	<b>2,053</b>	<b>1,930</b>	<b>1,864</b>
BUFFALO	386	387	387	393	401	410
CENTERVILLE	203	212	219	232	246	258
CONCORD-ROBBINS WSC	74	73	72	75	77	81
FLO COMMUNITY WSC	334	384	436	490	550	611
JEWETT	201	234	261	299	333	368
NORMANGEE	80	84	86	92	97	101
SOUTHEAST WSC	263	273	281	298	314	330
COUNTY-OTHER	200	180	156	148	134	118
MANUFACTURING	846	1,069	1,069	1,069	1,069	1,069
MINING	1,681	1,736	1,454	1,071	689	444
LIVESTOCK	2,190	2,190	2,190	2,190	2,190	2,190
IRRIGATION	363	363	363	363	363	363
<b>TRINITY BASIN TOTAL</b>	<b>6,821</b>	<b>7,185</b>	<b>6,974</b>	<b>6,720</b>	<b>6,463</b>	<b>6,343</b>
<b>LEON COUNTY TOTAL</b>	<b>9,062</b>	<b>9,468</b>	<b>9,151</b>	<b>8,773</b>	<b>8,393</b>	<b>8,207</b>
DAISETTA	46	50	53	57	62	67
DEVERS	4	4	5	5	5	6
HARDIN WSC	26	32	37	42	48	53
LIBERTY COUNTY FWSD 1 HULL	102	113	122	134	144	155
WEST HARDIN WSC	21	23	25	27	30	31
COUNTY-OTHER	30	31	32	34	36	37
MANUFACTURING	180	212	212	212	212	212
MINING	52	54	53	56	59	64
LIVESTOCK	117	117	117	117	117	117
IRRIGATION	7,790	7,790	7,790	7,790	7,790	7,790
<b>NECHES BASIN TOTAL</b>	<b>8,368</b>	<b>8,426</b>	<b>8,446</b>	<b>8,474</b>	<b>8,503</b>	<b>8,532</b>
COUNTY-OTHER	13	14	15	15	16	17

## Region H Water User Group (WUG) Demand

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MINING	22	23	22	24	25	27
LIVESTOCK	51	51	51	51	51	51
IRRIGATION	15,332	15,332	15,332	15,332	15,332	15,332
<b>NECHES-TRINITY BASIN TOTAL</b>	<b>15,418</b>	<b>15,420</b>	<b>15,420</b>	<b>15,422</b>	<b>15,424</b>	<b>15,427</b>
CLEVELAND	1,539	1,527	1,520	1,525	1,543	1,563
MERCY WSC	21	22	23	25	26	27
SOUTH CLEVELAND WSC	215	232	250	271	293	315
T & W WATER SERVICE	194	242	295	359	437	531
TARKINGTON SUD	327	370	414	461	508	554
COUNTY-OTHER	1,296	1,356	1,411	1,480	1,561	1,637
MANUFACTURING	12	14	14	14	14	14
MINING	79	83	81	85	90	97
LIVESTOCK	178	178	178	178	178	178
IRRIGATION	1,773	1,773	1,773	1,773	1,773	1,773
<b>SAN JACINTO BASIN TOTAL</b>	<b>5,634</b>	<b>5,797</b>	<b>5,959</b>	<b>6,171</b>	<b>6,423</b>	<b>6,689</b>
DAISETTA	82	88	95	103	111	119
DAYTON	2,386	3,042	3,673	4,316	4,942	5,541
DEVERS	168	186	204	223	242	259
HARDIN WSC	471	566	662	762	861	957
LAKE LIVINGSTON WSC	90	100	111	123	136	148
LIBERTY	1,571	1,649	1,728	1,822	1,926	2,028
LIBERTY COUNTY FWSD 1 HULL	4	4	5	5	6	6
T & W WATER SERVICE	163	203	248	301	367	446
TARKINGTON SUD	97	111	124	138	152	166
WOODCREEK WATER OF LIBERTY	283	301	323	347	372	399
COUNTY-OTHER	2,946	3,081	3,206	3,365	3,548	3,720
MANUFACTURING	53	63	63	63	63	63
MINING	258	270	263	275	292	319
LIVESTOCK	590	590	590	590	590	590
IRRIGATION	15,969	15,969	15,969	15,969	15,969	15,969
<b>TRINITY BASIN TOTAL</b>	<b>25,131</b>	<b>26,223</b>	<b>27,264</b>	<b>28,402</b>	<b>29,577</b>	<b>30,730</b>
DAYTON	7	9	11	13	15	17
COUNTY-OTHER	376	393	409	430	453	475
MINING	26	27	27	28	30	32
LIVESTOCK	56	56	56	56	56	56
IRRIGATION	2,336	2,336	2,336	2,336	2,336	2,336
<b>TRINITY-SAN JACINTO BASIN TOTAL</b>	<b>2,801</b>	<b>2,821</b>	<b>2,839</b>	<b>2,863</b>	<b>2,890</b>	<b>2,916</b>
<b>LIBERTY COUNTY TOTAL</b>	<b>57,352</b>	<b>58,687</b>	<b>59,928</b>	<b>61,332</b>	<b>62,817</b>	<b>64,294</b>
MADISON COUNTY WSC	7	7	7	8	8	8
NORTH ZULCH MUD	16	16	17	18	19	20
COUNTY-OTHER	177	185	193	203	214	226
MINING	119	194	150	107	64	39
LIVESTOCK	209	209	209	209	209	209
IRRIGATION	20	20	20	20	20	20
<b>BRAZOS BASIN TOTAL</b>	<b>548</b>	<b>631</b>	<b>596</b>	<b>565</b>	<b>534</b>	<b>522</b>
MADISON COUNTY WSC	157	164	171	180	190	200
MADISONVILLE	900	941	980	1,033	1,089	1,146

### Region H Water User Group (WUG) Demand

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
NORMANGEE	13	14	14	15	16	17
NORTH ZULCH MUD	181	189	196	206	218	229
COUNTY-OTHER	1,133	1,185	1,235	1,304	1,374	1,446
MINING	478	778	604	431	259	155
LIVESTOCK	1,197	1,197	1,197	1,197	1,197	1,197
IRRIGATION	102	102	102	102	102	102
<b>TRINITY BASIN TOTAL</b>	<b>4,161</b>	<b>4,570</b>	<b>4,499</b>	<b>4,468</b>	<b>4,445</b>	<b>4,492</b>
<b>MADISON COUNTY TOTAL</b>	<b>4,709</b>	<b>5,201</b>	<b>5,095</b>	<b>5,033</b>	<b>4,979</b>	<b>5,014</b>
CHATEAU WOODS MUD	268	337	330	327	326	326
CLEVELAND	6	7	10	13	17	22
CONROE	12,828	15,106	17,182	19,141	21,300	23,628
CORINTHIAN POINT MUD 2	250	320	399	398	397	397
CUT & SHOOT	366	377	423	496	601	740
DOBBIN PLANTERSVILLE WSC	641	839	1,116	1,484	1,971	2,613
DOMESTIC WATER	171	213	262	259	258	257
EAST PLANTATION UD	266	267	307	350	402	416
FAR HILLS UD	350	447	557	555	554	554
GULF UTILITY	806	801	800	798	797	796
HARRIS-MONTGOMERY COUNTIES MUD 386	425	415	409	405	404	404
HMW SUD	864	1,013	1,180	1,382	1,379	1,378
HOUSTON	958	1,343	1,768	2,181	2,592	2,712
JOHNSTON WATER UTILITY	741	949	1,186	1,472	1,828	2,257
KINGS MANOR MUD	327	318	312	308	307	307
LAKE BONANZA WSC	216	270	333	409	507	626
LAKE CONROE HILLS MUD	229	287	354	437	541	668
LAZY RIVER IMPROVEMENT DISTRICT	218	278	346	345	344	344
MAGNOLIA	1,077	1,278	1,547	1,949	2,541	3,461
MONTGOMERY	631	1,164	1,441	1,721	2,008	2,458
MONTGOMERY COUNTY MUD 112	285	363	360	359	358	358
MONTGOMERY COUNTY MUD 115	206	262	325	323	322	322
MONTGOMERY COUNTY MUD 119	786	1,003	1,251	1,246	1,245	1,244
MONTGOMERY COUNTY MUD 15	497	525	598	698	849	1,064
MONTGOMERY COUNTY MUD 18	1,745	2,232	2,527	2,825	3,126	3,859
MONTGOMERY COUNTY MUD 19	411	398	388	385	388	391
MONTGOMERY COUNTY MUD 56	156	196	242	239	239	238
MONTGOMERY COUNTY MUD 8	445	462	506	554	607	728
MONTGOMERY COUNTY MUD 83	391	401	414	426	439	448
MONTGOMERY COUNTY MUD 84	420	534	529	527	526	526
MONTGOMERY COUNTY MUD 88	84	106	132	131	131	131
MONTGOMERY COUNTY MUD 89	440	443	448	481	528	545
MONTGOMERY COUNTY MUD 9	925	947	1,065	1,187	1,184	1,183
MONTGOMERY COUNTY MUD 95	130	162	198	195	195	194
MONTGOMERY COUNTY MUD 98	157	197	243	241	240	240
MONTGOMERY COUNTY MUD 99	183	233	290	288	288	288
MONTGOMERY COUNTY UD 2	237	232	237	252	272	299
MONTGOMERY COUNTY UD 3	540	563	561	559	557	557



### Region H Water User Group (WUG) Demand

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MINING	124	98	72	46	21	9
LIVESTOCK	181	181	181	181	181	181
IRRIGATION	332	332	332	332	332	332
<b>TRINITY BASIN TOTAL</b>	<b>6,795</b>	<b>7,319</b>	<b>7,725</b>	<b>8,091</b>	<b>8,411</b>	<b>8,676</b>
<b>POLK COUNTY TOTAL</b>	<b>6,795</b>	<b>7,319</b>	<b>7,725</b>	<b>8,091</b>	<b>8,411</b>	<b>8,676</b>
MERCY WSC	168	177	184	195	206	216
ONE FIVE O WSC	296	313	327	348	366	384
P B & S C WSC	20	21	22	24	25	26
SAN JACINTO SUD	64	67	68	73	77	80
COUNTY-OTHER	829	886	928	983	1,028	1,067
MANUFACTURING	9	10	10	10	10	10
MINING	6	6	7	7	7	7
LIVESTOCK	206	206	206	206	206	206
IRRIGATION	74	74	74	74	74	74
<b>SAN JACINTO BASIN TOTAL</b>	<b>1,672</b>	<b>1,760</b>	<b>1,826</b>	<b>1,920</b>	<b>1,999</b>	<b>2,070</b>
CAPE ROYALE UD	270	293	311	332	351	368
DODGE OAKHURST WSC	58	60	62	65	68	70
LAKE LIVINGSTON WSC	185	205	228	252	277	303
P B & S C WSC	231	247	260	276	292	306
RIVERSIDE WSC	34	38	40	42	44	46
SAN JACINTO SUD	186	194	200	212	223	234
SHEPHERD	313	332	348	369	389	407
WATERWOOD MUD 1	123	133	142	152	160	168
COUNTY-OTHER	625	668	700	741	776	804
MINING	2	2	2	2	2	2
LIVESTOCK	207	207	207	207	207	207
IRRIGATION	74	74	74	74	74	74
<b>TRINITY BASIN TOTAL</b>	<b>2,308</b>	<b>2,453</b>	<b>2,574</b>	<b>2,724</b>	<b>2,863</b>	<b>2,989</b>
<b>SAN JACINTO COUNTY TOTAL</b>	<b>3,980</b>	<b>4,213</b>	<b>4,400</b>	<b>4,644</b>	<b>4,862</b>	<b>5,059</b>
GLENDALE WSC	117	123	122	117	121	127
GROVETON	67	69	67	64	66	69
LAKE LIVINGSTON WSC	46	51	57	63	68	75
PENNINGTON WSC	120	125	122	117	121	126
TRINITY	420	435	425	406	419	438
TRINITY RURAL WSC	464	488	483	465	480	502
WESTWOOD SHORES MUD	145	152	150	144	149	156
COUNTY-OTHER	36	34	29	21	28	26
MINING	5	5	5	5	5	5
LIVESTOCK	201	201	201	201	201	201
IRRIGATION	275	275	275	275	275	275
<b>TRINITY BASIN TOTAL</b>	<b>1,896</b>	<b>1,958</b>	<b>1,936</b>	<b>1,878</b>	<b>1,933</b>	<b>2,000</b>
<b>TRINITY COUNTY TOTAL</b>	<b>1,896</b>	<b>1,958</b>	<b>1,936</b>	<b>1,878</b>	<b>1,933</b>	<b>2,000</b>
DODGE OAKHURST WSC	80	82	85	89	92	96
HUNTSVILLE	6,525	6,685	6,787	6,925	7,069	7,194
NEW WAVERLY	190	193	194	197	201	204
PHELPS SUD	153	152	151	152	154	156

**Region H Water User Group (WUG) Demand**

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
WALKER COUNTY RURAL SUD	434	447	456	468	481	491
COUNTY-OTHER	1,330	1,357	1,372	1,393	1,417	1,437
MANUFACTURING	29	36	36	36	36	36
MINING	5	5	5	5	5	5
LIVESTOCK	353	353	353	353	353	353
IRRIGATION	240	240	240	240	240	240
<b>SAN JACINTO BASIN TOTAL</b>	<b>9,339</b>	<b>9,550</b>	<b>9,679</b>	<b>9,858</b>	<b>10,048</b>	<b>10,212</b>
DODGE OAKHURST WSC	56	59	60	63	66	68
HUNTSVILLE	1,336	1,369	1,390	1,419	1,448	1,474
LAKE LIVINGSTON WSC	13	14	16	17	19	21
PHELPS SUD	66	66	66	66	67	67
RIVERSIDE WSC	324	356	380	403	420	435
THE CONSOLIDATED WSC	11	12	13	13	14	15
TRINITY RURAL WSC	37	40	42	44	46	47
WALKER COUNTY RURAL SUD	578	597	609	625	641	656
COUNTY-OTHER	1,567	1,535	1,507	1,487	1,477	1,470
MANUFACTURING	220	267	267	267	267	267
MINING	6	6	6	6	6	6
LIVESTOCK	400	400	400	400	400	400
IRRIGATION	320	320	320	320	320	320
<b>TRINITY BASIN TOTAL</b>	<b>4,934</b>	<b>5,041</b>	<b>5,076</b>	<b>5,130</b>	<b>5,191</b>	<b>5,246</b>
<b>WALKER COUNTY TOTAL</b>	<b>14,273</b>	<b>14,591</b>	<b>14,755</b>	<b>14,988</b>	<b>15,239</b>	<b>15,458</b>
BROOKSHIRE MWD	602	710	837	981	1,146	1,326
G & W WSC	110	146	186	231	281	335
HEMPSTEAD	1,303	1,489	1,702	1,944	2,218	2,517
PATTISON WSC	263	310	365	426	495	570
PRAIRIE VIEW	751	1,000	1,277	1,582	1,924	2,296
PRAIRIE VIEW A&M UNIVERSITY	195	195	195	195	195	195
QUADVEST	26	34	43	54	68	82
COUNTY-OTHER	1,448	1,693	1,979	2,303	2,673	3,077
MANUFACTURING	65	66	66	66	66	66
MINING	4	4	4	4	4	4
LIVESTOCK	909	909	909	909	909	909
IRRIGATION	7,762	7,762	7,762	7,762	7,762	7,762
<b>BRAZOS BASIN TOTAL</b>	<b>13,438</b>	<b>14,318</b>	<b>15,325</b>	<b>16,457</b>	<b>17,741</b>	<b>19,139</b>
G & W WSC	339	447	572	708	861	1,028
KATY	354	434	527	628	742	866
OAK HOLLOW UTILITY	206	240	282	328	381	439
PRAIRIE VIEW	55	73	93	116	141	168
PRAIRIE VIEW A&M UNIVERSITY	21	21	21	21	21	21
WALLER	356	379	407	440	479	523
WHITE OAK UTILITIES	6	8	7	7	7	7
COUNTY-OTHER	1,351	1,579	1,845	2,148	2,493	2,870
MANUFACTURING	69	70	70	70	70	70
MINING	3	3	3	3	3	3
LIVESTOCK	270	270	270	270	270	270

**Region H Water User Group (WUG) Demand**

	<b>WUG DEMAND (ACRE-FEET PER YEAR)</b>					
	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>	<b>2070</b>
IRRIGATION	14,282	14,282	14,282	14,282	14,282	14,282
<b>SAN JACINTO BASIN TOTAL</b>	<b>17,312</b>	<b>17,806</b>	<b>18,379</b>	<b>19,021</b>	<b>19,750</b>	<b>20,547</b>
<b>WALLER COUNTY TOTAL</b>	<b>30,750</b>	<b>32,124</b>	<b>33,704</b>	<b>35,478</b>	<b>37,491</b>	<b>39,686</b>
<b>REGION H TOTAL DEMAND</b>	<b>2,336,763</b>	<b>2,561,103</b>	<b>2,674,943</b>	<b>2,796,416</b>	<b>2,930,696</b>	<b>3,076,799</b>

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**APPENDIX TM-A3**  
**WATER DEMANDS ASSOCIATED WITH MAJOR WATER PROVIDERS**

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### Water Demands<sup>1</sup> Associated with Major Water Providers

Major Water Provider	Total Water Demand <sup>2</sup> (ac-ft/yr)					
	2020	2030	2040	2050	2060	2070
BRAZOS RIVER AUTHORITY	588,483	653,502	674,058	701,095	731,632	765,471
BRAZOSPORT WATER AUTHORITY	216,535	250,526	250,852	251,234	251,847	252,585
CHAMBERS-LIBERTY COUNTIES NAVIGATION DISTRICT	130,669	131,004	131,365	131,776	132,237	132,727
CLEAR LAKE CITY WATER AUTHORITY	329,829	383,054	384,072	385,037	385,949	386,863
CONROE	37,319	51,951	70,467	93,313	121,986	156,822
DOW CHEMICAL USA	198,410	232,153	232,153	232,153	232,153	232,153
GALVESTON	88,407	103,076	108,489	114,723	121,569	129,161
GULF COAST WATER AUTHORITY	413,036	477,556	497,565	523,974	553,630	586,458
HOUSTON	1,615,078	1,757,876	1,840,773	1,924,175	2,014,192	2,109,541
HUNTSVILLE	12,128	12,355	12,627	12,965	13,202	13,486
LEAGUE CITY	14,545	16,044	17,222	18,230	18,839	19,271
LOWER NECHES VALLEY AUTHORITY	173,786	174,165	174,574	175,037	175,555	176,111
NORTH FORT BEND WATER AUTHORITY	62,952	85,726	103,685	114,084	119,630	122,471
NORTH HARRIS COUNTY REGIONAL WATER AUTHORITY	151,030	158,486	165,188	171,718	178,899	186,302
NRG	130,316	130,316	130,316	130,316	130,316	130,316
PASADENA	335,258	388,005	388,066	388,440	388,997	389,629
PEARLAND	18,335	19,639	21,422	23,258	25,140	26,941
SAN JACINTO RIVER AUTHORITY	407,310	479,391	500,164	525,517	557,605	595,955
SUGAR LAND	54,261	62,279	68,936	81,391	96,748	114,873
THE WOODLANDS	28,283	29,695	31,254	33,024	35,514	38,476
TRINITY RIVER AUTHORITY	1,634,792	1,778,348	1,861,869	1,945,904	2,036,517	2,132,478
WEST HARRIS COUNTY REGIONAL WATER AUTHORITY	72,046	74,157	78,197	82,669	84,248	85,718

1. Values include demands of each Major Water Provider (MWP), demands of any customers of that MWP, and demands of any subsequent buyers that may purchase water originating with that MWP.

2. Some entities which purchase water from multiple sellers have demands reflected under multiple Major Water Providers. Thus, demands shown here are not mutually exclusive and are non-additive.

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**APPENDIX TM-B**

**TWDB DB22 Reports Related to Available Water Supplies**

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**APPENDIX TM-B1  
TWDB DB22 REPORT:  
SOURCE WATER AVAILABILITY**

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### Region H Source Availability

GROUNDWATER SOURCE TYPE				SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY *	2020	2030	2040	2050	2060	2070
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	3,612	3,404	3,325	3,351	3,356	3,356
CARRIZO-WILCOX AQUIFER	LEON	TRINITY	FRESH	10,676	11,057	11,389	11,650	11,668	11,668
CARRIZO-WILCOX AQUIFER	MADISON	BRAZOS	FRESH	381	371	352	335	334	334
CARRIZO-WILCOX AQUIFER	MADISON	TRINITY	FRESH	2,481	2,399	2,304	2,219	2,210	2,210
CARRIZO-WILCOX AQUIFER	TRINITY	TRINITY	FRESH	99	99	99	99	99	99
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	6,579	6,579	6,579	6,579	6,579	6,579
GULF COAST AQUIFER SYSTEM	AUSTIN	BRAZOS-COLORADO	FRESH	15,598	15,598	15,598	15,598	15,598	15,598
GULF COAST AQUIFER SYSTEM	AUSTIN	COLORADO	FRESH	121	121	121	121	121	121
GULF COAST AQUIFER SYSTEM	BRAZORIA	BRAZOS	FRESH/BRACKISH	3,223	3,057	2,992	2,923	2,865	2,821
GULF COAST AQUIFER SYSTEM	BRAZORIA	BRAZOS-COLORADO	FRESH	9,135	8,930	8,737	8,476	8,219	7,988
GULF COAST AQUIFER SYSTEM	BRAZORIA	SAN JACINTO-BRAZOS	FRESH	38,059	38,552	38,855	39,228	39,587	39,911
GULF COAST AQUIFER SYSTEM	CHAMBERS	NECHES-TRINITY	FRESH	10,798	10,798	10,798	10,798	10,798	10,798
GULF COAST AQUIFER SYSTEM	CHAMBERS	TRINITY	FRESH	10,104	10,104	10,104	10,104	10,104	10,104
GULF COAST AQUIFER SYSTEM	CHAMBERS	TRINITY-SAN JACINTO	FRESH	2,049	2,049	2,049	2,049	2,049	2,049
GULF COAST AQUIFER SYSTEM	FORT BEND	BRAZOS	FRESH	42,333	37,845	46,526	55,134	64,011	72,760
GULF COAST AQUIFER SYSTEM	FORT BEND	BRAZOS-COLORADO	FRESH	6,901	7,885	9,572	12,031	15,617	20,333
GULF COAST AQUIFER SYSTEM	FORT BEND	SAN JACINTO	FRESH	27,049	17,363	17,532	17,497	17,444	17,431
GULF COAST AQUIFER SYSTEM	FORT BEND	SAN JACINTO-BRAZOS	FRESH	53,490	40,641	45,660	50,171	53,872	56,557
GULF COAST AQUIFER SYSTEM	GALVESTON	NECHES-TRINITY	FRESH	0	0	0	0	0	1
GULF COAST AQUIFER SYSTEM	GALVESTON	SAN JACINTO-BRAZOS	FRESH	6,034	6,791	7,437	8,062	8,649	9,130
GULF COAST AQUIFER SYSTEM	HARRIS	SAN JACINTO	FRESH	400,179	280,602	187,920	199,916	207,958	215,189
GULF COAST AQUIFER SYSTEM	HARRIS	SAN JACINTO-BRAZOS	FRESH	6,306	6,954	7,616	8,282	8,818	9,397
GULF COAST AQUIFER SYSTEM	HARRIS	TRINITY-SAN JACINTO	FRESH	2,955	2,997	2,962	3,161	3,263	3,354
GULF COAST AQUIFER SYSTEM	LIBERTY	NECHES	FRESH	5,071	5,071	5,071	5,071	5,071	5,071
GULF COAST AQUIFER SYSTEM	LIBERTY	NECHES-TRINITY	FRESH	364	364	364	364	364	364
GULF COAST AQUIFER SYSTEM	LIBERTY	SAN JACINTO	FRESH	6,077	6,079	6,077	6,079	6,079	6,079
GULF COAST AQUIFER SYSTEM	LIBERTY	TRINITY	FRESH	22,867	22,867	22,867	22,867	22,867	22,867
GULF COAST AQUIFER SYSTEM	LIBERTY	TRINITY-SAN JACINTO	FRESH	8,850	8,850	8,850	8,850	8,850	8,850
GULF COAST AQUIFER SYSTEM	MONTGOMERY	SAN JACINTO	FRESH	61,629	61,629	61,629	61,629	61,629	61,629
GULF COAST AQUIFER SYSTEM	MONTGOMERY	SAN JACINTO	BRACKISH	8,761	8,761	8,761	8,761	8,761	8,761
GULF COAST AQUIFER SYSTEM	POLK	TRINITY	FRESH	21,810	21,810	21,810	21,810	21,810	21,810
GULF COAST AQUIFER SYSTEM	SAN JACINTO	SAN JACINTO	FRESH	10,380	10,380	10,380	10,380	10,380	10,380
GULF COAST AQUIFER SYSTEM	SAN JACINTO	TRINITY	FRESH	10,603	10,603	10,603	10,603	10,603	10,603
GULF COAST AQUIFER SYSTEM	TRINITY	TRINITY	FRESH	100	318	322	339	339	339

\*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.

### Region H Source Availability

GROUNDWATER SOURCE TYPE				SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY *	2020	2030	2040	2050	2060	2070
GULF COAST AQUIFER SYSTEM	WALKER	SAN JACINTO	FRESH	9,107	9,107	9,107	9,107	9,107	9,107
GULF COAST AQUIFER SYSTEM	WALKER	TRINITY	FRESH	8,866	8,866	8,866	8,866	8,866	8,866
GULF COAST AQUIFER SYSTEM	WALLER	BRAZOS	FRESH	14,919	14,919	14,919	14,919	14,919	14,919
GULF COAST AQUIFER SYSTEM	WALLER	SAN JACINTO	FRESH	26,674	26,674	26,674	26,674	26,674	26,674
QUEEN CITY AQUIFER	LEON	BRAZOS	FRESH	245	245	245	245	245	245
QUEEN CITY AQUIFER	LEON	TRINITY	FRESH	349	349	349	349	349	349
QUEEN CITY AQUIFER	MADISON	BRAZOS	FRESH	1	1	1	1	1	1
QUEEN CITY AQUIFER	MADISON	TRINITY	FRESH	379	379	379	379	379	379
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	0	0	0	0	0	0
SPARTA AQUIFER	LEON	TRINITY	FRESH	21	21	21	21	21	21
SPARTA AQUIFER	MADISON	BRAZOS	FRESH	7	9	9	9	9	9
SPARTA AQUIFER	MADISON	TRINITY	FRESH	3,313	3,313	3,313	3,313	3,313	3,313
SPARTA AQUIFER	TRINITY	TRINITY	FRESH	29	29	29	29	29	29
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	8	8	8	8	8	8
YEGUA-JACKSON AQUIFER	MADISON	TRINITY	FRESH	802	802	802	802	802	802
YEGUA-JACKSON AQUIFER	POLK	TRINITY	FRESH	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
<b>GROUNDWATER TOTAL SOURCE AVAILABILITY</b>				<b>916,291</b>	<b>772,547</b>	<b>696,880</b>	<b>726,156</b>	<b>751,591</b>	<b>776,160</b>

REUSE SOURCE TYPE				SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY *	2020	2030	2040	2050	2060	2070
DIRECT REUSE	BRAZORIA	BRAZOS	FRESH	0	0	0	0	0	0
DIRECT REUSE	BRAZORIA	SAN JACINTO-BRAZOS	FRESH	3,721	4,561	4,561	4,561	4,561	4,561
DIRECT REUSE	CHAMBERS	NECHES-TRINITY	FRESH	0	0	0	0	0	0
DIRECT REUSE	FORT BEND	BRAZOS	FRESH	695	695	695	695	695	695
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	1,587	1,587	1,587	1,587	1,587	1,587
DIRECT REUSE	GALVESTON	SAN JACINTO-BRAZOS	FRESH	1,257	1,257	1,257	1,257	1,257	1,257
DIRECT REUSE	HARRIS	SAN JACINTO	FRESH	8,675	8,675	8,675	8,675	8,675	8,675
DIRECT REUSE	HARRIS	SAN JACINTO-BRAZOS	FRESH	1,521	1,521	1,521	1,521	1,521	1,521
DIRECT REUSE	LEON	TRINITY	FRESH	58	58	58	58	58	58

\*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.

### Region H Source Availability

REUSE SOURCE TYPE				SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY *	2020	2030	2040	2050	2060	2070
DIRECT REUSE	MONTGOMERY	SAN JACINTO	FRESH	1,773	1,773	1,773	1,773	1,773	1,773
DIRECT REUSE	WALLER	SAN JACINTO	FRESH	16	16	16	16	16	16
INDIRECT REUSE	HARRIS	SAN JACINTO	FRESH	20,574	20,790	21,029	21,278	21,544	21,679
INDIRECT REUSE	MONTGOMERY	SAN JACINTO	FRESH	6,797	7,840	8,870	9,856	10,938	12,235
INDIRECT REUSE	WALKER	SAN JACINTO	FRESH	2,240	2,240	2,240	2,240	2,240	2,240
<b>REUSE TOTAL SOURCE AVAILABILITY</b>				<b>50,963</b>	<b>53,062</b>	<b>54,331</b>	<b>55,566</b>	<b>56,914</b>	<b>58,346</b>

SURFACE WATER SOURCE TYPE				SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY *	2020	2030	2040	2050	2060	2070
BRAZOS RUN-OF-RIVER	BRAZORIA	BRAZOS	FRESH	167,759	170,768	173,777	176,786	179,795	182,808
BRAZOS RUN-OF-RIVER	FORT BEND	BRAZOS	FRESH	296,430	297,888	299,346	300,804	302,262	303,727
BRAZOS RUN-OF-RIVER	WALLER	BRAZOS	FRESH	61	61	61	61	61	61
BRAZOS-COLORADO RUN-OF-RIVER	BRAZORIA	BRAZOS-COLORADO	FRESH	11,729	11,729	11,729	11,729	11,729	11,729
CONROE LAKE/RESERVOIR	RESERVOIR	SAN JACINTO	FRESH	79,500	78,700	77,900	77,100	76,400	75,600
HOUSTON LAKE/RESERVOIR	RESERVOIR	SAN JACINTO	FRESH	176,800	173,600	170,600	167,500	163,600	156,400
LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	RESERVOIR	TRINITY	FRESH	1,344,000	1,344,000	1,344,000	1,344,000	1,344,000	1,344,000
NECHES RUN-OF-RIVER	LIBERTY	NECHES	FRESH	176	176	176	176	176	176
NECHES-TRINITY RUN-OF-RIVER	CHAMBERS	NECHES-TRINITY	FRESH	37,481	37,481	37,481	37,481	37,481	37,481
SAN JACINTO RUN-OF-RIVER	HARRIS	SAN JACINTO	FRESH	12,477	12,477	12,477	12,477	12,477	12,477
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	32,599	32,599	32,599	32,599	32,599	32,599
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
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	WALKER	TRINITY	FRESH	460	460	460	460	460	460
TRINITY RUN-OF-RIVER	TRINITY	TRINITY	FRESH	34	34	34	34	34	34
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	2,420	2,420	2,420	2,420	2,420	2,420
TRINITY-SAN JACINTO RUN-OF-RIVER	LIBERTY	TRINITY-SAN JACINTO	FRESH	1,904	1,904	1,904	1,904	1,904	1,904
<b>SURFACE WATER TOTAL SOURCE AVAILABILITY</b>				<b>2,308,177</b>	<b>2,308,644</b>	<b>2,309,311</b>	<b>2,309,878</b>	<b>2,309,745</b>	<b>2,306,223</b>

<b>REGION H TOTAL SOURCE AVAILABILITY</b>				<b>3,275,431</b>	<b>3,134,253</b>	<b>3,060,522</b>	<b>3,091,600</b>	<b>3,118,250</b>	<b>3,140,729</b>
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\*Salinity field indicates whether the source availability is considered 'fresh' (less than 1,000 mg/L), 'brackish' (1,000 to 10,000 mg/L), 'saline' (10,001 mg/L to 34,999 mg/L), or 'seawater' (35,000 mg/L or greater). Sources can also be labeled as 'fresh/brackish' or 'brackish/saline', if a combination of the salinity types is appropriate.

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**APPENDIX TM-B2  
TWDB DB22 REPORT:  
COMPARISON OF SOURCE AVAILABILITY TO 2016 RWP**

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### Region H Source Data Comparison to 2016 Regional Water Plan (RWP)

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
<b>AUSTIN COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	30,778	30,762	-0.1%	30,778	30,762	-0.1%
<b>BRAZORIA COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	50,396	50,417	0.0%	50,396	50,720	0.6%
REUSE AVAILABILITY TOTAL (acre-feet per year)	1,672	3,721	122.5%	2,512	4,561	81.6%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	203,569	212,087	4.2%	218,618	227,136	3.9%
<b>CHAMBERS COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	21,707	22,951	5.7%	21,707	22,951	5.7%
REUSE AVAILABILITY TOTAL (acre-feet per year)	399	0	-100.0%	399	0	-100.0%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	129,748	99,531	-23.3%	129,748	99,531	-23.3%
<b>FORT BEND COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	108,705	129,773	19.4%	92,490	167,081	80.6%
REUSE AVAILABILITY TOTAL (acre-feet per year)	1,874	4,331	131.1%	1,874	4,331	131.1%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	253,591	302,233	19.2%	260,888	309,530	18.6%
<b>GALVESTON COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	5,257	6,034	14.8%	5,815	9,131	57.0%
REUSE AVAILABILITY TOTAL (acre-feet per year)	1,042	1,257	20.6%	1,042	1,257	20.6%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	36	36	0.0%	36	36	0.0%
<b>HARRIS COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	262,946	409,440	55.7%	210,976	227,940	8.0%
REUSE AVAILABILITY TOTAL (acre-feet per year)	19,564	30,770	57.3%	19,564	31,875	62.9%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	15,097	15,285	1.2%	15,097	15,285	1.2%
<b>LEON COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	15,094	14,903	-1.3%	15,815	15,639	-1.1%
REUSE AVAILABILITY TOTAL (acre-feet per year)	27	58	114.8%	27	58	114.8%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	156	158	1.3%	156	158	1.3%
<b>LIBERTY COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	43,033	43,229	0.5%	43,033	43,231	0.5%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	52,982	51,172	-3.4%	52,982	51,172	-3.4%
<b>MADISON COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	7,670	7,372	-3.9%	7,353	7,056	-4.0%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	169	169	0.0%	169	169	0.0%
<b>MONTGOMERY COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	66,020	70,390	6.6%	66,020	70,390	6.6%
REUSE AVAILABILITY TOTAL (acre-feet per year)	1,806	8,570	374.5%	1,806	14,008	675.6%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	141	141	0.0%	141	141	0.0%
<b>POLK COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	21,830	21,810	-0.1%	21,783	21,810	0.1%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	26,510	26,510	0.0%	26,510	26,510	0.0%
<b>RESERVOIR COUNTY</b>						
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	1,602,300	1,600,300	-0.1%	1,588,800	1,576,000	-0.8%
<b>SAN JACINTO COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	19,179	20,983	9.4%	19,179	20,983	9.4%
<b>TRINITY COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	3,594	2,419	-32.7%	3,594	2,658	-26.0%
<b>WALKER COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	32,204	32,188	0.0%	32,128	32,188	0.2%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	439	460	4.8%	439	460	4.8%

**Region H Source Data Comparison to 2016 Regional Water Plan (RWP)**

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
<b>WALLER COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	53,654	53,620	-0.1%	53,654	53,620	-0.1%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	61	61	0.0%	61	61	0.0%
<b>REGION H</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	742,067	916,291	23.5%	674,721	776,160	15.0%
REUSE AVAILABILITY TOTAL (acre-feet per year)	26,384	48,707	84.6%	27,224	56,090	106.0%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	2,284,799	2,308,143	1.0%	2,293,645	2,306,189	0.5%



## **APPENDIX TM-C**

### **Documentation of Model Files Used in Compiling Available Water Supplies**

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**APPENDIX TM-C1  
HYDROLOGIC VARIANCE REQUEST LETTER AND APPROVAL**

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May 29, 2018

Agricultural  
Robert Bruner  
Pudge Willcox,  
Executive Committee

Counties  
John Blount  
Judge Mark Evans, Chair  
Judge Art Henson

Electric Generating Utilities  
Vacant

Environmental  
John R. Bartos,  
Executive Committee

Groundwater Management Areas  
David Bailey  
Kathy Jones

Industries  
James Comin  
Glenn Lord

Municipalities  
Yvonne Forrest  
Robert Istre

Public  
Carl Masterson

River Authorities  
Brad Brunett  
Jace Houston, Secretary  
Kevin Ward

Small Businesses  
Judge Bob Hebert  
Ruth Stultz  
Vacant

Water Districts  
Marvin Marcell  
Mike Turco  
Jimmie Schindewolf

Water Utilities  
Ivan Langford  
James Morrison  
William Teer

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

**Re:** Request for Modifications to TCEQ Water Availability Models

Dear Mr. Walker:

The Region H Water Planning Group (RHWPG) considered and took action recommending the use of alternatives to the unmodified TCEQ WAM Run 3 models as a basis for determining firm water supplies for the 2021 Regional Water Plan (RWP) at its April 4, 2018 meeting. After consideration of TWDB guidance and the results of review of the TCEQ WAM Run 3 models by the Region H Consultant Team, the RHWPG requests TWDB's approval for exceptions to modeling requirements for the Trinity, San Jacinto, 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 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.
- San Jacinto Basin – Application of alternate reservoir conservation pool capacities to reflect water right holder operational procedures.
- 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 requested exceptions are described in greater detail in *Attachment A* to this letter. Please feel free to contact myself or Philip Taucer of Freese and Nichols at 713-600-6835 with any questions regarding this request. Thank you for your consideration on this matter.

Sincerely,



Mark Evans, Chair  
Region H Water Planning Group

**Attachment A**

**Proposed Region H Modifications to the TCEQ WAMs**

## **Overview**

At its April 4, 2018 meeting, the Region H Water Planning Group (RHWPG) considered and took action recommending the use of alternatives to the unmodified TCEQ WAM Run 3 models as a basis for determining firm water supplies for the 2021 Regional Water Plan (RWP). The proposed exceptions, which are discussed by basin in the following sections, build upon the existing TCEQ WAM Run 3 with modifications to reflect right or basin-specific factors for Regional Planning purposes.

### **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 April 10, 2018 letter from Region C to TWDB, is based upon a draft version of the TCEQ WAM Run 3 provided by TCEQ to Region C in December of 2017, which incorporates major water right amendments granted by TCEQ but not yet available on the TCEQ website at that time. The proposed model, as indicated in the Region C letter, also includes further modifications to reflect operation of groups of reservoirs as systems, adjustment of pool elevations where appropriate, 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 firm yield in the lower Trinity River Basin in the 2001, 2006, 2011, and 2016 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 to include a limited quantity of return flows in the Trinity River Basin.

### **San Jacinto River Basin WAM**

Changes in reservoir conservation pool elevation operations have been discussed for the San Jacinto Basin. Region H therefore requests an exception to allow modification to the WAM Run 3 for the San Jacinto River Basin to reflect applicable adjustments to reservoir conservation pool levels.

### **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. This model is inclusive of the San Jacinto-Brazos Coastal Basin. This model, as noted in the February 23, 2018 letter from HDR 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 modifications to extend the modeled period of record, 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.

### **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 Run 3 WAM for the Colorado River Basin), the RHWPG identified opportunities to adjust model code to facilitate determination of firm yield and reflect annual streamflow diversion limits as specified in water right permits.

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.

Certificate of Adjudication (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.



# Texas Water Development Board

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

July 6, 2018

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

RE: Region H Regional Water Planning Group (RWPG) request for approval to modify existing surface water availability hydrologic assumptions for development of the 2021 Region H Regional Water Plan (RWP)

Dear Mr. Evans:

The Texas Water Development Board (TWDB) has reviewed your request dated May 29, 2018 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 requests:

1. Use of the modified Trinity River Basin Water Availability Model (WAM) approved for use by the Region C RWPG in analysis of Trinity River Basin water rights.
2. Include a limited quantity of return flows in the Trinity River Basin.
3. Use of the modified Brazos River Basin WAM approved for use by the Region G RWPG, for analysis of the Brazos River and San Jacinto-Brazos Coastal Basins.
4. Modify the Colorado WAM RUN3 to adjust multiple water rights within the Brazos-Colorado Coastal Basin.

Through subsequent clarification of the submitted letter from the RWPG consultant, it was determined that the requested variance to modify reservoir conservation pool elevation levels for the San Jacinto River Basin is not being used. The RWPG must submit a follow up hydrologic variance request with additional details on this specific exception, should Region H determine this variance to be necessary at a later date.

For the purpose of evaluating potentially feasible water management strategies, the appropriate Texas Commission on Environmental Quality's WAM RUN3 is to be used, unless a hydrologic variance request for future surface water source availabilities is submitted and approved.

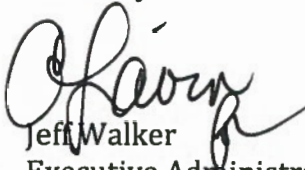
Our Mission	:	Board Members
To provide leadership, information, education, and support for planning, financial assistance, and outreach for the conservation and responsible development of water for Texas	:	Peter M. Lake, Chairman   Kathleen Jackson, Board Member   Brooke T. Paup, Board Member
	:	Jeff Walker, Executive Administrator

Mark Evans  
July 6, 2018  
Page 2

While the TWDB has authorized these modifications to evaluate existing water supplies for development of the 2021 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 contract Exhibit C, *Second Amended General Guidelines for Fifth Cycle of Regional Water Plan Development*.

If you have any questions, please do not hesitate to contact Lann Bookout, project manager for Region H, at 512-936-9439 or via email at [lann.bookout@twdb.texas.gov](mailto:lann.bookout@twdb.texas.gov).

Sincerely,



Jeff Walker  
Executive Administrator

- c: Jace Houston, General Manager, San Jacinto River Authority
- Jason Afinowicz, Freese and Nichols, Inc.
- Lann Bookout, Project Manager
- David Dunn, HDR, Inc. (Region G)
- Amy Kaarlela, Freese and Nichols, Inc. (Region C)

**APPENDIX TM-C2  
SUMMARY OF MODEL RUNS TO DETERMINE SURFACE WATER SOURCE  
AVAILABILITY**

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**Table TM-C2 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	2/1/2018	Reduced model period to 59 Years (1940 - 1998) due to lack of hydrology information for Brazos-Colorado coastal basin	7/6/2018	Brazos-Colorado Run-of-River (portion of availability associated with water rights 13-3433 and 13-5331)	FNI	7/17/2018
C3_FNI3421	Colorado/Brazos-Colorado	2/1/2018	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	7/6/2018	Brazos-Colorado Run-of-River (portion of availability associated with the portion of water right 13-3421 in Region H)	FNI	5/8/2018
C3_FNI3423	Colorado/Brazos-Colorado	2/1/2018	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	7/6/2018	Brazos-Colorado Run-of-River (portion of availability associated with water right 13-3423)	FNI	5/8/2018
neches3	Neches	10/1/2012	n/a	n/a	Neches Run-of-River	FNI	3/16/2018
NT3	Neches-Trinity	1/2/2013	n/a	n/a	Neches-Trinity Run-of-River	FNI	3/8/2018
sjarun3_ROR	San Jacinto	9/24/2014	n/a	n/a	San Jacinto Run-of-River	FNI	11/22/2017
sja3_2020_conroe	San Jacinto	9/24/2014	2020 sedimentation of major reservoirs	n/a	Conroe Lake/Reservoir	FNI	3/29/2018
sja3_2030_conroe	San Jacinto	9/24/2014	2030 sedimentation of major reservoirs	n/a	Conroe Lake/Reservoir	FNI	3/29/2018
sja3_2040_conroe	San Jacinto	9/24/2014	2040 sedimentation of major reservoirs	n/a	Conroe Lake/Reservoir	FNI	3/29/2018
sja3_2050_conroe	San Jacinto	9/24/2014	2050 sedimentation of major reservoirs	n/a	Conroe Lake/Reservoir	FNI	3/29/2018
sja3_2060_conroe	San Jacinto	9/24/2014	2060 sedimentation of major reservoirs	n/a	Conroe Lake/Reservoir	FNI	3/29/2018
sja3_2070_conroe	San Jacinto	9/24/2014	2070 sedimentation of major reservoirs	n/a	Conroe Lake/Reservoir	FNI	3/29/2018
sja3_2020_houston	San Jacinto	9/24/2014	2020 sedimentation of major reservoirs	n/a	Houston Lake/Reservoir	FNI	3/29/2018
sja3_2030_houston	San Jacinto	9/24/2014	2030 sedimentation of major reservoirs	n/a	Houston Lake/Reservoir	FNI	3/29/2018
sja3_2040_houston	San Jacinto	9/24/2014	2040 sedimentation of major reservoirs	n/a	Houston Lake/Reservoir	FNI	3/29/2018
sja3_2050_houston	San Jacinto	9/24/2014	2050 sedimentation of major reservoirs	n/a	Houston Lake/Reservoir	FNI	3/29/2018
sja3_2060_houston	San Jacinto	9/24/2014	2060 sedimentation of major reservoirs	n/a	Houston Lake/Reservoir	FNI	3/29/2018
sja3_2070_houston	San Jacinto	9/24/2014	2070 sedimentation of major reservoirs	n/a	Houston Lake/Reservoir	FNI	3/29/2018
TSJ3	Trinity-San Jacinto	1/2/2013	n/a	n/a	Trinity-San Jacinto Run-of-River	FNI	12/22/2017
trin3_NoSed	Trinity	10/7/2014	Modifications by Region C RWPG	7/6/2018	Trinity Run-of-River	FNI	6/4/2018

**Notes**

\* Availability for Livingston-Wallisville Lake/Reservoir System, Brazos Run-of-River, and San Jacinto-Brazos Run-of-River from the modeling for the 2016 RWP is being applied as draft availability for the 2021 RWP, pending completion of updated model modifications for the fifth cycle of regional planning.

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**APPENDIX TM-C3  
ORIGINAL AND MODIFIED SURFACE WATER SOURCE AVAILABILITY**

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**Table TM-C3.A Original and Modified Firm Yield for Reservoirs**

Basin	Reservoir	Unmodified WAM Firm Yield (ac-ft/yr)						Modified WAM Firm Yield (ac-ft/yr)					
		2020	2030	2040	2050	2060	2070	2020	2030	2040	2050	2060	2070
Trinity*	Livingston-Wallisville Lake/Reservoir System	1,111,300	1,111,080	1,110,860	1,110,640	1,110,420	1,110,200	1,344,000	1,344,000	1,344,000	1,344,000	1,344,000	1,344,000

**Notes**

\* Availability for Livingston-Wallisville Lake/Reservoir System from the 2016 RWP is being applied as draft availability for the 2021 RWP, pending completion of updated model modifications for the fifth cycle of regional planning.

**Table TM-C3.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)					
			2020	2030	2040	2050	2060	2070	2020	2030	2040	2050	2060	2070
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	167,759	170,768	173,777	176,786	179,795	182,808
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	278,765	296,430	297,888	299,346	300,804	302,262	303,727
Brazos*	Waller	MULTIPLE / 12-5319, 12-4009	61	61	61	61	61	61	61	61	61	61	61	61
Brazos-Colorado	Brazoria	MULTIPLE / 13-3421, 13-3423, 13-3433, 13-5331, 13-5446	1,824	1,824	1,824	1,824	1,824	1,824	11,729	11,729	11,729	11,729	11,729	11,729
San Jacinto-Brazos*	Brazoria	MULTIPLE / SEE SOURCE AVAILABILITY COMMENTS	32,599	32,599	32,599	32,599	32,599	32,599	32,599	32,599	32,599	32,599	32,599	32,599
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	5,803
San Jacinto-Brazos*	Galveston	SINGLE / 11-5362	36	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	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	60,838
Trinity	Leon	MULTIPLE / 08-4238, 08-5083, 08-5085	159	159	159	159	159	159	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	49,023	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	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	26,510
Trinity	Trinity	SINGLE / 08-4256	0	0	0	0	0	0	34	34	34	34	34	34
Trinity	Walker	MULTIPLE / 08-4249, 08-4250, 08-4253	460	460	460	460	460	460	460	460	460	460	460	460

**Notes**

\* Modified availability for Brazos Run-of-River and San Jacinto-Brazos Run-of-River is based on modeling for the 2016 RWP, pending completion of updated model modifications for the fifth cycle of regional planning.

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**APPENDIX TM-D**

**TWDB DB22 Reports Related to Allocation of Water Supplies to Meet  
Projected Demands**

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**APPENDIX TM-D1  
TWDB DB22 REPORT:  
WUG EXISTING WATER SUPPLIES**

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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
AUSTIN COUNTY WSC	H	GULF COAST AQUIFER SYSTEM   AUSTIN COUNTY	229	257	288	328	374	426
BELLVILLE	H	GULF COAST AQUIFER SYSTEM   AUSTIN COUNTY	1,126	1,191	1,264	1,359	1,470	1,594
SEALY	H	GULF COAST AQUIFER SYSTEM   AUSTIN COUNTY	1,377	1,513	1,667	1,859	2,081	2,329
WEST END WSC	H	GULF COAST AQUIFER SYSTEM   AUSTIN COUNTY	179	196	211	230	252	276
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   AUSTIN COUNTY	1,617	1,668	1,668	1,668	1,668	1,668
MANUFACTURING	H	GULF COAST AQUIFER SYSTEM   AUSTIN COUNTY	69	74	74	74	74	74
MINING	H	GULF COAST AQUIFER SYSTEM   AUSTIN COUNTY	97	97	97	97	97	69
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   AUSTIN COUNTY	852	852	852	852	852	852
IRRIGATION	H	GULF COAST AQUIFER SYSTEM   AUSTIN COUNTY	2,222	2,222	2,222	2,222	2,222	2,222
<b>BRAZOS BASIN TOTAL</b>			<b>7,768</b>	<b>8,070</b>	<b>8,343</b>	<b>8,689</b>	<b>9,090</b>	<b>9,510</b>
AUSTIN COUNTY WSC	H	GULF COAST AQUIFER SYSTEM   AUSTIN COUNTY	19	21	24	27	31	35
SEALY	H	GULF COAST AQUIFER SYSTEM   AUSTIN COUNTY	3	3	3	4	4	5
WALLIS	H	GULF COAST AQUIFER SYSTEM   AUSTIN COUNTY	160	164	170	180	192	207
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   AUSTIN COUNTY	421	487	487	487	487	487
MANUFACTURING	H	GULF COAST AQUIFER SYSTEM   AUSTIN COUNTY	37	40	40	40	40	40
MINING	H	GULF COAST AQUIFER SYSTEM   AUSTIN COUNTY	28	28	28	28	28	20
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   AUSTIN COUNTY	239	239	239	239	239	239
IRRIGATION	H	GULF COAST AQUIFER SYSTEM   AUSTIN COUNTY	3,785	3,785	3,785	3,785	3,785	3,785
<b>BRAZOS-COLORADO BASIN TOTAL</b>			<b>4,692</b>	<b>4,767</b>	<b>4,776</b>	<b>4,790</b>	<b>4,806</b>	<b>4,818</b>
WEST END WSC	H	GULF COAST AQUIFER SYSTEM   AUSTIN COUNTY	20	22	24	26	29	32
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   AUSTIN COUNTY	16	18	21	25	29	31
MINING	H	GULF COAST AQUIFER SYSTEM   AUSTIN COUNTY	2	2	2	2	2	1
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   AUSTIN COUNTY	17	17	17	17	17	17
<b>COLORADO BASIN TOTAL</b>			<b>55</b>	<b>59</b>	<b>64</b>	<b>70</b>	<b>77</b>	<b>81</b>
<b>AUSTIN COUNTY TOTAL</b>			<b>12,515</b>	<b>12,896</b>	<b>13,183</b>	<b>13,549</b>	<b>13,973</b>	<b>14,409</b>
BRAZORIA	H	BRAZOS RUN-OF-RIVER	104	108	112	112	109	106
FREEPORT	H	BRAZOS RUN-OF-RIVER	148	150	153	157	163	170
LAKE JACKSON	H	BRAZOS RUN-OF-RIVER	13	12	13	14	14	13
LAKE JACKSON	H	GULF COAST AQUIFER SYSTEM   BRAZORIA COUNTY	20	20	19	18	18	20
VARNER CREEK UD	H	GULF COAST AQUIFER SYSTEM   BRAZORIA COUNTY	210	204	186	170	163	161
WEST COLUMBIA	H	GULF COAST AQUIFER SYSTEM   BRAZORIA COUNTY	297	279	264	257	249	244
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   BRAZORIA COUNTY	969	1,094	1,218	1,302	1,319	1,300
MANUFACTURING	H	BRAZOS RUN-OF-RIVER	6,536	6,645	6,753	6,862	6,971	7,079
MANUFACTURING	H	GULF COAST AQUIFER SYSTEM   BRAZORIA COUNTY	108	147	130	112	100	91
MINING	H	GULF COAST AQUIFER SYSTEM   BRAZORIA COUNTY	135	135	127	116	111	110
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   BRAZORIA COUNTY	107	107	100	92	88	87
IRRIGATION	H	BRAZOS RUN-OF-RIVER	2,712	2,712	2,712	2,712	2,712	2,712
IRRIGATION	H	GULF COAST AQUIFER SYSTEM   BRAZORIA COUNTY	1,293	1,293	1,212	1,113	1,066	1,052
<b>BRAZOS BASIN TOTAL</b>			<b>12,652</b>	<b>12,906</b>	<b>12,999</b>	<b>13,037</b>	<b>13,083</b>	<b>13,145</b>
BRAZORIA	H	BRAZOS RUN-OF-RIVER	249	245	241	241	244	247
FREEPORT	H	BRAZOS RUN-OF-RIVER	1	1	1	1	1	1
SWEENEY	H	GULF COAST AQUIFER SYSTEM   BRAZORIA COUNTY	418	399	382	367	357	349
WEST COLUMBIA	H	GULF COAST AQUIFER SYSTEM   BRAZORIA COUNTY	54	51	48	46	45	44
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   BRAZORIA COUNTY	3,010	2,951	2,894	2,809	2,723	2,645
MANUFACTURING	H	BRAZOS-COLORADO RUN-OF-RIVER	11,729	11,729	11,729	11,729	11,729	11,729
MANUFACTURING	H	GULF COAST AQUIFER SYSTEM   BRAZORIA COUNTY	1,607	1,575	1,545	1,499	1,454	1,412
MINING	H	GULF COAST AQUIFER SYSTEM   BRAZORIA COUNTY	201	197	193	188	182	177





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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
<b>SAN JACINTO-BRAZOS BASIN TOTAL</b>			<b>281,217</b>	<b>283,390</b>	<b>285,290</b>	<b>287,441</b>	<b>289,717</b>	<b>292,023</b>
<b>BRAZORIA COUNTY TOTAL</b>			<b>314,686</b>	<b>316,922</b>	<b>318,733</b>	<b>320,668</b>	<b>322,744</b>	<b>324,889</b>
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	584	584	584	584	584	584
TRINITY BAY CONSERVATION DISTRICT	H	TRINITY RUN-OF-RIVER	730	730	730	730	730	730
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   CHAMBERS COUNTY	122	143	165	189	216	245
MINING	H	GULF COAST AQUIFER SYSTEM   CHAMBERS COUNTY	3,316	3,316	3,316	3,316	3,316	3,316
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   CHAMBERS COUNTY	280	280	280	280	280	280
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	37,474	37,474	37,474	37,474	37,474	37,474
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	33,920	33,920	33,920	33,920	33,920	33,920
<b>NECHES-TRINITY BASIN TOTAL</b>			<b>131,297</b>	<b>131,319</b>	<b>131,342</b>	<b>131,367</b>	<b>131,393</b>	<b>131,421</b>
ANAHUAC	H	TRINITY RUN-OF-RIVER	53	52	51	50	51	52
MONT BELVIEU	H	GULF COAST AQUIFER SYSTEM   CHAMBERS COUNTY	2,075	2,636	2,791	2,791	2,791	2,791
TRINITY BAY CONSERVATION DISTRICT	I	SAM RAYBURN-STEINHAGEN LAKE/RESERVOIR SYSTEM	153	153	153	153	153	153
TRINITY BAY CONSERVATION DISTRICT	H	TRINITY RUN-OF-RIVER	191	191	191	191	191	191
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   CHAMBERS COUNTY	1,053	1,228	1,418	1,631	1,865	2,113
MANUFACTURING	H	GULF COAST AQUIFER SYSTEM   CHAMBERS COUNTY	1,474	1,474	1,474	1,474	1,474	1,474
MINING	H	GULF COAST AQUIFER SYSTEM   CHAMBERS COUNTY	956	956	956	956	956	956
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   CHAMBERS COUNTY	74	74	74	74	74	74
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
<b>TRINITY BASIN TOTAL</b>			<b>15,889</b>	<b>16,624</b>	<b>16,968</b>	<b>17,180</b>	<b>17,415</b>	<b>17,664</b>
BAYTOWN	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	651	745	842	952	1,081	1,218
CHAMBERS COUNTY MUD 1	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	260	295	333	377	431	488
MONT BELVIEU	H	GULF COAST AQUIFER SYSTEM   CHAMBERS COUNTY	624	792	838	838	838	838
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   CHAMBERS COUNTY	386	452	522	598	684	776
COUNTY-OTHER	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	971	936	898	854	800	743
MANUFACTURING	H	GULF COAST AQUIFER SYSTEM   CHAMBERS COUNTY	972	972	972	972	972	972
MANUFACTURING	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	45,168	45,168	45,168	45,168	45,168	45,168
MINING	H	GULF COAST AQUIFER SYSTEM   CHAMBERS COUNTY	1,349	1,349	1,349	1,349	1,349	1,349
STEAM ELECTRIC POWER	H	GULF COAST AQUIFER SYSTEM   CHAMBERS COUNTY	120	120	120	120	120	120
STEAM ELECTRIC POWER	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	1,120	1,120	1,120	1,120	1,120	1,120
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   CHAMBERS COUNTY	143	143	143	143	143	143
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
<b>TRINITY-SAN JACINTO BASIN TOTAL</b>			<b>54,997</b>	<b>55,325</b>	<b>55,538</b>	<b>55,724</b>	<b>55,939</b>	<b>56,168</b>
<b>CHAMBERS COUNTY TOTAL</b>			<b>202,183</b>	<b>203,268</b>	<b>203,848</b>	<b>204,271</b>	<b>204,747</b>	<b>205,253</b>
FIRST COLONY MUD 9	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	376	281	289	298	303	303
FORT BEND COUNTY FWSD 2	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	201	163	183	204	223	239
FORT BEND COUNTY MUD 115	H	BRAZOS RUN-OF-RIVER	176	176	176	176	176	176
FORT BEND COUNTY MUD 115	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	182	48	50	50	51	51

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

WUG NAME	SOURCE	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
	REGION		2020	2030	2040	2050	2060	2070
FORT BEND COUNTY MUD 116	G	BRAZOS RIVER AUTHORITY MAIN STEM LAKE/RESERVOIR SYSTEM	275	275	275	275	275	275
FORT BEND COUNTY MUD 116	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	571	381	462	533	596	652
FORT BEND COUNTY MUD 121	G	BRAZOS RIVER AUTHORITY MAIN STEM LAKE/RESERVOIR SYSTEM	139	139	139	139	139	139
FORT BEND COUNTY MUD 121	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	325	184	183	182	182	182
FORT BEND COUNTY MUD 128	G	BRAZOS RIVER AUTHORITY MAIN STEM LAKE/RESERVOIR SYSTEM	292	292	292	292	292	292
FORT BEND COUNTY MUD 128	H	DIRECT REUSE	312	312	312	312	312	312
FORT BEND COUNTY MUD 128	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	681	386	384	383	382	382
FORT BEND COUNTY MUD 129	H	BRAZOS RUN-OF-RIVER	347	347	347	347	347	347
FORT BEND COUNTY MUD 129	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	357	47	48	48	49	49
FORT BEND COUNTY MUD 140	G	BRAZOS RIVER AUTHORITY MAIN STEM LAKE/RESERVOIR SYSTEM	151	151	151	151	151	151
FORT BEND COUNTY MUD 140	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	352	199	197	197	196	196
FORT BEND COUNTY MUD 149	H	BRAZOS RUN-OF-RIVER	60	60	60	60	60	60
FORT BEND COUNTY MUD 149	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	61	25	38	39	40	39
FORT BEND COUNTY MUD 152	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	152	121	132	131	131	131
FORT BEND COUNTY MUD 155	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	369	292	317	317	317	316
FORT BEND COUNTY MUD 158	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	233	184	200	200	200	200
FORT BEND COUNTY MUD 162	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	237	192	216	223	226	225
FORT BEND COUNTY MUD 187	G	BRAZOS RIVER AUTHORITY MAIN STEM LAKE/RESERVOIR SYSTEM	130	130	130	130	130	130
FORT BEND COUNTY MUD 187	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	304	170	169	168	168	168
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	120	70	72	76	78	80
FORT BEND COUNTY MUD 46	H	BRAZOS RUN-OF-RIVER	122	122	122	122	122	122
FORT BEND COUNTY MUD 46	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	22	9	15	16	16	16
FORT BEND COUNTY MUD 5	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	233	188	192	198	201	201
FORT BEND COUNTY MUD 81	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	1,339	1,467	1,640	1,823	1,980	2,110
FORT BEND COUNTY WCID 3	G	BRAZOS RIVER AUTHORITY MAIN STEM LAKE/RESERVOIR SYSTEM	145	145	145	145	145	145
FORT BEND COUNTY WCID 3	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	303	221	228	235	239	239
FULSHEAR	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	240	310	328	339	344	344
NEEDVILLE	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	121	122	124	129	135	142
NORTH FORT BEND WATER AUTHORITY	H	DIRECT REUSE	72	72	72	72	72	72
NORTH FORT BEND WATER AUTHORITY	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	80	62	469	773	915	954
NORTH FORT BEND WATER AUTHORITY	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	776	783	786	786	788	788
PECAN GROVE MUD 1	G	BRAZOS RIVER AUTHORITY MAIN STEM LAKE/RESERVOIR SYSTEM	3,100	3,100	3,100	3,100	3,100	3,100
PECAN GROVE MUD 1	H	BRAZOS RUN-OF-RIVER	2,398	2,408	2,418	2,427	2,437	2,447
PECAN GROVE MUD 1	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	1,416	814	825	853	867	869
PLANTATION MUD	H	DIRECT REUSE	6	6	6	6	6	6
PLANTATION MUD	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	383	270	274	281	284	284
QUADVEST	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	328	278	337	410	492	574
RICHMOND	G	BRAZOS RIVER AUTHORITY MAIN STEM LAKE/RESERVOIR SYSTEM	1,601	1,571	1,541	1,511	1,481	1,453
RICHMOND	H	DIRECT REUSE	263	263	263	263	263	263

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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
RICHMOND	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	1,132	664	728	816	890	944
ROSENBERG	H	BRAZOS RUN-OF-RIVER	6,383	6,383	6,383	6,383	6,383	6,383
ROSENBERG	H	DIRECT REUSE	426	426	426	426	426	426
ROSENBERG	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	2,355	1,215	1,340	1,493	1,645	1,793
ROYAL VALLEY UTILITIES	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	571	467	527	545	553	553
SIENNA PLANTATION	H	BRAZOS RUN-OF-RIVER	2,238	2,239	2,238	2,238	2,238	2,238
SIENNA PLANTATION	H	DIRECT REUSE	3	3	3	3	3	3
SIENNA PLANTATION	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	431	200	447	713	977	1,212
SUGAR LAND	H	BRAZOS RUN-OF-RIVER	15,994	13,369	13,601	13,858	14,097	14,254
SUGAR LAND	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	12,763	7,747	8,552	9,438	10,123	10,480
SUGAR LAND	H	SAN JACINTO-BRAZOS RUN-OF-RIVER	3,707	3,654	3,703	3,759	3,808	3,835
TDCJ JESTER UNITS	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	480	346	358	370	375	375
COUNTY-OTHER	G	BRAZOS RIVER AUTHORITY MAIN STEM LAKE/RESERVOIR SYSTEM	211	211	211	211	211	211
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	6,781	9,567	10,618	14,442	20,192	27,555
MANUFACTURING	G	BRAZOS RIVER AUTHORITY MAIN STEM LAKE/RESERVOIR SYSTEM	314	314	314	314	314	314
MANUFACTURING	H	BRAZOS RUN-OF-RIVER	509	500	491	482	473	464
MANUFACTURING	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	1,308	850	880	910	924	924
MINING	H	BRAZOS RUN-OF-RIVER	465	447	429	411	393	378
MINING	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	36	39	30	24	16	11
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	46,631	46,829	47,027	47,225	47,423	47,621
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	408	421	436	451	458	458
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	4,471	4,620	4,782	4,946	5,023	5,023
<b>BRAZOS BASIN TOTAL</b>			<b>222,033</b>	<b>212,412</b>	<b>216,297</b>	<b>222,943</b>	<b>230,921</b>	<b>239,744</b>
KENDLETON	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	163	207	246	287	324	358
NEEDVILLE	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	147	147	150	156	164	172
ROSENBERG	H	BRAZOS RUN-OF-RIVER	1	1	1	1	1	1
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	1,338	2,248	2,729	2,822	2,866	2,866
MINING	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	14	16	12	9	6	4
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	144	149	154	160	162	162
IRRIGATION	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	9,297	9,607	9,945	10,286	10,445	10,445
<b>BRAZOS-COLORADO BASIN TOTAL</b>			<b>11,104</b>	<b>12,375</b>	<b>13,237</b>	<b>13,721</b>	<b>13,968</b>	<b>14,008</b>
BLUE RIDGE WEST MUD	H	DIRECT REUSE	8	8	8	8	8	8
BLUE RIDGE WEST MUD	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	1,006	721	743	766	777	777
FORT BEND COUNTY WCID 2	H	BRAZOS RUN-OF-RIVER	831	1,516	1,680	1,839	2,007	2,200
FORT BEND COUNTY WCID 2	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	868	570	705	847	981	1,110
FULSHEAR	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	71	81	115	119	121	121
HOUSTON	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	3,119	1,910	2,036	2,168	2,265	2,314
HOUSTON	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	3,200	3,139	3,061	2,976	2,879	2,766
KATY	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	1,482	1,857	1,922	1,989	2,024	2,028
MEADOWS PLACE	H	DIRECT REUSE	26	26	26	26	26	26
MEADOWS PLACE	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	636	457	472	490	503	509
NORTH FORT BEND WATER AUTHORITY	H	DIRECT REUSE	1,036	1,045	1,049	1,051	1,052	1,052

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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
NORTH FORT BEND WATER AUTHORITY	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	27,527	20,089	26,684	31,209	33,470	34,245
NORTH FORT BEND WATER AUTHORITY	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	3,830	3,924	3,968	3,987	3,995	3,998
SUGAR LAND	H	BRAZOS RUN-OF-RIVER	373	556	532	510	496	486
SUGAR LAND	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	617	361	373	386	392	393
SUGAR LAND	H	SAN JACINTO-BRAZOS RUN-OF-RIVER	158	152	145	138	134	131
WEST HARRIS COUNTY REGIONAL WATER AUTHORITY	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	430	60	58	60	64	69
WEST HARRIS COUNTY REGIONAL WATER AUTHORITY	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	973	608	573	541	534	529
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	214	124	126	109	77	52
MANUFACTURING	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	130	85	88	91	92	92
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	49	51	52	54	55	55
IRRIGATION	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	273	282	292	302	307	307
<b>SAN JACINTO BASIN TOTAL</b>			<b>46,857</b>	<b>37,622</b>	<b>44,708</b>	<b>49,666</b>	<b>52,259</b>	<b>53,268</b>
BLUE RIDGE WEST MUD	H	DIRECT REUSE	1	1	1	1	1	1
BLUE RIDGE WEST MUD	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	88	63	66	67	68	68
FIRST COLONY MUD 9	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	1,202	896	924	953	968	967
FORT BEND COUNTY FWSD 1	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	73	60	68	75	82	88
FORT BEND COUNTY MUD 115	H	BRAZOS RUN-OF-RIVER	93	93	93	93	93	93
FORT BEND COUNTY MUD 115	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	96	26	27	28	28	28
FORT BEND COUNTY MUD 23	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	1,158	866	916	967	1,001	1,019
FORT BEND COUNTY MUD 24	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	146	115	125	124	124	124
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	838	489	507	529	546	555
FORT BEND COUNTY MUD 26	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	548	442	506	521	529	529
FORT BEND COUNTY MUD 42	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	770	624	643	664	673	673
FORT BEND COUNTY MUD 46	H	BRAZOS RUN-OF-RIVER	625	625	625	625	625	625
FORT BEND COUNTY MUD 46	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	154	61	104	106	108	107
FORT BEND COUNTY MUD 47	H	BRAZOS RUN-OF-RIVER	203	203	203	203	203	203
FORT BEND COUNTY MUD 47	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	53	18	31	30	30	30
FORT BEND COUNTY MUD 48	H	BRAZOS RUN-OF-RIVER	130	130	130	130	130	130
FORT BEND COUNTY MUD 48	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	145	11	10	9	9	9
FORT BEND COUNTY MUD 49	H	BRAZOS RUN-OF-RIVER	62	62	62	62	62	62
FORT BEND COUNTY MUD 49	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	72	26	26	26	25	25
FORT BEND COUNTY WCID 2	H	BRAZOS RUN-OF-RIVER	9,719	8,911	8,643	8,475	8,292	8,082
FORT BEND COUNTY WCID 2	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	4,232	3,063	3,629	4,227	4,778	5,295
FORT BEND COUNTY WCID 3	G	BRAZOS RIVER AUTHORITY MAIN STEM LAKE/RESERVOIR SYSTEM	16	16	16	16	16	16
FORT BEND COUNTY WCID 3	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	32	24	25	26	26	26
FULSHEAR	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	1,341	1,139	1,188	1,228	1,247	1,246
HOUSTON	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	2,010	1,231	1,311	1,396	1,459	1,491
HOUSTON	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	2,062	2,023	1,972	1,917	1,855	1,782
MEADOWCREEK MUD	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	351	283	291	301	305	305
MEADOWS PLACE	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	57	40	42	43	45	45
MISSOURI CITY	H	BRAZOS RUN-OF-RIVER	4,515	4,602	4,687	4,773	4,858	4,944
MISSOURI CITY	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	118	57	85	118	149	181
NORTH FORT BEND WATER AUTHORITY	H	DIRECT REUSE	845	852	856	857	858	858

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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
NORTH FORT BEND WATER AUTHORITY	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	6,703	6,836	7,620	8,076	8,514	8,832
NORTH FORT BEND WATER AUTHORITY	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	16,574	16,650	16,686	16,702	16,708	16,711
PALMER PLANTATION MUD 1	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	460	373	386	398	404	403
PALMER PLANTATION MUD 2	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	328	238	246	255	259	259
PEARLAND	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	704	701	809	907	992	1,088
PECAN GROVE MUD 1	G	BRAZOS RIVER AUTHORITY MAIN STEM LAKE/RESERVOIR SYSTEM	700	699	698	696	695	694
PECAN GROVE MUD 1	H	BRAZOS RUN-OF-RIVER	19	19	19	19	19	19
PECAN GROVE MUD 1	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	12	6	7	7	7	7
QUAIL VALLEY UD	H	DIRECT REUSE	634	634	634	634	634	634
QUAIL VALLEY UD	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	2,155	1,744	1,998	2,062	2,092	2,091
SIENNA PLANTATION	H	BRAZOS RUN-OF-RIVER	6,077	6,076	6,077	6,077	6,077	6,077
SIENNA PLANTATION	H	DIRECT REUSE	9	9	9	9	9	9
SIENNA PLANTATION	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	1,169	540	1,214	1,933	2,651	3,288
SUGAR LAND	H	BRAZOS RUN-OF-RIVER	4,177	6,700	6,575	6,421	6,278	6,213
SUGAR LAND	H	DIRECT REUSE	108	108	108	108	108	108
SUGAR LAND	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	6,206	3,934	4,159	4,367	4,480	4,529
SUGAR LAND	H	SAN JACINTO-BRAZOS RUN-OF-RIVER	1,773	1,832	1,790	1,741	1,696	1,672
TDCJ JESTER UNITS	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	716	516	532	550	559	559
THUNDERBIRD UD	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	1,082	876	903	933	946	946
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	5,361	3,230	4,315	5,686	6,688	7,370
MANUFACTURING	G	BRAZOS RIVER AUTHORITY MAIN STEM LAKE/RESERVOIR SYSTEM	647	647	647	647	647	647
MANUFACTURING	H	BRAZOS RUN-OF-RIVER	1,644	1,650	1,657	1,663	1,669	1,676
MANUFACTURING	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	1,929	1,252	1,296	1,340	1,361	1,361
MINING	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	10	6	5	4	2	2
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	140	144	149	155	157	157
IRRIGATION	H	GULF COAST AQUIFER SYSTEM   FORT BEND COUNTY	2,771	2,863	2,964	3,065	3,113	3,113
IRRIGATION	H	SAN JACINTO-BRAZOS RUN-OF-RIVER	165	165	165	165	165	165
<b>SAN JACINTO-BRAZOS BASIN TOTAL</b>			<b>94,484</b>	<b>85,956</b>	<b>89,935</b>	<b>93,666</b>	<b>96,579</b>	<b>98,693</b>
<b>FORT BEND COUNTY TOTAL</b>			<b>374,478</b>	<b>348,365</b>	<b>364,177</b>	<b>379,996</b>	<b>393,727</b>	<b>405,713</b>
BOLIVAR PENINSULA SUD	I	SAM RAYBURN-STEINHAGEN LAKE/RESERVOIR SYSTEM	6,000	6,000	6,000	6,000	6,000	6,000
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   GALVESTON COUNTY	1	1	1	1	1	2
MINING	H	GULF COAST AQUIFER SYSTEM   GALVESTON COUNTY	8	8	9	10	11	11
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   GALVESTON COUNTY	6	6	6	6	6	6
IRRIGATION	H	GULF COAST AQUIFER SYSTEM   GALVESTON COUNTY	6	6	6	6	6	6
<b>NECHES-TRINITY BASIN TOTAL</b>			<b>6,021</b>	<b>6,021</b>	<b>6,022</b>	<b>6,023</b>	<b>6,024</b>	<b>6,025</b>
BACLIFF MUD	H	BRAZOS RUN-OF-RIVER	1,162	1,169	1,176	1,182	1,189	1,196
BACLIFF MUD	H	DIRECT REUSE	68	68	68	68	68	68
BACLIFF MUD	H	GULF COAST AQUIFER SYSTEM   GALVESTON COUNTY	5	5	5	5	5	5
BAYVIEW MUD	H	BRAZOS RUN-OF-RIVER	380	381	384	385	388	390
BAYVIEW MUD	H	GULF COAST AQUIFER SYSTEM   GALVESTON COUNTY	15	15	16	17	17	18
FRIENDSWOOD	H	GULF COAST AQUIFER SYSTEM   GALVESTON COUNTY	557	577	605	640	682	729
FRIENDSWOOD	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	11,804	11,481	11,262	11,038	10,820	10,572
GALVESTON	H	BRAZOS RUN-OF-RIVER	26,878	26,999	27,120	27,238	27,354	27,472
GALVESTON	H	GULF COAST AQUIFER SYSTEM   GALVESTON COUNTY	1,572	1,742	1,828	1,924	2,016	2,115
GALVESTON COUNTY FWSD 6	H	BRAZOS RUN-OF-RIVER	351	353	356	358	360	362

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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
GALVESTON COUNTY MUD 12	H	BRAZOS RUN-OF-RIVER	440	442	445	448	450	453
GALVESTON COUNTY MUD 12	H	GULF COAST AQUIFER SYSTEM   GALVESTON COUNTY	27	26	26	25	25	25
GALVESTON COUNTY WCID 1	H	BRAZOS RUN-OF-RIVER	2,915	2,938	2,962	2,986	3,010	3,034
GALVESTON COUNTY WCID 1	H	DIRECT REUSE	383	383	383	383	383	383
GALVESTON COUNTY WCID 1	H	GULF COAST AQUIFER SYSTEM   GALVESTON COUNTY	297	324	354	387	422	459
GALVESTON COUNTY WCID 12	H	BRAZOS RUN-OF-RIVER	1,018	1,024	1,030	1,036	1,042	1,048
GALVESTON COUNTY WCID 12	H	GULF COAST AQUIFER SYSTEM   GALVESTON COUNTY	187	229	233	238	241	245
GALVESTON COUNTY WCID 8	H	BRAZOS RUN-OF-RIVER	977	982	988	994	1,000	1,005
GALVESTON COUNTY WCID 8	H	DIRECT REUSE	161	161	161	161	161	161
GALVESTON COUNTY WCID 8	H	GULF COAST AQUIFER SYSTEM   GALVESTON COUNTY	61	60	61	62	64	66
HITCHCOCK	H	BRAZOS RUN-OF-RIVER	1,465	1,474	1,482	1,491	1,499	1,508
HITCHCOCK	H	GULF COAST AQUIFER SYSTEM   GALVESTON COUNTY	50	50	50	50	50	50
JAMAICA BEACH	H	BRAZOS RUN-OF-RIVER	259	258	258	259	262	265
LA MARQUE	H	BRAZOS RUN-OF-RIVER	2,715	2,731	2,747	2,763	2,779	2,795
LA MARQUE	H	GULF COAST AQUIFER SYSTEM   GALVESTON COUNTY	336	358	359	362	367	371
LEAGUE CITY	H	BRAZOS RUN-OF-RIVER	3,604	3,619	3,633	3,647	3,662	3,677
LEAGUE CITY	H	DIRECT REUSE	628	628	628	628	628	628
LEAGUE CITY	H	GULF COAST AQUIFER SYSTEM   GALVESTON COUNTY	1,417	1,562	1,677	1,776	1,835	1,877
LEAGUE CITY	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	23,753	23,712	23,687	23,666	23,651	23,641
SAN LEON MUD	H	BRAZOS RUN-OF-RIVER	1,743	1,753	1,763	1,774	1,784	1,794
SAN LEON MUD	H	GULF COAST AQUIFER SYSTEM   GALVESTON COUNTY	1	1	1	1	1	1
TEXAS CITY	H	BRAZOS RUN-OF-RIVER	20,055	20,120	20,186	20,251	20,318	20,383
TEXAS CITY	H	GULF COAST AQUIFER SYSTEM   GALVESTON COUNTY	708	752	790	827	867	904
COUNTY-OTHER	H	BRAZOS RUN-OF-RIVER	12	12	12	12	12	12
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   GALVESTON COUNTY	117	103	95	87	79	71
MANUFACTURING	G	BRAZOS RIVER AUTHORITY MAIN STEM LAKE/RESERVOIR SYSTEM	27,743	27,907	28,072	28,233	28,396	28,556
MANUFACTURING	H	BRAZOS RUN-OF-RIVER	32,525	32,712	32,897	33,085	33,272	33,456
MANUFACTURING	H	GULF COAST AQUIFER SYSTEM   GALVESTON COUNTY	301	301	301	301	301	301
MINING	H	GULF COAST AQUIFER SYSTEM   GALVESTON COUNTY	30	32	36	39	41	44
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   GALVESTON COUNTY	20	20	20	20	20	20
IRRIGATION	H	GULF COAST AQUIFER SYSTEM   GALVESTON COUNTY	208	208	208	208	208	208
IRRIGATION	H	SAN JACINTO-BRAZOS RUN-OF-RIVER	36	36	36	36	36	36
<b>SAN JACINTO-BRAZOS BASIN TOTAL</b>			<b>166,984</b>	<b>167,708</b>	<b>168,401</b>	<b>169,091</b>	<b>169,765</b>	<b>170,404</b>
<b>GALVESTON COUNTY TOTAL</b>			<b>173,005</b>	<b>173,729</b>	<b>174,423</b>	<b>175,114</b>	<b>175,789</b>	<b>176,429</b>
BAKER ROAD MUD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	264	187	125	128	128	127
BAYTOWN	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	40	38	36	37	37	38
BAYTOWN	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	379	374	372	371	377	383
BELLAIRE	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	798	831	847	935	1,015	1,098
BELLAIRE	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	3,360	3,574	3,824	4,124	4,478	4,870
BLUE BELL MANOR UTILITY	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	592	409	282	295	301	306
BUNKER HILL VILLAGE	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	315	330	337	370	399	428
BUNKER HILL VILLAGE	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	1,330	1,418	1,518	1,632	1,760	1,900
CENTRAL HARRIS COUNTY REGIONAL WATER AUTHORITY	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	3,576	2,123	1,051	1,122	1,169	1,214
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	50	50	50	50	50	50

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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
CHIMNEY HILL MUD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	378	207	97	98	100	101
CHIMNEY HILL MUD	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	170	333	435	434	439	447
CROSBY MUD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	67	67	65	67	69	69
CROSBY MUD	H	SAN JACINTO RUN-OF-RIVER	978	978	978	978	978	978
DEER PARK	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	125	125	120	127	131	134
DEER PARK	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	1,417	1,358	1,310	1,239	1,268	1,305
DOUGLAS UTILITY	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	222	148	100	103	102	102
EL DORADO UD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	385	261	178	183	184	183
FOREST HILLS MUD	H	DIRECT REUSE	23	23	23	23	23	23
FOREST HILLS MUD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	341	240	165	168	168	167
FORT BEND COUNTY WCID 2	H	BRAZOS RUN-OF-RIVER	128	294	442	494	551	611
FORT BEND COUNTY WCID 2	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	254	175	95	110	121	134
GALENA PARK	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	80	75	69	70	72	72
GALENA PARK	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	912	912	912	912	912	912
GREEN TRAILS MUD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	599	408	277	285	286	284
GREENWOOD UD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	67	73	68	70	71	71
GREENWOOD UD	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	281	310	308	309	311	314
HARRIS COUNTY FWSO 58	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	367	261	179	187	191	195
HARRIS COUNTY MUD 106	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	1,321	900	603	632	637	634
HARRIS COUNTY MUD 11	H	DIRECT REUSE	32	32	32	32	32	32
HARRIS COUNTY MUD 11	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	315	216	147	152	154	156
HARRIS COUNTY MUD 119	H	DIRECT REUSE	48	48	48	48	48	48
HARRIS COUNTY MUD 119	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	604	408	277	285	287	288
HARRIS COUNTY MUD 122	H	BRAZOS RUN-OF-RIVER	107	107	107	107	107	107
HARRIS COUNTY MUD 122	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	28	32	35	35	35	35
HARRIS COUNTY MUD 132	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	1,012	688	466	478	478	476
HARRIS COUNTY MUD 148	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	65	64	61	63	63	63
HARRIS COUNTY MUD 148	H	HOUSTON LAKE/RESERVOIR	215	221	219	219	221	222
HARRIS COUNTY MUD 151	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	1,038	709	483	494	494	492
HARRIS COUNTY MUD 152	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	1,036	713	488	504	508	507
HARRIS COUNTY MUD 153	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	1,249	850	577	591	590	587
HARRIS COUNTY MUD 154	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	991	673	460	474	478	481
HARRIS COUNTY MUD 158	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	453	246	114	115	115	114
HARRIS COUNTY MUD 158	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	204	397	516	509	507	507
HARRIS COUNTY MUD 180	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	514	361	246	252	251	250
HARRIS COUNTY MUD 189	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	339	234	161	167	170	171
HARRIS COUNTY MUD 216	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	146	103	69	71	71	70
HARRIS COUNTY MUD 221	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	428	305	208	216	218	220
HARRIS COUNTY MUD 23	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	251	145	67	68	67	67
HARRIS COUNTY MUD 23	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	113	234	303	299	298	298
HARRIS COUNTY MUD 278	H	DIRECT REUSE	9	9	9	9	9	9
HARRIS COUNTY MUD 278	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	1,153	931	603	618	616	613
HARRIS COUNTY MUD 290	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	710	507	366	371	374	377
HARRIS COUNTY MUD 321	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	205	151	76	83	83	83
HARRIS COUNTY MUD 321	H	HOUSTON LAKE/RESERVOIR	93	242	346	370	369	369
HARRIS COUNTY MUD 342	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	681	723	570	584	584	581
HARRIS COUNTY MUD 342	H	HOUSTON LAKE/RESERVOIR	0	0	135	128	127	127

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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
HARRIS COUNTY MUD 344	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	855	248	0	0	0	0
HARRIS COUNTY MUD 344	H	HOUSTON LAKE/RESERVOIR	52	751	1,097	1,093	1,091	1,091
HARRIS COUNTY MUD 345	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	855	581	394	403	403	400
HARRIS COUNTY MUD 36	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	355	253	169	173	173	172
HARRIS COUNTY MUD 361	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	435	460	391	399	397	394
HARRIS COUNTY MUD 372	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	836	463	219	223	223	222
HARRIS COUNTY MUD 372	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	595	747	989	986	985	985
HARRIS COUNTY MUD 400	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	1,184	843	580	605	611	610
HARRIS COUNTY MUD 412	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	511	362	249	260	266	270
HARRIS COUNTY MUD 412	H	HOUSTON LAKE/RESERVOIR	369	369	369	369	369	394
HARRIS COUNTY MUD 420	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	27	27	27	26	26	26
HARRIS COUNTY MUD 420	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	110	114	119	118	117	117
HARRIS COUNTY MUD 46	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	587	397	269	275	275	273
HARRIS COUNTY MUD 49	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	643	446	304	313	315	315
HARRIS COUNTY MUD 49	H	HOUSTON LAKE/RESERVOIR	361	361	361	367	374	382
HARRIS COUNTY MUD 5	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	337	189	92	99	104	111
HARRIS COUNTY MUD 5	H	HOUSTON LAKE/RESERVOIR	152	305	417	435	462	491
HARRIS COUNTY MUD 50	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	75	71	68	71	71	70
HARRIS COUNTY MUD 50	H	SAN JACINTO RUN-OF-RIVER	560	560	560	560	560	560
HARRIS COUNTY MUD 58	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	237	167	114	117	117	116
HARRIS COUNTY MUD 6	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	327	192	89	91	91	90
HARRIS COUNTY MUD 6	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	208	208	208	208	208	208
HARRIS COUNTY MUD 8	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	92	87	79	81	80	79
HARRIS COUNTY MUD 8	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	581	581	581	581	581	581
HARRIS COUNTY MUD 96	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	387	221	111	121	128	133
HARRIS COUNTY MUD 96	H	HOUSTON LAKE/RESERVOIR	175	355	500	533	566	590
HARRIS COUNTY UD 14	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	180	123	72	73	65	61
HARRIS COUNTY UD 15	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	521	377	276	287	299	309
HARRIS COUNTY WCID 1	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	67	64	61	64	65	68
HARRIS COUNTY WCID 1	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	755	756	755	754	753	752
HARRIS COUNTY WCID 133	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	640	432	297	311	320	329
HARRIS COUNTY WCID 70	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	226	159	107	109	109	108
HARRIS COUNTY WCID 74	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	579	386	261	266	265	263
HARRIS COUNTY WCID 96	H	DIRECT REUSE	83	83	83	83	83	83
HARRIS COUNTY WCID 96	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	1,101	612	291	298	298	296
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	67	77	85	86	85	85
HARRIS COUNTY WCID-FONDREN ROAD	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	280	332	383	378	378	377
HILSHIRE VILLAGE	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	130	75	38	44	48	52
HILSHIRE VILLAGE	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	59	122	173	190	210	232
HMW SUD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	385	289	205	228	227	225
HOUSTON	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	155,846	107,710	72,583	79,462	85,169	90,828
HOUSTON	H	HOUSTON LAKE/RESERVOIR	34,012	34,012	34,012	34,012	34,012	34,012
HOUSTON	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	266,630	266,726	266,852	266,986	267,139	267,319
HOUSTON	H	SAN JACINTO INDIRECT REUSE	5,312	5,529	5,783	6,018	6,269	6,400
HOUSTON	H	SAN JACINTO RUN-OF-RIVER	5,412	5,425	5,452	5,450	5,448	5,450



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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
HUMBLE	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	1,806	1,187	625	689	726	751
HUMBLE	H	HOUSTON LAKE/RESERVOIR	814	1,914	2,824	3,034	3,203	3,333
JACINTO CITY	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	146	138	133	140	144	147
JACINTO CITY	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	889	889	889	889	889	889
JERSEY VILLAGE	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	1,196	664	318	330	336	342
JERSEY VILLAGE	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	829	1,071	1,436	1,454	1,483	1,518
KATY	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	3,054	2,134	1,460	1,514	1,530	1,538
KINGS MANOR MUD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	102	56	26	26	26	26
LA PORTE	H	DIRECT REUSE	51	51	51	51	51	51
LA PORTE	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	29	29	27	28	28	28
LA PORTE	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	283	279	278	279	282	286
LAKE MUD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	5	5	4	5	4	4
LAKE MUD	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	20	20	20	20	20	20
LONGHORN TOWN UD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	336	229	156	160	160	159
LUCE BAYOU PUD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	134	95	65	66	66	66
MASON CREEK UD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	1,375	927	629	644	643	639
MEMORIAL VILLAGES WATER AUTHORITY	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	1,064	1,124	1,157	1,283	1,390	1,500
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	2	2	3	3	3	3
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	595	457	318	338	348	353
NEWPORT MUD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	677	383	185	192	196	199
NEWPORT MUD	H	SAN JACINTO RUN-OF-RIVER	896	896	896	896	896	896
NORTH BELT UD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	489	331	227	234	236	238
NORTH CHANNEL WATER AUTHORITY	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	1,941	1,899	1,813	1,880	1,919	1,945
NORTH CHANNEL WATER AUTHORITY	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	8,891	8,891	8,891	8,891	8,891	8,891
NORTH FOREST MUD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	189	129	88	90	90	89
NORTH FORT BEND WATER AUTHORITY	H	DIRECT REUSE	61	45	37	34	32	32
NORTH FORT BEND WATER AUTHORITY	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	1,265	705	337	346	347	346
NORTH FORT BEND WATER AUTHORITY	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	660	483	400	365	349	343
NORTH GREEN MUD	H	DIRECT REUSE	8	8	8	8	8	8
NORTH GREEN MUD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	470	318	216	221	222	223
NORTH HARRIS COUNTY REGIONAL WATER AUTHORITY	H	DIRECT REUSE	772	772	772	772	772	772
NORTH HARRIS COUNTY REGIONAL WATER AUTHORITY	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	79,423	45,767	21,660	23,051	23,885	24,548
NORTH HARRIS COUNTY REGIONAL WATER AUTHORITY	H	HOUSTON LAKE/RESERVOIR	34,720	34,720	34,720	34,720	34,720	34,720
NORTHWEST HARRIS COUNTY MUD 16	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	469	331	221	227	226	224
PARKWAY MUD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	99	99	92	93	93	94
PARKWAY MUD	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	416	422	415	413	414	417
PASADENA	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	3,206	3,143	3,000	3,121	3,193	3,258
PASADENA	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	37,783	37,769	37,734	37,673	37,564	37,438

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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
PINE VILLAGE PUD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	219	154	105	110	112	114
PINEWOOD COMMUNITY	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	107	75	50	52	52	51
QUADVEST	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	162	130	95	111	126	142
ROLLING FORK PUD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	305	167	79	80	80	79
ROLLING FORK PUD	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	174	174	174	174	174	174
SEQUOIA IMPROVEMENT DISTRICT	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	155	110	75	77	77	77
SOUTH HOUSTON	H	DIRECT REUSE	54	54	54	54	54	54
SOUTH HOUSTON	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	365	355	338	352	363	372
SOUTH HOUSTON	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	4,139	4,139	4,139	4,139	4,139	4,139
SOUTHERN WATER	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	437	307	205	210	209	208
SOUTHSIDE PLACE	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	65	61	58	58	60	64
SOUTHSIDE PLACE	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	273	264	258	255	262	282
SOUTHWEST HARRIS COUNTY MUD 1	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	27	31	28	29	29	29
SOUTHWEST HARRIS COUNTY MUD 1	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	144	144	144	144	144	144
SPRING VALLEY	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	995	708	489	515	532	548
SUBURBAN UTILITY	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	323	218	148	151	150	150
SUNBELT FWSD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	2,696	1,847	1,259	1,307	1,335	1,360
SUNBELT FWSD	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	486	851	1,429	1,509	1,634	1,779
THE COMMONS WATER SUPPLY	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	383	268	183	190	191	191
THE WOODLANDS	H	DIRECT REUSE	16	107	167	166	159	149
THE WOODLANDS	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	3,679	2,626	1,830	1,925	1,963	1,980
TOMBALL	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	3,050	2,141	1,468	1,526	1,547	1,558
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	991	688	466	477	478	477
WALLER	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	56	32	15	16	17	18
WEST HARRIS COUNTY MUD 6	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	348	246	167	173	174	175
WEST HARRIS COUNTY REGIONAL WATER AUTHORITY	H	DIRECT REUSE	734	734	734	734	734	734
WEST HARRIS COUNTY REGIONAL WATER AUTHORITY	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	43,907	24,062	10,734	11,807	12,084	12,278
WEST HARRIS COUNTY REGIONAL WATER AUTHORITY	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	31,003	31,368	31,403	31,435	31,442	31,447
WEST UNIVERSITY PLACE	H	DIRECT REUSE	9	9	9	9	9	9
WEST UNIVERSITY PLACE	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	556	571	576	629	675	724
WEST UNIVERSITY PLACE	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	2,341	2,458	2,598	2,772	2,982	3,213
WOODCREEK MUD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	372	252	172	175	176	175
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	10,750	8,365	5,408	5,611	6,223	6,764
COUNTY-OTHER	H	HOUSTON LAKE/RESERVOIR	188	188	188	188	188	188
COUNTY-OTHER	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	2,429	2,429	2,429	2,429	2,429	2,429
MANUFACTURING	H	DIRECT REUSE	6,844	6,844	6,844	6,844	6,844	6,844
MANUFACTURING	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	16,490	18,701	17,800	18,233	18,221	18,116
MANUFACTURING	H	HOUSTON LAKE/RESERVOIR	54,650	54,650	54,650	54,650	54,650	54,650
MANUFACTURING	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	162,426	162,426	162,426	162,426	162,426	162,426
MANUFACTURING	H	SAN JACINTO RUN-OF-RIVER	341	341	341	341	341	341
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	276	269	252	255	253	250

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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
STEAM ELECTRIC POWER	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	2,737	2,681	2,552	2,614	2,612	2,597
STEAM ELECTRIC POWER	H	HOUSTON LAKE/RESERVOIR	4,849	4,849	4,849	4,849	4,849	4,849
STEAM ELECTRIC POWER	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	15,120	15,120	15,120	15,120	15,120	15,120
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	849	475	226	231	231	230
IRRIGATION	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	8,084	7,917	7,535	7,719	7,713	7,669
IRRIGATION	H	SAN JACINTO RUN-OF-RIVER	2,749	2,749	2,749	2,749	2,749	2,749
IRRIGATION	H	SAN JACINTO-BRAZOS RUN-OF-RIVER	388	388	388	388	388	388
<b>SAN JACINTO BASIN TOTAL</b>			<b>1,120,695</b>	<b>1,004,343</b>	<b>917,457</b>	<b>930,429</b>	<b>940,042</b>	<b>949,007</b>
BAYBROOK MUD 1	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	24	24	26	28	30	32
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	332	322	336	365	383	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	1,244	1,236	1,248	1,344	1,410	1,472
CLEAR LAKE CITY WATER AUTHORITY	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	18,127	18,105	18,088	18,067	18,048	18,030
DEER PARK	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	267	267	258	271	279	286
DEER PARK	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	2,540	2,599	2,647	2,718	2,799	2,884
FRIENDSWOOD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	384	448	469	533	580	631
FRIENDSWOOD	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	1,636	1,959	2,178	2,402	2,620	2,868
HARRIS COUNTY MUD 55	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	272	273	263	282	302	329
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	29	30	30	33	34	36
HARRIS COUNTY WCID 156	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	302	324	341	362	381	399
HARRIS COUNTY WCID 50	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	35	34	33	34	34	33
HARRIS COUNTY WCID 50	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	336	333	329	331	332	333
HARRIS COUNTY WCID 89	H	DIRECT REUSE	9	9	9	9	9	9
HARRIS COUNTY WCID 89	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	98	94	88	91	91	91
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	2,723	2,842	2,868	3,120	3,310	3,492
HOUSTON	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	12,931	12,935	12,939	12,944	12,950	12,956
KIRKMONT MUD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	69	73	74	81	87	94
KIRKMONT MUD	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	291	313	330	357	385	415
LA PORTE	H	DIRECT REUSE	722	722	722	722	722	722
LA PORTE	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	419	406	382	395	398	401
LA PORTE	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	6,573	6,577	6,578	6,577	6,574	6,570
LEAGUE CITY	H	DIRECT REUSE	17	17	17	17	17	17
LEAGUE CITY	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	36	40	40	43	44	45
LEAGUE CITY	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	327	368	393	414	429	439
MORGANS POINT	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	13	14	13	15	15	16
MORGANS POINT	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	516	516	516	516	516	516
NASSAU BAY	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	99	97	92	96	97	97
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	472	462	442	459	470	480
PASADENA	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	4,495	4,509	4,544	4,605	4,714	4,840
PEARLAND	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	412	501	570	661	714	750

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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
PEARLAND	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	2,262	2,653	3,014	3,206	3,271	3,266
SAGEMEADOW UD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	136	138	137	151	160	170
SAGEMEADOW UD	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	898	876	859	832	804	774
SEABROOK	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	170	167	159	165	168	170
SEABROOK	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	1,680	1,680	1,680	1,680	1,680	1,680
SHOREACRES	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	31	30	28	30	30	31
SHOREACRES	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	364	364	364	364	364	364
WEBSTER	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	359	378	377	405	417	425
WEBSTER	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	9,011	9,011	9,011	9,011	9,011	9,011
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	36	57	51	6	32	57
MANUFACTURING	H	DIRECT REUSE	303	303	303	303	303	303
MANUFACTURING	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	6,562	7,513	7,151	7,325	7,320	7,278
MANUFACTURING	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	93,385	93,385	93,385	93,385	93,385	93,385
MINING	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	19	19	17	17	17	17
STEAM ELECTRIC POWER	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	18	18	17	17	17	17
<b>SAN JACINTO-BRAZOS BASIN TOTAL</b>			<b>185,177</b>	<b>187,234</b>	<b>187,609</b>	<b>188,982</b>	<b>189,946</b>	<b>190,824</b>
BAYTOWN	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	861	828	780	801	812	821
BAYTOWN	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	11,094	10,996	10,907	10,802	10,668	10,525
COUNTRY TERRACE WATER	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	29	30	30	32	34	35
COUNTRY TERRACE WATER	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	140	140	140	140	140	140
HARRIS COUNTY FWSD 1-A	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	28	28	27	30	31	32
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	23	23	23	24	26	27
HARRIS COUNTY FWSD 27	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	267	267	267	267	267	267
HARRIS COUNTY WCID 1	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	3	3	3	3	4	4
HARRIS COUNTY WCID 1	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	29	28	29	30	31	32
HOUSTON	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	32	19	10	10	11	12
HOUSTON	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	31	31	30	31	31	31
LAKE MUD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	58	60	55	55	55	55
LAKE MUD	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	1,100	1,100	1,100	1,100	1,100	1,100
SPRING MEADOWS MUD	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	59	60	55	55	55	55
SPRING MEADOWS MUD	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	246	255	249	245	244	244
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	566	526	482	561	621	679
COUNTY-OTHER	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	826	826	826	826	826	826
MANUFACTURING	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	7,647	8,751	8,331	8,530	8,527	8,484
MANUFACTURING	H	HOUSTON LAKE/RESERVOIR	4,400	2,800	1,300	0	0	0
MANUFACTURING	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	1,456	1,456	1,456	1,456	1,456	1,456
MANUFACTURING	H	SAN JACINTO INDIRECT REUSE	9,836	9,836	9,836	9,836	9,836	9,836
MANUFACTURING	H	SAN JACINTO RUN-OF-RIVER	1,217	1,217	1,217	1,217	1,217	1,217
MANUFACTURING	H	TRINITY RUN-OF-RIVER	49,156	49,156	49,156	49,156	49,156	49,156
MINING	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	15	15	14	15	15	14
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	24	23	22	23	23	23
IRRIGATION	H	GULF COAST AQUIFER SYSTEM   HARRIS COUNTY	886	867	825	846	845	840
IRRIGATION	H	TRINITY-SAN JACINTO RUN-OF-RIVER	2,419	2,419	2,419	2,419	2,419	2,419
<b>TRINITY-SAN JACINTO BASIN TOTAL</b>			<b>92,633</b>	<b>91,945</b>	<b>89,774</b>	<b>88,695</b>	<b>88,635</b>	<b>88,515</b>
<b>HARRIS COUNTY TOTAL</b>			<b>1,398,505</b>	<b>1,283,522</b>	<b>1,194,840</b>	<b>1,208,106</b>	<b>1,218,623</b>	<b>1,228,346</b>
CONCORD-ROBBINS WSC	H	CARRIZO-WILCOX AQUIFER   LEON COUNTY	174	172	170	176	183	188

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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
CONCORD-ROBBINS WSC	H	QUEEN CITY AQUIFER   LEON COUNTY	94	92	92	95	98	102
HILLTOP LAKES WSC	H	CARRIZO-WILCOX AQUIFER   LEON COUNTY	192	201	209	222	234	247
HILLTOP LAKES WSC	H	QUEEN CITY AQUIFER   LEON COUNTY	57	60	62	66	70	73
JEWETT	H	CARRIZO-WILCOX AQUIFER   LEON COUNTY	73	85	94	108	121	133
NORMANGEE	H	CARRIZO-WILCOX AQUIFER   LEON COUNTY	27	28	29	30	32	34
SOUTHEAST WSC	H	CARRIZO-WILCOX AQUIFER   LEON COUNTY	4	4	4	4	4	5
COUNTY-OTHER	H	CARRIZO-WILCOX AQUIFER   LEON COUNTY	31	30	28	28	27	27
COUNTY-OTHER	H	QUEEN CITY AQUIFER   LEON COUNTY	25	23	23	22	22	22
MINING	H	CARRIZO-WILCOX AQUIFER   LEON COUNTY	721	721	623	459	296	190
LIVESTOCK	H	CARRIZO-WILCOX AQUIFER   LEON COUNTY	714	714	714	714	714	714
IRRIGATION	H	CARRIZO-WILCOX AQUIFER   LEON COUNTY	129	129	129	129	129	129
<b>BRAZOS BASIN TOTAL</b>			<b>2,241</b>	<b>2,259</b>	<b>2,177</b>	<b>2,053</b>	<b>1,930</b>	<b>1,864</b>
BUFFALO	H	CARRIZO-WILCOX AQUIFER   LEON COUNTY	386	387	387	393	401	410
CENTERVILLE	H	CARRIZO-WILCOX AQUIFER   LEON COUNTY	203	212	219	232	246	258
CONCORD-ROBBINS WSC	H	CARRIZO-WILCOX AQUIFER   LEON COUNTY	74	73	72	75	77	81
FLO COMMUNITY WSC	H	CARRIZO-WILCOX AQUIFER   LEON COUNTY	334	384	436	490	550	611
JEWETT	H	CARRIZO-WILCOX AQUIFER   LEON COUNTY	201	234	261	299	333	368
NORMANGEE	H	CARRIZO-WILCOX AQUIFER   LEON COUNTY	80	84	86	92	97	101
SOUTHEAST WSC	H	CARRIZO-WILCOX AQUIFER   LEON COUNTY	263	273	281	298	314	330
COUNTY-OTHER	H	CARRIZO-WILCOX AQUIFER   LEON COUNTY	172	155	134	127	116	102
COUNTY-OTHER	H	QUEEN CITY AQUIFER   LEON COUNTY	20	18	16	15	13	12
COUNTY-OTHER	H	SPARTA AQUIFER   LEON COUNTY	8	7	6	6	5	4
MANUFACTURING	H	CARRIZO-WILCOX AQUIFER   LEON COUNTY	846	868	868	868	868	868
MANUFACTURING	H	DIRECT REUSE	58	58	58	58	58	58
MINING	H	CARRIZO-WILCOX AQUIFER   LEON COUNTY	1,681	1,681	1,454	1,071	689	444
LIVESTOCK	H	CARRIZO-WILCOX AQUIFER   LEON COUNTY	1,861	1,861	1,861	1,861	1,861	1,861
LIVESTOCK	H	QUEEN CITY AQUIFER   LEON COUNTY	318	318	318	318	318	318
LIVESTOCK	H	SPARTA AQUIFER   LEON COUNTY	11	11	11	11	11	11
IRRIGATION	H	CARRIZO-WILCOX AQUIFER   LEON COUNTY	205	205	205	205	205	205
IRRIGATION	H	TRINITY RUN-OF-RIVER	158	158	158	158	158	158
<b>TRINITY BASIN TOTAL</b>			<b>6,879</b>	<b>6,987</b>	<b>6,831</b>	<b>6,577</b>	<b>6,320</b>	<b>6,200</b>
<b>LEON COUNTY TOTAL</b>			<b>9,120</b>	<b>9,246</b>	<b>9,008</b>	<b>8,630</b>	<b>8,250</b>	<b>8,064</b>
DAISETTA	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	46	50	53	57	62	67
DEVERS	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	4	4	5	5	5	6
HARDIN WSC	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	26	32	37	42	48	53
LIBERTY COUNTY FWSD 1 HULL	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	102	113	122	134	144	155
WEST HARDIN WSC	I	GULF COAST AQUIFER SYSTEM   HARDIN COUNTY	24	27	29	32	34	37
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	30	31	32	34	36	37
MANUFACTURING	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	180	212	212	212	212	212
MINING	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	52	52	52	52	52	52
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	62	62	62	62	62	62
IRRIGATION	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	146	146	146	146	146	146
<b>NECHES BASIN TOTAL</b>			<b>672</b>	<b>729</b>	<b>750</b>	<b>776</b>	<b>801</b>	<b>827</b>
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	13	14	15	15	16	17
MINING	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	22	22	22	22	22	22
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

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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
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
<b>NECHES-TRINITY BASIN TOTAL</b>			<b>29,560</b>	<b>29,561</b>	<b>29,562</b>	<b>29,562</b>	<b>29,563</b>	<b>29,564</b>
CLEVELAND	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	1,539	1,527	1,520	1,525	1,543	1,563
MERCY WSC	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	21	22	23	25	26	27
SOUTH CLEVELAND WSC	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	215	232	250	271	293	315
T & W WATER SERVICE	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	194	242	295	359	437	531
TARKINGTON SUD	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	327	370	414	461	508	554
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	1,296	1,356	1,411	1,480	1,561	1,637
MANUFACTURING	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	12	14	14	14	14	14
MINING	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	79	79	79	79	79	79
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
<b>SAN JACINTO BASIN TOTAL</b>			<b>3,840</b>	<b>3,999</b>	<b>4,163</b>	<b>4,371</b>	<b>4,618</b>	<b>4,877</b>
DAISETTA	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	82	88	95	103	111	119
DAYTON	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	2,386	3,042	3,673	4,316	4,942	5,541
DEVERS	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	168	186	204	223	242	259
HARDIN WSC	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	471	566	662	762	861	957
LAKE LIVINGSTON WSC	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	90	100	111	123	136	148
LAKE LIVINGSTON WSC	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	80	80	80	81	81	81
LIBERTY	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	1,571	1,649	1,728	1,822	1,926	2,028
LIBERTY COUNTY FWSD 1 HULL	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	4	4	5	5	6	6
T & W WATER SERVICE	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	163	203	248	301	367	446
TARKINGTON SUD	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	97	111	124	138	152	166
WOODCREEK WATER OF LIBERTY	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	283	283	283	283	283	283
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	2,946	3,081	3,206	3,365	3,548	3,720
MANUFACTURING	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	53	63	63	63	63	63
MINING	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	258	258	258	258	258	258
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	267	267	267	267	267	267
IRRIGATION	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	353	353	353	353	353	353
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
<b>TRINITY BASIN TOTAL</b>			<b>31,343</b>	<b>32,405</b>	<b>33,431</b>	<b>34,534</b>	<b>35,667</b>	<b>36,766</b>
DAYTON	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	7	9	11	13	15	17
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	376	393	409	430	453	475
MINING	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	26	26	26	26	26	26
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	20	20	20	20	20	20
IRRIGATION	H	GULF COAST AQUIFER SYSTEM   LIBERTY COUNTY	432	432	432	432	432	432
IRRIGATION	H	TRINITY-SAN JACINTO RUN-OF-RIVER	1,904	1,904	1,904	1,904	1,904	1,904
<b>TRINITY-SAN JACINTO BASIN TOTAL</b>			<b>2,765</b>	<b>2,784</b>	<b>2,802</b>	<b>2,825</b>	<b>2,850</b>	<b>2,874</b>
<b>LIBERTY COUNTY TOTAL</b>			<b>68,180</b>	<b>69,478</b>	<b>70,708</b>	<b>72,068</b>	<b>73,499</b>	<b>74,908</b>
MADISON COUNTY WSC	H	QUEEN CITY AQUIFER   MADISON COUNTY	7	7	7	8	8	8
NORTH ZULCH MUD	H	SPARTA AQUIFER   MADISON COUNTY	16	16	17	18	19	19
COUNTY-OTHER	H	SPARTA AQUIFER   MADISON COUNTY	177	185	193	203	214	214
MINING	H	CARRIZO-WILCOX AQUIFER   MADISON COUNTY	119	119	119	107	64	39
LIVESTOCK	H	CARRIZO-WILCOX AQUIFER   MADISON COUNTY	209	209	209	209	209	209

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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
IRRIGATION	H	CARRIZO-WILCOX AQUIFER   MADISON COUNTY	18	18	18	18	18	18
IRRIGATION	H	SPARTA AQUIFER   MADISON COUNTY	2	2	2	2	2	2
<b>BRAZOS BASIN TOTAL</b>			<b>548</b>	<b>556</b>	<b>565</b>	<b>565</b>	<b>534</b>	<b>509</b>
MADISON COUNTY WSC	H	SPARTA AQUIFER   MADISON COUNTY	157	164	171	180	190	190
MADISONVILLE	H	SPARTA AQUIFER   MADISON COUNTY	900	941	980	1,033	1,088	1,088
NORMANGEE	H	CARRIZO-WILCOX AQUIFER   MADISON COUNTY	13	14	14	15	16	17
NORTH ZULCH MUD	H	SPARTA AQUIFER   MADISON COUNTY	181	189	196	206	218	218
COUNTY-OTHER	H	CARRIZO-WILCOX AQUIFER   MADISON COUNTY	72	78	80	84	90	95
COUNTY-OTHER	H	QUEEN CITY AQUIFER   MADISON COUNTY	32	34	35	37	39	41
COUNTY-OTHER	H	SPARTA AQUIFER   MADISON COUNTY	952	996	1,038	1,096	1,152	1,152
COUNTY-OTHER	H	YEGUA-JACKSON AQUIFER   MADISON COUNTY	75	79	82	87	91	96
MINING	H	CARRIZO-WILCOX AQUIFER   MADISON COUNTY	478	478	478	431	259	155
LIVESTOCK	H	CARRIZO-WILCOX AQUIFER   MADISON COUNTY	602	602	602	602	602	602
LIVESTOCK	H	SPARTA AQUIFER   MADISON COUNTY	341	341	341	341	341	341
LIVESTOCK	H	YEGUA-JACKSON AQUIFER   MADISON COUNTY	254	254	254	254	254	254
IRRIGATION	H	CARRIZO-WILCOX AQUIFER   MADISON COUNTY	6	6	6	6	6	6
IRRIGATION	H	SPARTA AQUIFER   MADISON COUNTY	96	96	96	96	96	96
IRRIGATION	H	TRINITY RUN-OF-RIVER	169	169	169	169	169	169
<b>TRINITY BASIN TOTAL</b>			<b>4,328</b>	<b>4,441</b>	<b>4,542</b>	<b>4,637</b>	<b>4,611</b>	<b>4,520</b>
<b>MADISON COUNTY TOTAL</b>			<b>4,876</b>	<b>4,997</b>	<b>5,107</b>	<b>5,202</b>	<b>5,145</b>	<b>5,029</b>
CHATEAU WOODS MUD	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	195	264	258	255	254	255
CLEVELAND	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	23	23	23	23	23	23
CONROE	H	CONROE LAKE/RESERVOIR	7,933	7,933	7,933	7,933	7,933	7,933
CONROE	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	5,058	5,062	5,075	5,085	5,090	5,093
CORINTHIAN POINT MUD 2	H	DIRECT REUSE	6	6	6	6	6	6
CORINTHIAN POINT MUD 2	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	316	316	316	317	317	317
CUT & SHOOT	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	266	266	267	268	268	268
DOBBIN PLANTERSVILLE WSC	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	303	303	303	304	304	304
DOMESTIC WATER	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	124	124	125	125	125	125
EAST PLANTATION UD	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	201	202	243	286	339	353
FAR HILLS UD	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	450	451	451	452	452	453
GULF UTILITY	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	586	586	588	590	591	591
HARRIS-MONTGOMERY COUNTIES MUD 386	H	CONROE LAKE/RESERVOIR	255	255	255	255	255	255
HARRIS-MONTGOMERY COUNTIES MUD 386	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	170	170	170	170	170	170
HMW SUD	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	628	628	631	632	633	634
HOUSTON	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	1,041	1,042	1,046	1,049	1,050	1,051
JOHNSTON WATER UTILITY	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	538	539	541	542	543	544
KINGS MANOR MUD	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	349	349	350	351	352	352
LAKE BONANZA WSC	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	157	157	158	158	158	158
LAKE CONROE HILLS MUD	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	166	167	167	168	168	168
LAZY RIVER IMPROVEMENT DISTRICT	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	158	159	159	160	160	160
MAGNOLIA	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	876	877	880	883	884	885
MONTGOMERY	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	689	689	691	692	692	693
MONTGOMERY COUNTY MUD 112	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	207	207	208	209	209	209

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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
MONTGOMERY COUNTY MUD 115	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	184	184	185	185	185	186
MONTGOMERY COUNTY MUD 119	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	571	572	574	575	576	577
MONTGOMERY COUNTY MUD 15	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	326	308	302	322	342	363
MONTGOMERY COUNTY MUD 18	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	2,246	2,247	2,250	2,253	2,254	2,255
MONTGOMERY COUNTY MUD 19	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	342	342	343	344	344	345
MONTGOMERY COUNTY MUD 56	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	113	113	108	63	63	63
MONTGOMERY COUNTY MUD 8	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	1,209	1,210	1,211	1,213	1,214	1,214
MONTGOMERY COUNTY MUD 83	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	198	313	310	310	309	310
MONTGOMERY COUNTY MUD 84	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	391	277	282	284	285	285
MONTGOMERY COUNTY MUD 88	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	84	106	132	131	131	131
MONTGOMERY COUNTY MUD 89	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	474	453	429	431	432	432
MONTGOMERY COUNTY MUD 9	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	733	733	735	736	736	737
MONTGOMERY COUNTY MUD 95	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	130	148	156	137	117	97
MONTGOMERY COUNTY MUD 98	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	77	77	77	77	77	77
MONTGOMERY COUNTY MUD 99	H	CONROE LAKE/RESERVOIR	140	140	140	140	140	140
MONTGOMERY COUNTY UD 2	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	251	251	252	252	253	253
MONTGOMERY COUNTY UD 3	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	776	725	727	693	629	569
MONTGOMERY COUNTY UD 4	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	738	789	789	824	888	949
MONTGOMERY COUNTY WCID 1	H	CONROE LAKE/RESERVOIR	212	212	212	212	212	212
MONTGOMERY COUNTY WCID 1	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	61	61	61	61	62	62
MSEC ENTERPRISES	H	CONROE LAKE/RESERVOIR	1,553	1,553	1,553	1,553	1,553	1,553
MSEC ENTERPRISES	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	2,125	2,127	2,134	2,140	2,143	2,145
NEW CANEY MUD	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	598	599	601	602	603	604
OAK RIDGE NORTH	H	CONROE LAKE/RESERVOIR	361	361	361	361	361	361
OAK RIDGE NORTH	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	156	156	156	157	157	157
PANORAMA VILLAGE	H	DIRECT REUSE	43	43	43	43	43	43
PANORAMA VILLAGE	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	470	470	470	470	470	470
PINEHURST DECKER PRAIRIE WSC	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	62	63	63	63	63	63
POINT AQUARIUS MUD	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	856	856	857	858	858	859
PORTER SUD	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	361	239	187	195	198	198
PORTER SUD	H	SAN JACINTO INDIRECT REUSE	1,120	1,120	1,120	1,120	1,120	1,120
QUADVEST	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	3,537	3,541	3,553	3,563	3,567	3,571
RANCH UTILITIES	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	105	105	106	106	106	106
RAYFORD ROAD MUD	H	CONROE LAKE/RESERVOIR	862	862	862	862	862	862
RAYFORD ROAD MUD	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	405	406	407	408	409	409
RIVER PLANTATION MUD	H	DIRECT REUSE	256	256	256	256	256	256



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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
RIVER PLANTATION MUD	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	401	401	362	320	269	255
ROMAN FOREST CONSOLIDATED MUD	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	175	175	176	176	177	177
SHENANDOAH	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	845	846	849	851	852	853
SOUTHERN MONTGOMERY COUNTY MUD	H	CONROE LAKE/RESERVOIR	976	976	976	976	976	976
SOUTHERN MONTGOMERY COUNTY MUD	H	DIRECT REUSE	144	144	144	144	144	144
SOUTHERN MONTGOMERY COUNTY MUD	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	267	268	269	269	270	270
SPLENDORA	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	546	547	549	550	551	552
SPRING CREEK UD	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	692	693	695	697	698	698
STANLEY LAKE MUD	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	895	896	897	898	898	899
T & W WATER SERVICE	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	1,129	1,130	1,134	1,137	1,139	1,140
THE WOODLANDS	H	CONROE LAKE/RESERVOIR	14,591	14,591	14,591	14,591	14,591	14,591
THE WOODLANDS	H	DIRECT REUSE	1,298	1,207	1,147	1,148	1,155	1,165
THE WOODLANDS	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	7,568	7,576	7,603	7,623	7,634	7,641
THE WOODLANDS	H	SAN JACINTO INDIRECT REUSE	144	144	144	144	144	144
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	211	264	325	322	321	321
WESTWOOD NORTH WSC	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	334	335	336	337	337	337
WHITE OAK UTILITIES	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	120	120	120	121	121	121
WHITE OAK WSC	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	74	74	74	75	75	75
WILLIS	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	2,253	2,254	2,256	2,258	2,258	2,259
WOOD BRANCH VILLAGE	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	80	80	80	81	81	81
COUNTY-OTHER	H	DIRECT REUSE	10	10	10	10	10	10
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	14,561	14,575	14,628	14,660	14,684	14,695
MANUFACTURING	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	1,339	1,341	1,345	1,349	1,351	1,352
MINING	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	1,056	991	786	674	591	534
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	3,353	3,356	3,368	3,377	3,381	3,384
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	390	391	392	393	394	394
IRRIGATION	H	CONROE LAKE/RESERVOIR	943	943	943	943	943	943
IRRIGATION	H	GULF COAST AQUIFER SYSTEM   MONTGOMERY COUNTY	4,020	4,024	4,038	4,049	4,054	4,058
IRRIGATION	H	SAN JACINTO RUN-OF-RIVER	25	25	25	25	25	25
<b>SAN JACINTO BASIN TOTAL</b>			<b>109,218</b>	<b>109,127</b>	<b>109,067</b>	<b>109,068</b>	<b>109,075</b>	<b>109,085</b>
<b>MONTGOMERY COUNTY TOTAL</b>			<b>109,218</b>	<b>109,127</b>	<b>109,067</b>	<b>109,068</b>	<b>109,075</b>	<b>109,085</b>
LAKE LIVINGSTON WSC	H	GULF COAST AQUIFER SYSTEM   POLK COUNTY	592	659	731	807	888	973
LAKE LIVINGSTON WSC	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	529	530	529	529	529	529
LEGGETT WSC	H	GULF COAST AQUIFER SYSTEM   POLK COUNTY	334	364	387	409	429	445
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	182	198	211	223	233	242
MEMORIAL POINT UD	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	10	10	10	10	10	10
MOSCOW WSC	I	GULF COAST AQUIFER SYSTEM   POLK COUNTY	29	29	29	29	29	29
ONALASKA WSC	H	GULF COAST AQUIFER SYSTEM   POLK COUNTY	364	443	504	557	605	644
PROVIDENCE WSC	H	GULF COAST AQUIFER SYSTEM   POLK COUNTY	157	165	173	184	193	201
SODA WSC	H	GULF COAST AQUIFER SYSTEM   POLK COUNTY	163	173	182	190	199	206
TEMPE WSC 1	H	GULF COAST AQUIFER SYSTEM   POLK COUNTY	206	220	231	242	253	263
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   POLK COUNTY	1,532	1,585	1,608	1,618	1,614	1,586

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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
COUNTY-OTHER	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	20	20	20	20	20	20
MANUFACTURING	H	GULF COAST AQUIFER SYSTEM   POLK COUNTY	5	5	5	5	5	5
MINING	H	GULF COAST AQUIFER SYSTEM   POLK COUNTY	92	66	40	14	0	0
MINING	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	32	32	32	32	32	32
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   POLK COUNTY	181	181	181	181	181	181
IRRIGATION	H	GULF COAST AQUIFER SYSTEM   POLK COUNTY	332	332	332	332	332	332
<b>TRINITY BASIN TOTAL</b>			<b>10,360</b>	<b>10,612</b>	<b>10,805</b>	<b>10,982</b>	<b>11,152</b>	<b>11,298</b>
<b>POLK COUNTY TOTAL</b>			<b>10,360</b>	<b>10,612</b>	<b>10,805</b>	<b>10,982</b>	<b>11,152</b>	<b>11,298</b>
MERCY WSC	H	GULF COAST AQUIFER SYSTEM   SAN JACINTO COUNTY	168	177	184	195	206	216
ONE FIVE O WSC	H	GULF COAST AQUIFER SYSTEM   SAN JACINTO COUNTY	296	313	327	348	366	384
P B & S C WSC	H	GULF COAST AQUIFER SYSTEM   SAN JACINTO COUNTY	20	21	22	24	25	26
SAN JACINTO SUD	H	GULF COAST AQUIFER SYSTEM   SAN JACINTO COUNTY	64	67	68	73	77	80
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	829	886	928	983	1,028	1,067
MANUFACTURING	H	GULF COAST AQUIFER SYSTEM   SAN JACINTO COUNTY	9	10	10	10	10	10
MINING	H	GULF COAST AQUIFER SYSTEM   SAN JACINTO COUNTY	6	6	7	7	7	7
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   SAN JACINTO COUNTY	206	206	206	206	206	206
IRRIGATION	H	GULF COAST AQUIFER SYSTEM   SAN JACINTO COUNTY	74	74	74	74	74	74
<b>SAN JACINTO BASIN TOTAL</b>			<b>1,744</b>	<b>1,832</b>	<b>1,897</b>	<b>1,992</b>	<b>2,071</b>	<b>2,141</b>
CAPE ROYALE UD	H	GULF COAST AQUIFER SYSTEM   SAN JACINTO COUNTY	270	293	311	332	351	368
DODGE OAKHURST WSC	H	GULF COAST AQUIFER SYSTEM   SAN JACINTO COUNTY	58	60	62	65	68	70
LAKE LIVINGSTON WSC	H	GULF COAST AQUIFER SYSTEM   SAN JACINTO COUNTY	185	205	228	252	277	303
LAKE LIVINGSTON WSC	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	165	165	165	165	165	165
P B & S C WSC	H	GULF COAST AQUIFER SYSTEM   SAN JACINTO COUNTY	231	247	260	276	292	306
RIVERSIDE WSC	H	GULF COAST AQUIFER SYSTEM   SAN JACINTO COUNTY	26	30	32	34	36	38
RIVERSIDE WSC	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	8	8	8	8	8	8
SAN JACINTO SUD	H	GULF COAST AQUIFER SYSTEM   SAN JACINTO COUNTY	186	194	200	212	223	234
SAN JACINTO SUD	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	208	208	209	208	208	209
SHEPHERD	H	GULF COAST AQUIFER SYSTEM   SAN JACINTO COUNTY	313	332	348	369	389	407
WATERWOOD MUD 1	H	GULF COAST AQUIFER SYSTEM   SAN JACINTO COUNTY	123	133	142	152	160	168
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	625	668	700	741	776	804
MINING	H	GULF COAST AQUIFER SYSTEM   SAN JACINTO COUNTY	2	2	2	2	2	2
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   SAN JACINTO COUNTY	207	207	207	207	207	207
IRRIGATION	H	GULF COAST AQUIFER SYSTEM   SAN JACINTO COUNTY	74	74	74	74	74	74
IRRIGATION	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	120	120	120	120	120	120
<b>TRINITY BASIN TOTAL</b>			<b>3,137</b>	<b>3,282</b>	<b>3,404</b>	<b>3,553</b>	<b>3,692</b>	<b>3,819</b>
<b>SAN JACINTO COUNTY TOTAL</b>			<b>4,881</b>	<b>5,114</b>	<b>5,301</b>	<b>5,545</b>	<b>5,763</b>	<b>5,960</b>
GLENDALE WSC	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	75	75	75	75	75	75
GLENDALE WSC	H	YEGUA-JACKSON AQUIFER   TRINITY COUNTY	81	81	81	81	81	81
GROVETON	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	343	342	343	342	341	342
GROVETON	H	YEGUA-JACKSON AQUIFER   TRINITY COUNTY	34	35	34	32	33	35
LAKE LIVINGSTON WSC	H	GULF COAST AQUIFER SYSTEM   TRINITY COUNTY	46	51	57	63	66	66
LAKE LIVINGSTON WSC	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	120	120	120	120	120	120
PENNINGTON WSC	H	YEGUA-JACKSON AQUIFER   TRINITY COUNTY	120	125	122	117	121	126
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	347	347	345	343	342	343

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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
TRINITY RURAL WSC	H	YEGUA-JACKSON AQUIFER   TRINITY COUNTY	117	141	138	122	138	159
WESTWOOD SHORES MUD	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	495	495	495	495	495	495
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   TRINITY COUNTY	23	22	18	13	18	17
COUNTY-OTHER	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	20	20	20	20	20	20
COUNTY-OTHER	H	YEGUA-JACKSON AQUIFER   TRINITY COUNTY	13	12	11	8	10	9
MINING	H	YEGUA-JACKSON AQUIFER   TRINITY COUNTY	5	5	5	5	5	5
LIVESTOCK	H	YEGUA-JACKSON AQUIFER   TRINITY COUNTY	201	201	201	201	201	201
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
<b>TRINITY BASIN TOTAL</b>			<b>3,545</b>	<b>3,577</b>	<b>3,570</b>	<b>3,542</b>	<b>3,571</b>	<b>3,599</b>
<b>TRINITY COUNTY TOTAL</b>			<b>3,545</b>	<b>3,577</b>	<b>3,570</b>	<b>3,542</b>	<b>3,571</b>	<b>3,599</b>
DODGE OAKHURST WSC	H	GULF COAST AQUIFER SYSTEM   WALKER COUNTY	80	82	85	89	92	96
HUNTSVILLE	H	GULF COAST AQUIFER SYSTEM   WALKER COUNTY	2,399	2,426	2,444	2,467	2,492	2,513
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	190	193	194	197	201	204
PHELPS SUD	H	GULF COAST AQUIFER SYSTEM   WALKER COUNTY	153	152	151	152	154	156
WALKER COUNTY RURAL SUD	H	GULF COAST AQUIFER SYSTEM   WALKER COUNTY	278	286	292	300	308	314
WALKER COUNTY RURAL SUD	H	YEGUA-JACKSON AQUIFER   WALKER COUNTY	156	161	164	168	173	177
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   WALKER COUNTY	1,327	1,327	1,327	1,327	1,327	1,327
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	29	36	36	36	36	36
MINING	H	GULF COAST AQUIFER SYSTEM   WALKER COUNTY	5	5	5	5	5	5
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   WALKER COUNTY	353	353	353	353	353	353
IRRIGATION	H	GULF COAST AQUIFER SYSTEM   WALKER COUNTY	240	240	240	240	240	240
<b>SAN JACINTO BASIN TOTAL</b>			<b>22,916</b>	<b>23,003</b>	<b>23,059</b>	<b>23,126</b>	<b>23,192</b>	<b>23,245</b>
DODGE OAKHURST WSC	H	GULF COAST AQUIFER SYSTEM   WALKER COUNTY	56	59	60	63	66	68
HUNTSVILLE	H	GULF COAST AQUIFER SYSTEM   WALKER COUNTY	491	497	500	506	510	515
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	12	11	12	11	11	11
PHELPS SUD	H	GULF COAST AQUIFER SYSTEM   WALKER COUNTY	66	66	66	66	67	67
RIVERSIDE WSC	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	77	77	77	77	77	77
RIVERSIDE WSC	H	YEGUA-JACKSON AQUIFER   WALKER COUNTY	257	289	313	336	353	368
THE CONSOLIDATED WSC	I	HOUSTON COUNTY LAKE/RESERVOIR	11	12	13	13	14	15
TRINITY RURAL WSC	H	LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	28	28	30	32	33	32
TRINITY RURAL WSC	H	YEGUA-JACKSON AQUIFER   TRINITY COUNTY	9	12	12	12	13	15
WALKER COUNTY RURAL SUD	H	GULF COAST AQUIFER SYSTEM   WALKER COUNTY	370	382	390	400	410	420
WALKER COUNTY RURAL SUD	H	YEGUA-JACKSON AQUIFER   WALKER COUNTY	208	215	219	225	231	236
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   WALKER COUNTY	914	914	914	914	914	914
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	255	255	255
MANUFACTURING	H	GULF COAST AQUIFER SYSTEM   WALKER COUNTY	138	168	168	168	168	168
MANUFACTURING	H	TRINITY RUN-OF-RIVER	337	337	337	337	337	337
MANUFACTURING	H	YEGUA-JACKSON AQUIFER   WALKER COUNTY	82	99	99	99	99	99
MINING	H	GULF COAST AQUIFER SYSTEM   WALKER COUNTY	6	6	6	6	6	6
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   WALKER COUNTY	198	198	198	198	198	198
LIVESTOCK	H	QUEEN CITY AQUIFER   WALKER COUNTY	101	101	101	101	101	101

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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
LIVESTOCK	H	YEGUA-JACKSON AQUIFER   WALKER COUNTY	101	101	101	101	101	101
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	158	158	158	158	158	158
<b>TRINITY BASIN TOTAL</b>			<b>8,744</b>	<b>8,819</b>	<b>8,839</b>	<b>8,865</b>	<b>8,892</b>	<b>8,920</b>
<b>WALKER COUNTY TOTAL</b>			<b>31,660</b>	<b>31,822</b>	<b>31,898</b>	<b>31,991</b>	<b>32,084</b>	<b>32,165</b>
BROOKSHIRE MWD	H	GULF COAST AQUIFER SYSTEM   WALLER COUNTY	602	710	837	981	1,146	1,326
G & W WSC	H	GULF COAST AQUIFER SYSTEM   WALLER COUNTY	110	146	186	222	222	222
HEMPSTEAD	H	GULF COAST AQUIFER SYSTEM   WALLER COUNTY	1,303	1,489	1,702	1,944	2,218	2,292
PATTISON WSC	H	GULF COAST AQUIFER SYSTEM   WALLER COUNTY	263	310	365	426	495	570
PRAIRIE VIEW	H	GULF COAST AQUIFER SYSTEM   WALLER COUNTY	751	1,000	1,277	1,582	1,924	2,296
PRAIRIE VIEW A&M UNIVERSITY	H	GULF COAST AQUIFER SYSTEM   WALLER COUNTY	195	195	195	195	195	195
QUADVEST	H	GULF COAST AQUIFER SYSTEM   WALLER COUNTY	26	34	43	54	68	82
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   WALLER COUNTY	1,182	1,182	1,182	1,182	1,182	1,182
MANUFACTURING	H	GULF COAST AQUIFER SYSTEM   WALLER COUNTY	65	66	66	66	66	66
MINING	H	GULF COAST AQUIFER SYSTEM   WALLER COUNTY	4	4	4	4	4	4
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   WALLER COUNTY	909	909	909	909	909	909
IRRIGATION	G	BRAZOS RIVER AUTHORITY MAIN STEM LAKE/RESERVOIR SYSTEM	50	50	50	50	50	50
IRRIGATION	H	BRAZOS RUN-OF-RIVER	61	61	61	61	61	61
IRRIGATION	H	GULF COAST AQUIFER SYSTEM   WALLER COUNTY	7,651	7,651	7,651	7,651	7,651	7,651
<b>BRAZOS BASIN TOTAL</b>			<b>13,172</b>	<b>13,807</b>	<b>14,528</b>	<b>15,327</b>	<b>16,191</b>	<b>16,906</b>
G & W WSC	H	GULF COAST AQUIFER SYSTEM   WALLER COUNTY	339	447	572	679	679	679
KATY	H	GULF COAST AQUIFER SYSTEM   WALLER COUNTY	354	434	527	628	742	866
OAK HOLLOW UTILITY	H	GULF COAST AQUIFER SYSTEM   WALLER COUNTY	206	240	282	328	381	439
PRAIRIE VIEW	H	GULF COAST AQUIFER SYSTEM   WALLER COUNTY	55	73	93	116	141	168
PRAIRIE VIEW A&M UNIVERSITY	H	GULF COAST AQUIFER SYSTEM   WALLER COUNTY	21	21	21	21	21	21
WALLER	H	GULF COAST AQUIFER SYSTEM   WALLER COUNTY	356	379	407	440	479	523
WHITE OAK UTILITIES	H	GULF COAST AQUIFER SYSTEM   WALLER COUNTY	6	8	7	7	7	7
COUNTY-OTHER	H	GULF COAST AQUIFER SYSTEM   WALLER COUNTY	982	982	982	982	982	982
MANUFACTURING	H	DIRECT REUSE	16	16	16	16	16	16
MANUFACTURING	H	GULF COAST AQUIFER SYSTEM   WALLER COUNTY	69	70	70	70	70	70
MINING	H	GULF COAST AQUIFER SYSTEM   WALLER COUNTY	3	3	3	3	3	3
LIVESTOCK	H	GULF COAST AQUIFER SYSTEM   WALLER COUNTY	270	270	270	270	270	270
IRRIGATION	H	GULF COAST AQUIFER SYSTEM   WALLER COUNTY	14,282	14,282	14,282	14,282	14,282	14,282
<b>SAN JACINTO BASIN TOTAL</b>			<b>16,959</b>	<b>17,225</b>	<b>17,532</b>	<b>17,842</b>	<b>18,073</b>	<b>18,326</b>
<b>WALLER COUNTY TOTAL</b>			<b>30,131</b>	<b>31,032</b>	<b>32,060</b>	<b>33,169</b>	<b>34,264</b>	<b>35,232</b>
<b>REGION H TOTAL EXISTING WATER SUPPLY</b>			<b>2,747,343</b>	<b>2,613,707</b>	<b>2,546,728</b>	<b>2,581,901</b>	<b>2,612,406</b>	<b>2,640,379</b>

**APPENDIX TM-D2  
TWDB DB22 REPORT:  
WUG IDENTIFIED WATER NEEDS/SURPLUSES**

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**Region H Water User Group (WUG) Needs/Surplus\***

	(NEEDS)/SURPLUS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
<b>AUSTIN COUNTY - BRAZOS BASIN</b>						
AUSTIN COUNTY WSC	0	0	0	0	0	0
BELLVILLE	0	0	0	0	0	0
SEALY	0	0	0	0	0	0
WEST END WSC	0	0	0	0	0	0
COUNTY-OTHER	0	(210)	(505)	(872)	(1,293)	(1,766)
MANUFACTURING	0	0	0	0	0	0
MINING	0	(147)	(99)	(51)	(4)	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	0	0	0	0	0	0
<b>AUSTIN COUNTY - BRAZOS-COLORADO BASIN</b>						
AUSTIN COUNTY WSC	0	0	0	0	0	0
SEALY	0	0	0	0	0	0
WALLIS	0	0	0	0	0	0
COUNTY-OTHER	0	(2)	(79)	(175)	(285)	(408)
MANUFACTURING	0	0	0	0	0	0
MINING	0	(43)	(29)	(15)	(1)	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	0	0	0	0	0	0
<b>AUSTIN COUNTY - COLORADO BASIN</b>						
WEST END WSC	0	0	0	0	0	0
COUNTY-OTHER	0	0	0	0	0	(3)
MINING	0	(3)	(2)	(1)	0	0
LIVESTOCK	0	0	0	0	0	0
<b>BRAZORIA COUNTY - BRAZOS BASIN</b>						
BRAZORIA	35	40	45	45	42	37
FREEPORT	0	0	0	0	0	0
LAKE JACKSON	(2)	(3)	(3)	(4)	(5)	(6)
VARNER CREEK UD	0	0	(12)	(28)	(35)	(37)
WEST COLUMBIA	(75)	(77)	(80)	(88)	(96)	(104)
COUNTY-OTHER	0	0	(82)	(210)	(416)	(672)
MANUFACTURING	(697)	(1,798)	(1,707)	(1,616)	(1,519)	(1,420)
MINING	0	(31)	(67)	(108)	(146)	(186)
LIVESTOCK	0	0	(7)	(15)	(19)	(20)
IRRIGATION	0	0	(81)	(180)	(227)	(241)
<b>BRAZORIA COUNTY - BRAZOS-COLORADO BASIN</b>						
BRAZORIA	0	0	0	0	0	0
FREEPORT	0	0	0	0	0	0
SWEENEY	(106)	(111)	(116)	(126)	(137)	(148)
WEST COLUMBIA	(14)	(14)	(14)	(16)	(18)	(19)
COUNTY-OTHER	(762)	(1,481)	(2,168)	(2,881)	(3,619)	(4,375)
MANUFACTURING	(22,179)	(28,251)	(28,281)	(28,327)	(28,372)	(28,414)
MINING	(51)	(113)	(169)	(231)	(298)	(376)
LIVESTOCK	(81)	(87)	(93)	(102)	(112)	(120)
IRRIGATION	(955)	(1,019)	(1,080)	(1,172)	(1,263)	(1,347)

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**Region H Water User Group (WUG) Needs/Surplus\***

<b>BRAZORIA COUNTY - SAN JACINTO-BRAZOS BASIN</b>						
ALVIN	(357)	(702)	(896)	(1,134)	(1,469)	(1,900)
ANGLETON	264	321	372	392	380	360
BRAZORIA COUNTY MUD 2	(339)	(573)	(674)	(775)	(896)	(1,020)
BRAZORIA COUNTY MUD 21	(61)	(108)	(136)	(167)	(205)	(242)
BRAZORIA COUNTY MUD 25	(39)	(74)	(95)	(121)	(155)	(196)
BRAZORIA COUNTY MUD 29	(43)	(115)	(194)	(207)	(235)	(264)
BRAZORIA COUNTY MUD 3	9	9	9	9	9	9
BRAZORIA COUNTY MUD 31	(39)	(74)	(102)	(132)	(169)	(203)
BRAZORIA COUNTY MUD 6	0	0	0	0	0	0
CLUTE	(34)	(58)	(71)	(88)	(115)	(148)
DANBURY	(17)	(27)	(31)	(35)	(40)	(45)
FREEPORT	860	834	808	765	701	634
HILLCREST VILLAGE	(11)	(19)	(22)	(25)	(28)	(32)
LAKE JACKSON	(280)	(482)	(579)	(691)	(838)	(1,003)
MANVEL	(12)	(33)	(53)	(78)	(114)	(163)
OYSTER CREEK	(10)	(18)	(21)	(25)	(31)	(39)
PEARLAND	3,337	2,535	1,705	960	196	(598)
QUADVEST	(14)	(31)	(47)	(67)	(97)	(133)
RICHWOOD	(12)	(21)	(25)	(30)	(39)	(49)
SEDONA LAKES MUD 1	(16)	(31)	(41)	(52)	(66)	(84)
SURFSIDE BEACH	(19)	(58)	(62)	(67)	(73)	(79)
TDCJ RAMSEY AREA	860	756	712	669	618	566
COUNTY-OTHER	(989)	(3,616)	(7,776)	(12,656)	(18,203)	(24,399)
MANUFACTURING	47,717	23,276	25,321	27,371	29,416	31,466
MINING	(55)	(225)	(362)	(511)	(670)	(861)
LIVESTOCK	(93)	(159)	(187)	(215)	(247)	(280)
IRRIGATION	(58,302)	(58,846)	(59,080)	(59,310)	(59,581)	(59,853)
<b>CHAMBERS COUNTY - NECHES-TRINITY BASIN</b>						
ANAHUAC	824	832	837	838	835	830
TRINITY BAY CONSERVATION DISTRICT	(326)	(598)	(888)	(1,215)	(1,578)	(1,963)
COUNTY-OTHER	0	0	0	0	0	0
MINING	0	0	0	0	0	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	22,558	22,558	22,558	22,558	22,558	22,558
<b>CHAMBERS COUNTY - TRINITY BASIN</b>						
ANAHUAC	0	0	0	0	0	0
MONT BELVIEU	0	0	(428)	(1,059)	(1,737)	(2,451)
TRINITY BAY CONSERVATION DISTRICT	(84)	(155)	(231)	(316)	(411)	(511)
COUNTY-OTHER	0	0	0	0	0	0
MANUFACTURING	(2,753)	(3,452)	(3,452)	(3,452)	(3,452)	(3,452)
MINING	0	0	0	0	0	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	(9,392)	(9,392)	(9,392)	(9,392)	(9,392)	(9,392)
<b>CHAMBERS COUNTY - TRINITY-SAN JACINTO BASIN</b>						
BAYTOWN	0	0	0	0	0	0
CHAMBERS COUNTY MUD 1	0	0	0	0	0	0

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**Region H Water User Group (WUG) Needs/Surplus\***

MONT BELVIEU	0	0	(129)	(319)	(523)	(737)
COUNTY-OTHER	971	937	899	854	800	744
MANUFACTURING	30,185	27,547	27,547	27,547	27,547	27,547
MINING	0	0	0	0	0	0
STEAM ELECTRIC POWER	(7,466)	(7,466)	(7,466)	(7,466)	(7,466)	(7,466)
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	(3,180)	(3,180)	(3,180)	(3,180)	(3,180)	(3,180)
<b>FORT BEND COUNTY - BRAZOS BASIN</b>						
FIRST COLONY MUD 9	(46)	(164)	(153)	(143)	(137)	(137)
FORT BEND COUNTY FWSD 2	(25)	(110)	(127)	(144)	(164)	(189)
FORT BEND COUNTY MUD 115	(230)	(426)	(423)	(422)	(420)	(420)
FORT BEND COUNTY MUD 116	(71)	(379)	(476)	(544)	(620)	(703)
FORT BEND COUNTY MUD 121	0	(137)	(136)	(135)	(134)	(133)
FORT BEND COUNTY MUD 128	312	26	29	30	30	30
FORT BEND COUNTY MUD 129	(453)	(755)	(752)	(750)	(748)	(748)
FORT BEND COUNTY MUD 140	0	(147)	(145)	(144)	(144)	(144)
FORT BEND COUNTY MUD 149	(78)	(157)	(178)	(175)	(174)	(174)
FORT BEND COUNTY MUD 152	0	(66)	(82)	(82)	(82)	(82)
FORT BEND COUNTY MUD 155	0	(160)	(199)	(197)	(197)	(197)
FORT BEND COUNTY MUD 158	0	(101)	(126)	(125)	(125)	(125)
FORT BEND COUNTY MUD 162	(29)	(131)	(151)	(142)	(138)	(138)
FORT BEND COUNTY MUD 187	0	(126)	(123)	(122)	(121)	(121)
FORT BEND COUNTY MUD 25	(8)	(56)	(53)	(52)	(52)	(54)
FORT BEND COUNTY MUD 46	72	43	34	35	35	35
FORT BEND COUNTY MUD 5	(29)	(124)	(115)	(107)	(103)	(103)
FORT BEND COUNTY MUD 81	(165)	(128)	(82)	(28)	0	0
FORT BEND COUNTY WCID 3	(37)	(233)	(225)	(217)	(213)	(213)
FULSHEAR	(30)	(330)	(330)	(319)	(313)	(313)
NEEDVILLE	(15)	(11)	(6)	(2)	0	0
NORTH FORT BEND WATER AUTHORITY	(1,309)	(2,155)	(2,403)	(2,480)	(2,539)	(2,604)
PECAN GROVE MUD 1	4,641	4,109	4,177	4,214	4,237	4,243
PLANTATION MUD	(41)	(137)	(118)	(103)	(98)	(98)
QUADVEST	(41)	(200)	(271)	(353)	(461)	(584)
RICHMOND	889	367	347	292	204	95
ROSENBERG	4,458	3,203	3,161	3,099	2,953	2,731
ROYAL VALLEY UTILITIES	(70)	(322)	(378)	(358)	(349)	(349)
SIENNA PLANTATION	1,278	670	283	(85)	(455)	(806)
SUGAR LAND	10,966	2,063	1,787	1,513	1,154	802
TDCJ JESTER UNITS	(59)	(190)	(177)	(164)	(158)	(158)
COUNTY-OTHER	(2,583)	(7,682)	(7,468)	(8,924)	(11,239)	(13,992)
MANUFACTURING	32	(645)	(624)	(603)	(598)	(607)
MINING	460	444	427	411	393	378
STEAM ELECTRIC POWER	67,614	67,812	68,010	68,208	68,406	68,604
LIVESTOCK	(50)	(37)	(22)	(7)	0	0
IRRIGATION	(319)	(170)	(8)	156	233	233
<b>FORT BEND COUNTY - BRAZOS-COLORADO BASIN</b>						
KENDLETON	(20)	(18)	(12)	(4)	0	0

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**Region H Water User Group (WUG) Needs/Surplus\***

NEEDVILLE	(18)	(13)	(8)	(2)	0	0
ROSENBERG	0	0	0	0	0	0
COUNTY-OTHER	(165)	(196)	(1,411)	(3,802)	(7,408)	(12,756)
MINING	(2)	(1)	(1)	0	0	0
LIVESTOCK	(18)	(13)	(8)	(2)	0	0
IRRIGATION	(1,148)	(838)	(500)	(159)	0	0
<b>FORT BEND COUNTY - SAN JACINTO BASIN</b>						
BLUE RIDGE WEST MUD	(116)	(383)	(351)	(324)	(311)	(310)
FORT BEND COUNTY WCID 2	0	0	0	0	0	0
FULSHEAR	(9)	(80)	(128)	(123)	(122)	(121)
HOUSTON	1,313	(143)	(247)	(361)	(518)	(706)
KATY	(183)	(1,944)	(1,877)	(1,814)	(1,789)	(1,794)
MEADOWS PLACE	(53)	(225)	(206)	(194)	(193)	(202)
NORTH FORT BEND WATER AUTHORITY	0	(19,422)	(22,307)	(23,274)	(23,943)	(24,668)
SUGAR LAND	158	86	70	55	41	28
WEST HARRIS COUNTY REGIONAL WATER AUTHORITY	0	(743)	(770)	(798)	(809)	(821)
COUNTY-OTHER	(129)	(214)	(204)	(169)	(115)	(77)
MANUFACTURING	(78)	(144)	(141)	(138)	(137)	(137)
LIVESTOCK	(6)	(4)	(3)	(1)	0	0
IRRIGATION	(34)	(25)	(15)	(5)	0	0
<b>FORT BEND COUNTY - SAN JACINTO-BRAZOS BASIN</b>						
BLUE RIDGE WEST MUD	(10)	(33)	(30)	(28)	(27)	(27)
FIRST COLONY MUD 9	(148)	(526)	(489)	(455)	(439)	(439)
FORT BEND COUNTY FWSD 1	(9)	(39)	(46)	(53)	(61)	(70)
FORT BEND COUNTY MUD 115	(121)	(224)	(222)	(221)	(221)	(221)
FORT BEND COUNTY MUD 23	(161)	(523)	(513)	(503)	(511)	(539)
FORT BEND COUNTY MUD 24	0	(62)	(77)	(77)	(76)	(76)
FORT BEND COUNTY MUD 25	(52)	(386)	(370)	(358)	(362)	(377)
FORT BEND COUNTY MUD 26	(68)	(298)	(359)	(340)	(330)	(330)
FORT BEND COUNTY MUD 42	(95)	(423)	(398)	(374)	(363)	(363)
FORT BEND COUNTY MUD 46	279	79	15	19	21	21
FORT BEND COUNTY MUD 47	98	31	12	13	13	13
FORT BEND COUNTY MUD 48	(159)	(285)	(283)	(282)	(281)	(281)
FORT BEND COUNTY MUD 49	(74)	(163)	(162)	(161)	(161)	(161)
FORT BEND COUNTY WCID 2	7,132	3,601	2,697	1,922	1,078	92
FORT BEND COUNTY WCID 3	(4)	(25)	(24)	(23)	(23)	(23)
FULSHEAR	(165)	(825)	(802)	(760)	(740)	(739)
HOUSTON	847	(91)	(159)	(233)	(333)	(455)
MEADOWCREEK MUD	(43)	(191)	(180)	(168)	(163)	(163)
MEADOWS PLACE	(7)	(23)	(20)	(20)	(19)	(20)
MISSOURI CITY	4,205	4,141	4,186	4,234	4,277	4,316
NORTH FORT BEND WATER AUTHORITY	(2,298)	(11,940)	(18,886)	(22,911)	(24,862)	(25,767)
PALMER PLANTATION MUD 1	(57)	(254)	(238)	(224)	(218)	(218)
PALMER PLANTATION MUD 2	(49)	(132)	(121)	(111)	(106)	(106)
PEARLAND	157	122	98	63	14	(48)
PECAN GROVE MUD 1	713	707	707	705	704	703
QUAIL VALLEY UD	368	(547)	(798)	(723)	(688)	(687)

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**Region H Water User Group (WUG) Needs/Surplus\***

SIENNA PLANTATION	3,470	1,815	770	(231)	(1,234)	(2,188)
SUGAR LAND	1,881	1,142	972	809	623	459
TDCJ JESTER UNITS	(88)	(283)	(264)	(245)	(236)	(236)
THUNDERBIRD UD	(133)	(594)	(558)	(524)	(509)	(508)
COUNTY-OTHER	1,768	3,220	1,755	21	(1,261)	(2,285)
MANUFACTURING	1,124	146	197	247	274	281
MINING	(5)	(10)	(7)	(5)	(4)	(2)
LIVESTOCK	(17)	(13)	(8)	(2)	0	0
IRRIGATION	(122)	(30)	71	172	220	220
<b>GALVESTON COUNTY - NECHES-TRINITY BASIN</b>						
BOLIVAR PENINSULA SUD	5,802	5,766	5,723	5,672	5,612	5,541
COUNTY-OTHER	(4)	(5)	(7)	(9)	(12)	(14)
MINING	(70)	(76)	(83)	(89)	(95)	(103)
LIVESTOCK	(53)	(53)	(53)	(53)	(53)	(53)
IRRIGATION	(51)	(51)	(51)	(51)	(51)	(51)
<b>GALVESTON COUNTY - SAN JACINTO-BRAZOS BASIN</b>						
BACLIFF MUD	696	727	743	742	742	741
BAYVIEW MUD	249	243	242	237	233	229
FRIENDSWOOD	6,792	6,289	5,820	5,283	4,687	4,011
GALVESTON	11,828	11,319	10,664	9,918	9,206	8,436
GALVESTON COUNTY FWSD 6	(10)	(3)	1	3	4	5
GALVESTON COUNTY MUD 12	197	207	215	219	221	224
GALVESTON COUNTY WCID 1	629	408	163	(111)	(408)	(712)
GALVESTON COUNTY WCID 12	(668)	(1,040)	(1,071)	(1,101)	(1,131)	(1,156)
GALVESTON COUNTY WCID 8	594	605	605	598	587	573
HITCHCOCK	584	465	396	339	287	246
JAMAICA BEACH	0	0	0	0	0	0
LA MARQUE	(313)	(492)	(488)	(496)	(520)	(544)
LEAGUE CITY	15,237	13,902	12,853	11,961	11,427	11,053
SAN LEON MUD	1,366	1,340	1,323	1,307	1,290	1,272
TEXAS CITY	13,685	13,348	13,078	12,806	12,518	12,249
COUNTY-OTHER	(1,038)	(919)	(844)	(770)	(700)	(625)
MANUFACTURING	5,465	(3,413)	(3,063)	(2,714)	(2,364)	(2,020)
MINING	(273)	(292)	(322)	(348)	(373)	(397)
LIVESTOCK	(184)	(184)	(184)	(184)	(184)	(184)
IRRIGATION	(4,804)	(4,804)	(4,804)	(4,804)	(4,804)	(4,804)
<b>HARRIS COUNTY - SAN JACINTO BASIN</b>						
BAKER ROAD MUD	(14)	(108)	(167)	(163)	(163)	(164)
BAYTOWN	0	0	0	0	0	0
BELLAIRE	(42)	(62)	(109)	(96)	(105)	(120)
BLUE BELL MANOR UTILITY	(31)	(223)	(375)	(394)	(426)	(454)
BUNKER HILL VILLAGE	(17)	(25)	(43)	(38)	(41)	(47)
CENTRAL HARRIS COUNTY REGIONAL WATER AUTHORITY	573	(1,209)	(2,512)	(2,687)	(2,900)	(3,147)
CHIMNEY HILL MUD	30	35	38	40	40	39
CROSBY MUD	689	684	677	673	669	662
DEER PARK	227	141	70	(33)	(42)	(46)
DOUGLAS UTILITY	(12)	(74)	(113)	(110)	(111)	(113)

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**Region H Water User Group (WUG) Needs/Surplus\***

EL DORADO UD	(20)	(139)	(221)	(223)	(226)	(227)
FOREST HILLS MUD	5	(112)	(203)	(196)	(195)	(196)
FORT BEND COUNTY WCID 2	0	0	0	0	0	0
GALENA PARK	151	181	202	208	195	180
GREEN TRAILS MUD	(31)	(215)	(345)	(341)	(342)	(346)
GREENWOOD UD	(3)	(5)	(9)	(7)	(7)	(8)
HARRIS COUNTY FWSD 58	(19)	(148)	(251)	(265)	(284)	(304)
HARRIS COUNTY MUD 106	(107)	(543)	(894)	(903)	(927)	(952)
HARRIS COUNTY MUD 11	15	(81)	(153)	(155)	(165)	(176)
HARRIS COUNTY MUD 119	16	(163)	(286)	(284)	(295)	(308)
HARRIS COUNTY MUD 122	(8)	(31)	(55)	(53)	(52)	(52)
HARRIS COUNTY MUD 132	(53)	(362)	(570)	(562)	(564)	(570)
HARRIS COUNTY MUD 148	(58)	(62)	(65)	(62)	(62)	(64)
HARRIS COUNTY MUD 151	(55)	(377)	(600)	(588)	(590)	(596)
HARRIS COUNTY MUD 152	(54)	(384)	(634)	(640)	(655)	(673)
HARRIS COUNTY MUD 153	(66)	(448)	(713)	(695)	(695)	(700)
HARRIS COUNTY MUD 154	(52)	(353)	(570)	(572)	(594)	(623)
HARRIS COUNTY MUD 158	(24)	(18)	(15)	(12)	(12)	(13)
HARRIS COUNTY MUD 180	(27)	(203)	(335)	(327)	(326)	(326)
HARRIS COUNTY MUD 189	(18)	(128)	(213)	(220)	(231)	(246)
HARRIS COUNTY MUD 216	(8)	(59)	(91)	(88)	(88)	(89)
HARRIS COUNTY MUD 221	(22)	(178)	(290)	(298)	(311)	(325)
HARRIS COUNTY MUD 23	(13)	(11)	(9)	(7)	(7)	(7)
HARRIS COUNTY MUD 278	(51)	(651)	(975)	(956)	(956)	(958)
HARRIS COUNTY MUD 290	0	(228)	(401)	(419)	(432)	(443)
HARRIS COUNTY MUD 321	(11)	(11)	(10)	(9)	(9)	(9)
HARRIS COUNTY MUD 342	0	0	(62)	(50)	(50)	(53)
HARRIS COUNTY MUD 344	(51)	(107)	0	0	0	0
HARRIS COUNTY MUD 345	(45)	(305)	(482)	(467)	(466)	(469)
HARRIS COUNTY MUD 36	(19)	(146)	(226)	(220)	(220)	(221)
HARRIS COUNTY MUD 361	0	0	(62)	(50)	(51)	(54)
HARRIS COUNTY MUD 372	174	(35)	(28)	(23)	(23)	(24)
HARRIS COUNTY MUD 400	(62)	(488)	(824)	(862)	(890)	(906)
HARRIS COUNTY MUD 412	342	162	19	0	(26)	(30)
HARRIS COUNTY MUD 420	(1)	(2)	(3)	(3)	(3)	(3)
HARRIS COUNTY MUD 46	(31)	(209)	(327)	(316)	(315)	(317)
HARRIS COUNTY MUD 49	327	117	(36)	(32)	(32)	(34)
HARRIS COUNTY MUD 5	(18)	(14)	(12)	(10)	(11)	(12)
HARRIS COUNTY MUD 50	239	250	244	243	243	240
HARRIS COUNTY MUD 58	(12)	(94)	(158)	(152)	(152)	(152)
HARRIS COUNTY MUD 6	43	(115)	(208)	(201)	(200)	(201)
HARRIS COUNTY MUD 8	186	204	215	218	219	218
HARRIS COUNTY MUD 96	(20)	(16)	(14)	(12)	(13)	(15)
HARRIS COUNTY UD 14	(37)	(115)	(186)	(210)	(248)	(298)
HARRIS COUNTY UD 15	0	(175)	(325)	(308)	(294)	(284)
HARRIS COUNTY WCID 1	113	132	129	112	94	74
HARRIS COUNTY WCID 133	(34)	(224)	(367)	(392)	(436)	(486)

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**Region H Water User Group (WUG) Needs/Surplus\***

HARRIS COUNTY WCID 70	(12)	(92)	(141)	(137)	(137)	(137)
HARRIS COUNTY WCID 74	(30)	(195)	(298)	(282)	(281)	(283)
HARRIS COUNTY WCID 96	1,992	1,513	1,193	1,201	1,202	1,201
HARRIS COUNTY WCID-FONDREN ROAD	(3)	(6)	(11)	(9)	(9)	(9)
HILSHIRE VILLAGE	(7)	(6)	(5)	(4)	(5)	(6)
HMW SUD	(20)	(186)	(348)	(420)	(420)	(421)
HOUSTON	45,577	(26,570)	(86,309)	(107,312)	(133,051)	(161,286)
HUMBLE	(95)	(89)	(81)	(70)	(75)	(82)
JACINTO CITY	267	286	273	259	240	220
JERSEY VILLAGE	226	(50)	(41)	(34)	(35)	(37)
KATY	(160)	(1,189)	(1,967)	(2,011)	(2,090)	(2,174)
KINGS MANOR MUD	(51)	(93)	(120)	(119)	(118)	(118)
LA PORTE	51	51	51	51	51	51
LAKE MUD	2	2	1	2	2	2
LONGHORN TOWN UD	(18)	(122)	(193)	(188)	(188)	(189)
LUCE BAYOU PUD	(7)	(54)	(91)	(90)	(89)	(89)
MASON CREEK UD	(72)	(479)	(753)	(735)	(733)	(737)
MEMORIAL VILLAGES WATER AUTHORITY	(2,253)	(2,633)	(3,089)	(3,504)	(3,994)	(4,537)
MORGANS POINT	80	78	77	76	74	73
MOUNT HOUSTON ROAD MUD	(31)	(300)	(535)	(587)	(631)	(667)
NEWPORT MUD	554	248	38	28	11	(11)
NORTH BELT UD	(26)	(175)	(281)	(284)	(296)	(310)
NORTH CHANNEL WATER AUTHORITY	617	583	468	409	225	45
NORTH FOREST MUD	(10)	(69)	(107)	(103)	(103)	(104)
NORTH FORT BEND WATER AUTHORITY	84	(663)	(1,125)	(1,161)	(1,186)	(1,201)
NORTH GREEN MUD	(17)	(160)	(257)	(252)	(257)	(262)
NORTH HARRIS COUNTY REGIONAL WATER AUTHORITY	(7,832)	(47,532)	(76,782)	(80,151)	(84,008)	(87,786)
NORTHWEST HARRIS COUNTY MUD 16	(25)	(188)	(291)	(281)	(281)	(282)
PARKWAY MUD	(5)	(7)	(12)	(10)	(10)	(10)
PASADENA	24,118	24,024	23,797	23,592	23,146	22,622
PINE VILLAGE PUD	(12)	(87)	(145)	(152)	(162)	(174)
PINEWOOD COMMUNITY	(6)	(42)	(64)	(61)	(61)	(62)
QUADVEST	(9)	(92)	(187)	(242)	(316)	(394)
ROLLING FORK PUD	21	(109)	(192)	(188)	(187)	(188)
SEQUOIA IMPROVEMENT DISTRICT	(8)	(62)	(105)	(102)	(102)	(102)
SOUTH HOUSTON	2,637	2,640	2,622	2,606	2,558	2,500
SOUTHERN WATER	(23)	(173)	(266)	(256)	(255)	(256)
SOUTHSIDE PLACE	(3)	(5)	(7)	(6)	(6)	(7)
SOUTHWEST HARRIS COUNTY MUD 1	29	8	10	13	14	14
SPRING VALLEY	(52)	(409)	(701)	(757)	(835)	(923)
SUBURBAN UTILITY	(17)	(112)	(175)	(168)	(168)	(168)
SUNBELT FWSD	345	(138)	(162)	(134)	(137)	(149)
THE COMMONS WATER SUPPLY	(20)	(150)	(248)	(252)	(259)	(265)
THE WOODLANDS	(177)	(1,416)	(2,523)	(2,708)	(2,891)	(3,048)
TOMBALL	(160)	(1,203)	(2,005)	(2,069)	(2,167)	(2,268)
TRAIL OF THE LAKES MUD	(43)	(368)	(590)	(581)	(585)	(592)
WALLER	(28)	(52)	(71)	(74)	(78)	(84)

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**Region H Water User Group (WUG) Needs/Surplus\***

WEST HARRIS COUNTY MUD 6	(18)	(139)	(227)	(230)	(237)	(243)
WEST HARRIS COUNTY REGIONAL WATER AUTHORITY	5,001	(16,582)	(33,925)	(37,294)	(38,581)	(39,840)
WEST UNIVERSITY PLACE	(20)	(34)	(65)	(55)	(61)	(70)
WOODCREEK MUD	(20)	(131)	(206)	(201)	(202)	(207)
COUNTY-OTHER	(805)	(6,807)	(10,711)	(10,906)	(13,710)	(16,390)
MANUFACTURING	105,159	79,944	79,043	79,476	79,464	79,359
MINING	(2,637)	(2,625)	(2,591)	(2,557)	(2,534)	(2,518)
STEAM ELECTRIC POWER	(6,099)	(6,155)	(6,284)	(6,222)	(6,224)	(6,239)
LIVESTOCK	(428)	(802)	(1,051)	(1,046)	(1,046)	(1,047)
IRRIGATION	2,713	2,546	2,164	2,348	2,342	2,298
<b>HARRIS COUNTY - SAN JACINTO-BRAZOS BASIN</b>						
BAYBROOK MUD 1	1,791	1,782	1,756	1,736	1,719	1,700
CLEAR BROOK CITY MUD	1,385	1,394	1,240	1,153	1,068	981
CLEAR LAKE CITY WATER AUTHORITY	6,720	6,497	5,685	5,039	4,340	3,612
DEER PARK	0	0	0	0	0	0
FRIENDSWOOD	0	0	0	0	0	0
HARRIS COUNTY MUD 55	2,720	2,687	2,658	2,604	2,514	2,382
HARRIS COUNTY WCID 156	29	30	30	33	34	36
HARRIS COUNTY WCID 50	(2)	(3)	(4)	(3)	(3)	(4)
HARRIS COUNTY WCID 89	2,472	2,477	2,480	2,480	2,479	2,476
HOUSTON	0	(781)	(1,680)	(2,471)	(3,458)	(4,540)
KIRK MONT MUD	(4)	(5)	(9)	(8)	(9)	(10)
LA PORTE	3,307	3,342	3,372	3,348	3,302	3,245
LEAGUE CITY	0	0	0	0	0	0
MORGANS POINT	394	385	376	368	360	353
NASSAU BAY	1,248	1,240	1,239	1,224	1,213	1,199
PASADENA	0	0	0	0	0	0
PEARLAND	505	462	365	223	47	(144)
SAGEMEADOW UD	318	272	219	154	80	1
SEABROOK	57	51	46	21	(4)	(35)
SHOREACRES	70	70	69	66	61	57
WEBSTER	5,592	5,330	5,131	4,955	4,832	4,730
COUNTY-OTHER	(226)	(352)	(326)	(35)	(194)	(344)
MANUFACTURING	31,191	20,458	20,096	20,270	20,265	20,223
MINING	(177)	(176)	(174)	(172)	(171)	(169)
STEAM ELECTRIC POWER	(170)	(170)	(171)	(171)	(171)	(171)
<b>HARRIS COUNTY - TRINITY-SAN JACINTO BASIN</b>						
BAYTOWN	2,895	2,923	2,874	2,770	2,523	2,241
COUNTRY TERRACE WATER	13	8	1	(4)	(11)	(19)
HARRIS COUNTY FWSD 1-A	67	62	55	51	44	37
HARRIS COUNTY FWSD 27	50	40	29	18	7	(6)
HARRIS COUNTY WCID 1	0	0	0	0	0	0
HOUSTON	15	(1)	(13)	(16)	(18)	(21)
LAKE MUD	851	841	844	848	848	849
SPRING MEADOWS MUD	(3)	(4)	(7)	(6)	(6)	(6)
COUNTY-OTHER	(706)	(1,052)	(1,506)	(1,808)	(2,097)	(2,387)
MANUFACTURING	(6,754)	(20,863)	(22,783)	(23,884)	(23,887)	(23,930)

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**Region H Water User Group (WUG) Needs/Surplus\***

MINING	(149)	(148)	(146)	(143)	(142)	(142)
LIVESTOCK	(102)	(103)	(104)	(103)	(103)	(103)
IRRIGATION	2,373	2,354	2,312	2,333	2,332	2,327
<b>LEON COUNTY - BRAZOS BASIN</b>						
CONCORD-ROBBINS WSC	0	0	0	0	0	0
HILLTOP LAKES WSC	0	0	0	0	0	0
JEWETT	0	0	0	0	0	0
NORMANGEE	0	0	0	0	0	0
SOUTHEAST WSC	0	0	0	0	0	0
COUNTY-OTHER	0	0	0	0	0	0
MINING	0	(24)	0	0	0	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	0	0	0	0	0	0
<b>LEON COUNTY - TRINITY BASIN</b>						
BUFFALO	0	0	0	0	0	0
CENTERVILLE	0	0	0	0	0	0
CONCORD-ROBBINS WSC	0	0	0	0	0	0
FLO COMMUNITY WSC	0	0	0	0	0	0
JEWETT	0	0	0	0	0	0
NORMANGEE	0	0	0	0	0	0
SOUTHEAST WSC	0	0	0	0	0	0
COUNTY-OTHER	0	0	0	0	0	0
MANUFACTURING	58	(143)	(143)	(143)	(143)	(143)
MINING	0	(55)	0	0	0	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	0	0	0	0	0	0
<b>LIBERTY COUNTY - NECHES BASIN</b>						
DAISETTA	0	0	0	0	0	0
DEVERS	0	0	0	0	0	0
HARDIN WSC	0	0	0	0	0	0
LIBERTY COUNTY FWSD 1 HULL	0	0	0	0	0	0
WEST HARDIN WSC	3	4	4	5	4	6
COUNTY-OTHER	0	0	0	0	0	0
MANUFACTURING	0	0	0	0	0	0
MINING	0	(2)	(1)	(4)	(7)	(12)
LIVESTOCK	(55)	(55)	(55)	(55)	(55)	(55)
IRRIGATION	(7,644)	(7,644)	(7,644)	(7,644)	(7,644)	(7,644)
<b>LIBERTY COUNTY - NECHES-TRINITY BASIN</b>						
COUNTY-OTHER	0	0	0	0	0	0
MINING	0	(1)	0	(2)	(3)	(5)
LIVESTOCK	(30)	(30)	(30)	(30)	(30)	(30)
IRRIGATION	14,172	14,172	14,172	14,172	14,172	14,172
<b>LIBERTY COUNTY - SAN JACINTO BASIN</b>						
CLEVELAND	0	0	0	0	0	0
MERCY WSC	0	0	0	0	0	0
SOUTH CLEVELAND WSC	0	0	0	0	0	0
T & W WATER SERVICE	0	0	0	0	0	0

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**Region H Water User Group (WUG) Needs/Surplus\***

TARKINGTON SUD	0	0	0	0	0	0
COUNTY-OTHER	0	0	0	0	0	0
MANUFACTURING	0	0	0	0	0	0
MINING	0	(4)	(2)	(6)	(11)	(18)
LIVESTOCK	(94)	(94)	(94)	(94)	(94)	(94)
IRRIGATION	(1,700)	(1,700)	(1,700)	(1,700)	(1,700)	(1,700)
<b>LIBERTY COUNTY - TRINITY BASIN</b>						
DAISETTA	0	0	0	0	0	0
DAYTON	0	0	0	0	0	0
DEVERS	0	0	0	0	0	0
HARDIN WSC	0	0	0	0	0	0
LAKE LIVINGSTON WSC	80	80	80	81	81	81
LIBERTY	0	0	0	0	0	0
LIBERTY COUNTY FWSD 1 HULL	0	0	0	0	0	0
T & W WATER SERVICE	0	0	0	0	0	0
TARKINGTON SUD	0	0	0	0	0	0
WOODCREEK WATER OF LIBERTY	0	(18)	(40)	(64)	(89)	(116)
COUNTY-OTHER	0	0	0	0	0	0
MANUFACTURING	0	0	0	0	0	0
MINING	0	(12)	(5)	(17)	(34)	(61)
LIVESTOCK	(323)	(323)	(323)	(323)	(323)	(323)
IRRIGATION	6,455	6,455	6,455	6,455	6,455	6,455
<b>LIBERTY COUNTY - TRINITY-SAN JACINTO BASIN</b>						
DAYTON	0	0	0	0	0	0
COUNTY-OTHER	0	0	0	0	0	0
MINING	0	(1)	(1)	(2)	(4)	(6)
LIVESTOCK	(36)	(36)	(36)	(36)	(36)	(36)
IRRIGATION	0	0	0	0	0	0
<b>MADISON COUNTY - BRAZOS BASIN</b>						
MADISON COUNTY WSC	0	0	0	0	0	0
NORTH ZULCH MUD	0	0	0	0	0	(1)
COUNTY-OTHER	0	0	0	0	0	(12)
MINING	0	(75)	(31)	0	0	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	0	0	0	0	0	0
<b>MADISON COUNTY - TRINITY BASIN</b>						
MADISON COUNTY WSC	0	0	0	0	0	(10)
MADISONVILLE	0	0	0	0	(1)	(58)
NORMANGEE	0	0	0	0	0	0
NORTH ZULCH MUD	0	0	0	0	0	(11)
COUNTY-OTHER	(2)	2	0	0	(2)	(62)
MINING	0	(300)	(126)	0	0	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	169	169	169	169	169	169
<b>MONTGOMERY COUNTY - SAN JACINTO BASIN</b>						
CHATEAU WOODS MUD	(73)	(73)	(72)	(72)	(72)	(71)
CLEVELAND	17	16	13	10	6	1

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**Region H Water User Group (WUG) Needs/Surplus\***

CONROE	163	(2,111)	(4,174)	(6,123)	(8,277)	(10,602)
CORINTHIAN POINT MUD 2	72	2	(77)	(75)	(74)	(74)
CUT & SHOOT	(100)	(111)	(156)	(228)	(333)	(472)
DOBBLIN PLANTERSVILLE WSC	(338)	(536)	(813)	(1,180)	(1,667)	(2,309)
DOMESTIC WATER	(47)	(89)	(137)	(134)	(133)	(132)
EAST PLANTATION UD	(65)	(65)	(64)	(64)	(63)	(63)
FAR HILLS UD	100	4	(106)	(103)	(102)	(101)
GULF UTILITY	(220)	(215)	(212)	(208)	(206)	(205)
HARRIS-MONTGOMERY COUNTIES MUD 386	0	10	16	20	21	21
HMW SUD	(236)	(385)	(549)	(750)	(746)	(744)
HOUSTON	83	(301)	(722)	(1,132)	(1,542)	(1,661)
JOHNSTON WATER UTILITY	(203)	(410)	(645)	(930)	(1,285)	(1,713)
KINGS MANOR MUD	22	31	38	43	45	45
LAKE BONANZA WSC	(59)	(113)	(175)	(251)	(349)	(468)
LAKE CONROE HILLS MUD	(63)	(120)	(187)	(269)	(373)	(500)
LAZY RIVER IMPROVEMENT DISTRICT	(60)	(119)	(187)	(185)	(184)	(184)
MAGNOLIA	(201)	(401)	(667)	(1,066)	(1,657)	(2,576)
MONTGOMERY	58	(475)	(750)	(1,029)	(1,316)	(1,765)
MONTGOMERY COUNTY MUD 112	(78)	(156)	(152)	(150)	(149)	(149)
MONTGOMERY COUNTY MUD 115	(22)	(78)	(140)	(138)	(137)	(136)
MONTGOMERY COUNTY MUD 119	(215)	(431)	(677)	(671)	(669)	(667)
MONTGOMERY COUNTY MUD 15	(171)	(217)	(296)	(376)	(507)	(701)
MONTGOMERY COUNTY MUD 18	501	15	(277)	(572)	(872)	(1,604)
MONTGOMERY COUNTY MUD 19	(69)	(56)	(45)	(41)	(44)	(46)
MONTGOMERY COUNTY MUD 56	(43)	(83)	(134)	(176)	(176)	(175)
MONTGOMERY COUNTY MUD 8	764	748	705	659	607	486
MONTGOMERY COUNTY MUD 83	(193)	(88)	(104)	(116)	(130)	(138)
MONTGOMERY COUNTY MUD 84	(29)	(257)	(247)	(243)	(241)	(241)
MONTGOMERY COUNTY MUD 88	0	0	0	0	0	0
MONTGOMERY COUNTY MUD 89	34	10	(19)	(50)	(96)	(113)
MONTGOMERY COUNTY MUD 9	(192)	(214)	(330)	(451)	(448)	(446)
MONTGOMERY COUNTY MUD 95	0	(14)	(42)	(58)	(78)	(97)
MONTGOMERY COUNTY MUD 98	(80)	(120)	(166)	(164)	(163)	(163)
MONTGOMERY COUNTY MUD 99	(43)	(93)	(150)	(148)	(148)	(148)
MONTGOMERY COUNTY UD 2	14	19	15	0	(19)	(46)
MONTGOMERY COUNTY UD 3	236	162	166	134	72	12
MONTGOMERY COUNTY UD 4	229	148	153	100	(35)	(235)
MONTGOMERY COUNTY WCID 1	(17)	(25)	(39)	(68)	(99)	(140)
MSEC ENTERPRISES	(753)	(3,980)	(4,405)	(4,958)	(5,679)	(6,088)
NEW CANEY MUD	(179)	(212)	(256)	(329)	(436)	(569)
OAK RIDGE NORTH	(47)	(57)	(83)	(96)	(103)	(105)
PANORAMA VILLAGE	(49)	(50)	(79)	(123)	(187)	(274)
PINEHURST DECKER PRAIRIE WSC	(21)	(35)	(96)	(185)	(324)	(566)
POINT AQUARIUS MUD	438	442	419	385	335	269
PORTER SUD	(212)	(757)	(1,236)	(1,647)	(2,065)	(2,413)
QUADVEST	(1,331)	(2,769)	(4,470)	(6,504)	(9,008)	(11,703)
RANCH UTILITIES	(40)	(76)	(71)	(69)	(69)	(69)

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**Region H Water User Group (WUG) Needs/Surplus\***

RAYFORD ROAD MUD	(127)	(80)	(165)	(269)	(388)	(431)
RIVER PLANTATION MUD	9	(20)	(208)	(397)	(611)	(687)
ROMAN FOREST CONSOLIDATED MUD	(66)	(63)	(86)	(119)	(162)	(219)
SHENANDOAH	(463)	(842)	(994)	(1,097)	(1,220)	(1,378)
SOUTHERN MONTGOMERY COUNTY MUD	72	68	69	62	47	26
SPLENDORA	(206)	(248)	(381)	(561)	(797)	(1,098)
SPRING CREEK UD	(260)	(325)	(361)	(445)	(559)	(598)
STANLEY LAKE MUD	235	165	(40)	(317)	(686)	(1,149)
T & W WATER SERVICE	(425)	(805)	(1,229)	(1,735)	(2,363)	(3,113)
THE WOODLANDS	(269)	(1,497)	(2,724)	(4,198)	(6,457)	(9,238)
VALLEY RANCH MUD 1	0	0	0	0	0	0
WESTWOOD NORTH WSC	(126)	(130)	(180)	(231)	(283)	(358)
WHITE OAK UTILITIES	(2)	(33)	(30)	(27)	(26)	(26)
WHITE OAK WSC	(18)	(37)	(34)	(32)	(31)	(31)
WILLIS	1,349	1,341	1,290	1,206	1,078	897
WOOD BRANCH VILLAGE	(10)	(11)	(24)	(46)	(75)	(112)
COUNTY-OTHER	(7,748)	(19,543)	(35,449)	(55,891)	(81,962)	(114,111)
MANUFACTURING	(796)	(1,072)	(1,068)	(1,064)	(1,062)	(1,061)
MINING	(397)	(372)	(291)	(247)	(215)	(194)
STEAM ELECTRIC POWER	6,349	6,352	6,364	6,373	6,377	6,380
LIVESTOCK	(147)	(146)	(145)	(144)	(143)	(143)
IRRIGATION	(654)	(650)	(636)	(625)	(620)	(616)
<b>POLK COUNTY - TRINITY BASIN</b>						
LAKE LIVINGSTON WSC	529	530	529	529	529	529
LEGGETT WSC	0	0	0	0	0	0
LIVINGSTON	3,006	2,735	2,524	2,337	2,177	2,047
MEMORIAL POINT UD	10	10	10	10	10	10
MOSCOW WSC	8	6	5	3	2	1
ONALASKA WSC	0	0	0	0	0	0
PROVIDENCE WSC	0	0	0	0	0	0
SODA WSC	0	0	0	0	0	0
TEMPE WSC 1	0	0	0	0	0	0
COUNTY-OTHER	12	12	12	12	12	12
MANUFACTURING	0	0	0	0	0	0
MINING	0	0	0	0	11	23
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	0	0	0	0	0	0
<b>SAN JACINTO COUNTY - SAN JACINTO BASIN</b>						
MERCY WSC	0	0	0	0	0	0
ONE FIVE O WSC	0	0	0	0	0	0
P B & S C WSC	0	0	0	0	0	0
SAN JACINTO SUD	72	72	71	72	72	71
COUNTY-OTHER	0	0	0	0	0	0
MANUFACTURING	0	0	0	0	0	0
MINING	0	0	0	0	0	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	0	0	0	0	0	0

\*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.

**Region H Water User Group (WUG) Needs/Surplus\***

<b>SAN JACINTO COUNTY - TRINITY BASIN</b>						
CAPE ROYALE UD	0	0	0	0	0	0
DODGE OAKHURST WSC	0	0	0	0	0	0
LAKE LIVINGSTON WSC	165	165	165	165	165	165
P B & S C WSC	0	0	0	0	0	0
RIVERSIDE WSC	0	0	0	0	0	0
SAN JACINTO SUD	208	208	209	208	208	209
SHEPHERD	0	0	0	0	0	0
WATERWOOD MUD 1	336	336	336	336	336	336
COUNTY-OTHER	0	0	0	0	0	0
MINING	0	0	0	0	0	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	120	120	120	120	120	120
<b>TRINITY COUNTY - TRINITY BASIN</b>						
GLENDALE WSC	39	33	34	39	35	29
GROVETON	310	308	310	310	308	308
LAKE LIVINGSTON WSC	120	120	120	120	118	111
PENNINGTON WSC	0	0	0	0	0	0
TRINITY	776	761	771	790	777	758
TRINITY RURAL WSC	0	0	0	0	0	0
WESTWOOD SHORES MUD	350	343	345	351	346	339
COUNTY-OTHER	20	20	20	20	20	20
MINING	0	0	0	0	0	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	34	34	34	34	34	34
<b>WALKER COUNTY - SAN JACINTO BASIN</b>						
DODGE OAKHURST WSC	0	0	0	0	0	0
HUNTSVILLE	11,977	11,843	11,759	11,643	11,525	11,420
NEW WAVERLY	0	0	0	0	0	0
PHELPS SUD	0	0	0	0	0	0
WALKER COUNTY RURAL SUD	0	0	0	0	0	0
COUNTY-OTHER	1,600	1,610	1,621	1,625	1,619	1,613
MANUFACTURING	0	0	0	0	0	0
MINING	0	0	0	0	0	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	0	0	0	0	0	0
<b>WALKER COUNTY - TRINITY BASIN</b>						
DODGE OAKHURST WSC	0	0	0	0	0	0
HUNTSVILLE	2,452	2,426	2,408	2,386	2,360	2,340
LAKE LIVINGSTON WSC	12	11	12	11	11	11
PHELPS SUD	0	0	0	0	0	0
RIVERSIDE WSC	10	10	10	10	10	10
THE CONSOLIDATED WSC	0	0	0	0	0	0
TRINITY RURAL WSC	0	0	0	0	0	0
WALKER COUNTY RURAL SUD	0	0	0	0	0	0
COUNTY-OTHER	999	994	996	991	983	976
MANUFACTURING	337	337	337	337	337	337

\*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.

**Region H Water User Group (WUG) Needs/Surplus\***

MINING	0	0	0	0	0	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	0	0	0	0	0	0
<b>WALLER COUNTY - BRAZOS BASIN</b>						
BROOKSHIRE MWD	0	0	0	0	0	0
G & W WSC	0	0	0	(9)	(59)	(113)
HEMPSTEAD	0	0	0	0	0	(225)
PATTISON WSC	0	0	0	0	0	0
PRAIRIE VIEW	0	0	0	0	0	0
PRAIRIE VIEW A&M UNIVERSITY	0	0	0	0	0	0
QUADVEST	0	0	0	0	0	0
COUNTY-OTHER	(266)	(511)	(797)	(1,121)	(1,491)	(1,895)
MANUFACTURING	0	0	0	0	0	0
MINING	0	0	0	0	0	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	0	0	0	0	0	0
<b>WALLER COUNTY - SAN JACINTO BASIN</b>						
G & W WSC	0	0	0	(29)	(182)	(349)
KATY	0	0	0	0	0	0
OAK HOLLOW UTILITY	0	0	0	0	0	0
PRAIRIE VIEW	0	0	0	0	0	0
PRAIRIE VIEW A&M UNIVERSITY	0	0	0	0	0	0
WALLER	0	0	0	0	0	0
WHITE OAK UTILITIES	0	0	0	0	0	0
COUNTY-OTHER	(369)	(597)	(863)	(1,166)	(1,511)	(1,888)
MANUFACTURING	16	16	16	16	16	16
MINING	0	0	0	0	0	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	0	0	0	0	0	0

\*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.

**APPENDIX TM-D3  
TWDB DB22 REPORT:  
WUG CATEGORY SUMMARY**

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### Region H Water User Group (WUG) Category Summary\*

<b>MUNICIPAL</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>	<b>2070</b>
POPULATION	6,663,025	7,315,573	7,892,541	8,418,267	8,899,942	9,382,071
DEMAND (acre-feet per year)	1,176,380	1,272,539	1,358,792	1,442,210	1,525,267	1,609,898
EXISTING SUPPLIES (acre-feet per year)	1,393,911	1,255,591	1,190,323	1,217,737	1,238,934	1,256,800
NEEDS (acre-feet per year)	29,643	183,513	325,307	373,086	427,051	486,260

<b>COUNTY-OTHER</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>	<b>2070</b>
POPULATION	662,289	892,127	1,131,992	1,449,245	1,866,131	2,361,207
DEMAND (acre-feet per year)	88,855	116,075	144,503	183,338	235,269	297,022
EXISTING SUPPLIES (acre-feet per year)	78,433	79,683	79,610	85,466	93,185	101,926
NEEDS (acre-feet per year)	15,792	43,187	70,196	101,395	145,518	198,461

<b>MANUFACTURING</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>	<b>2070</b>
DEMAND (acre-feet per year)	594,455	694,635	694,635	694,635	694,635	694,635
EXISTING SUPPLIES (acre-feet per year)	782,482	786,578	785,930	787,958	790,420	792,680
NEEDS (acre-feet per year)	33,257	59,781	61,262	61,941	61,534	61,184

<b>MINING</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>	<b>2070</b>
DEMAND (acre-feet per year)	15,486	16,267	15,426	14,646	13,938	13,657
EXISTING SUPPLIES (acre-feet per year)	12,130	11,975	11,344	10,548	9,630	9,008
NEEDS (acre-feet per year)	3,816	4,736	4,509	4,509	4,712	5,050

<b>STEAM ELECTRIC POWER</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>	<b>2070</b>
DEMAND (acre-feet per year)	104,561	104,561	104,561	104,561	104,561	104,561
EXISTING SUPPLIES (acre-feet per year)	164,789	164,934	165,014	165,283	165,483	165,669
NEEDS (acre-feet per year)	13,735	13,791	13,921	13,859	13,861	13,876

<b>LIVESTOCK</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>	<b>2070</b>
DEMAND (acre-feet per year)	14,164	14,164	14,164	14,164	14,164	14,164
EXISTING SUPPLIES (acre-feet per year)	12,447	12,025	11,761	11,752	11,719	11,676
NEEDS (acre-feet per year)	1,717	2,139	2,403	2,412	2,445	2,488

<b>IRRIGATION</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>	<b>2070</b>
DEMAND (acre-feet per year)	342,862	342,862	342,862	342,862	342,862	342,862
EXISTING SUPPLIES (acre-feet per year)	303,151	302,921	302,746	303,157	303,035	302,620
NEEDS (acre-feet per year)	88,305	88,349	88,171	88,222	88,462	88,828

\*WUG supplies and projected demands are entered for each of a WUG’s region-county-basin divisions. The needs shown in the WUG Category Summary 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 category level, calculated surpluses are updated to zero so that only the WUGs with needs in the decade are included with the Needs totals.

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**APPENDIX TM-D4  
TWDB DB22 REPORT:  
SOURCE WATER BALANCE**

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### Region H Source Water Balance (Availability - WUG Supply)

GROUNDWATER SOURCE TYPE				SOURCE WATER BALANCE (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY*	2020	2030	2040	2050	2060	2070
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	1,647	1,433	1,448	1,619	1,769	1,856
CARRIZO-WILCOX AQUIFER	LEON	TRINITY	FRESH	4,212	4,467	4,940	5,438	5,693	5,796
CARRIZO-WILCOX AQUIFER	MADISON	BRAZOS	FRESH	154	144	125	108	107	107
CARRIZO-WILCOX AQUIFER	MADISON	TRINITY	FRESH	1,191	1,102	1,005	974	1,173	1,296
CARRIZO-WILCOX AQUIFER	TRINITY	TRINITY	FRESH	99	99	99	99	99	99
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	1,780	1,568	1,372	1,122	832	536
GULF COAST AQUIFER SYSTEM	AUSTIN	BRAZOS-COLORADO	FRESH	7,767	7,586	7,486	7,358	7,210	7,050
GULF COAST AQUIFER SYSTEM	AUSTIN	COLORADO	FRESH	53	48	42	34	26	20
GULF COAST AQUIFER SYSTEM	BRAZORIA	BRAZOS	FRESH/ BRACKISH	381	57	0	0	0	0
GULF COAST AQUIFER SYSTEM	BRAZORIA	BRAZOS-COLORADO	FRESH	0	0	0	0	0	0
GULF COAST AQUIFER SYSTEM	BRAZORIA	SAN JACINTO-BRAZOS	FRESH	0	0	0	0	0	0
GULF COAST AQUIFER SYSTEM	CHAMBERS	NECHES-TRINITY	FRESH	6,760	6,739	6,717	6,693	6,666	6,637
GULF COAST AQUIFER SYSTEM	CHAMBERS	TRINITY	FRESH	2,626	1,689	1,263	1,012	735	441
GULF COAST AQUIFER SYSTEM	CHAMBERS	TRINITY-SAN JACINTO	FRESH	221	188	153	115	72	26
GULF COAST AQUIFER SYSTEM	FORT BEND	BRAZOS	FRESH	0	0	0	0	975	674
GULF COAST AQUIFER SYSTEM	FORT BEND	BRAZOS-COLORADO	FRESH	0	0	0	0	1,650	6,326
GULF COAST AQUIFER SYSTEM	FORT BEND	SAN JACINTO	FRESH	0	0	0	0	0	0
GULF COAST AQUIFER SYSTEM	FORT BEND	SAN JACINTO-BRAZOS	FRESH	0	0	0	0	0	0
GULF COAST AQUIFER SYSTEM	GALVESTON	NECHES-TRINITY	FRESH	0	0	0	0	0	1
GULF COAST AQUIFER SYSTEM	GALVESTON	SAN JACINTO-BRAZOS	FRESH	104	405	750	1,070	1,384	1,596
GULF COAST AQUIFER SYSTEM	HARRIS	SAN JACINTO	FRESH	0	0	0	0	0	0
GULF COAST AQUIFER SYSTEM	HARRIS	SAN JACINTO-BRAZOS	FRESH	0	0	0	0	0	0
GULF COAST AQUIFER SYSTEM	HARRIS	TRINITY-SAN JACINTO	FRESH	0	0	0	0	0	0
GULF COAST AQUIFER SYSTEM	LIBERTY	NECHES	FRESH	4,436	4,382	4,360	4,334	4,308	4,282
GULF COAST AQUIFER SYSTEM	LIBERTY	NECHES-TRINITY	FRESH	271	270	269	269	268	267
GULF COAST AQUIFER SYSTEM	LIBERTY	SAN JACINTO	FRESH	2,334	2,211	2,085	1,929	1,746	1,567
GULF COAST AQUIFER SYSTEM	LIBERTY	TRINITY	FRESH	13,558	12,460	11,395	10,244	9,048	7,870
GULF COAST AQUIFER SYSTEM	LIBERTY	TRINITY-SAN JACINTO	FRESH	7,996	7,979	7,963	7,942	7,919	7,897
GULF COAST AQUIFER SYSTEM	MONTGOMERY	SAN JACINTO	FRESH	0	0	0	0	0	0
GULF COAST AQUIFER SYSTEM	MONTGOMERY	SAN JACINTO	BRACKISH	1	1	1	1	1	1
GULF COAST AQUIFER SYSTEM	POLK	TRINITY	FRESH	17,659	17,407	17,213	17,035	16,865	16,718
GULF COAST AQUIFER SYSTEM	SAN JACINTO	SAN JACINTO	FRESH	8,792	8,708	8,644	8,557	8,483	8,416
GULF COAST AQUIFER SYSTEM	SAN JACINTO	TRINITY	FRESH	8,219	8,070	7,947	7,790	7,646	7,516
GULF COAST AQUIFER SYSTEM	TRINITY	TRINITY	FRESH	31	245	247	263	255	256
GULF COAST AQUIFER SYSTEM	WALKER	SAN JACINTO	FRESH	6,324	6,302	6,292	6,273	6,252	6,235

\*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.

### Region H Source Water Balance (Availability - WUG Supply)

GROUNDWATER SOURCE TYPE				SOURCE WATER BALANCE (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY*	2020	2030	2040	2050	2060	2070
GULF COAST AQUIFER SYSTEM	WALKER	TRINITY	FRESH	4,303	4,227	4,196	4,156	4,115	4,077
GULF COAST AQUIFER SYSTEM	WALLER	BRAZOS	FRESH	3,417	3,094	2,730	2,324	1,885	1,520
GULF COAST AQUIFER SYSTEM	WALLER	SAN JACINTO	FRESH	8,172	7,594	6,930	6,227	5,571	4,968
QUEEN CITY AQUIFER	LEON	BRAZOS	FRESH	69	70	68	62	55	48
QUEEN CITY AQUIFER	LEON	TRINITY	FRESH	11	13	15	16	18	19
QUEEN CITY AQUIFER	MADISON	BRAZOS	FRESH	1	1	1	1	1	1
QUEEN CITY AQUIFER	MADISON	TRINITY	FRESH	340	338	337	334	332	330
QUEEN CITY AQUIFER	TRINITY	TRINITY	FRESH	0	0	0	0	0	0
QUEEN CITY AQUIFER	WALKER	TRINITY	FRESH	128	128	128	128	128	128
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	0	0	0	0	0	0
SPARTA AQUIFER	LEON	TRINITY	FRESH	2	3	4	4	5	6
SPARTA AQUIFER	MADISON	BRAZOS	FRESH	1	3	3	3	2	2
SPARTA AQUIFER	MADISON	TRINITY	FRESH	497	389	285	144	0	0
SPARTA AQUIFER	TRINITY	TRINITY	FRESH	29	29	29	29	29	29
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	8	8	8	8	8	8
YEGUA-JACKSON AQUIFER	MADISON	TRINITY	FRESH	473	469	466	461	457	452
YEGUA-JACKSON AQUIFER	POLK	TRINITY	FRESH	0	0	0	0	0	0
YEGUA-JACKSON AQUIFER	TRINITY	TRINITY	FRESH	1,304	1,271	1,280	1,307	1,282	1,252
YEGUA-JACKSON AQUIFER	WALKER	SAN JACINTO	FRESH	351	351	351	351	351	351
YEGUA-JACKSON AQUIFER	WALKER	TRINITY	FRESH	2,606	2,545	2,514	2,481	2,453	2,429
<b>GROUNDWATER TOTAL SOURCE WATER BALANCE</b>				<b>148,631</b>	<b>144,396</b>	<b>141,464</b>	<b>138,618</b>	<b>138,177</b>	<b>139,409</b>

REUSE SOURCE TYPE				SOURCE WATER BALANCE (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY*	2020	2030	2040	2050	2060	2070
DIRECT REUSE	BRAZORIA	BRAZOS	FRESH	0	0	0	0	0	0
DIRECT REUSE	BRAZORIA	SAN JACINTO-BRAZOS	FRESH	0	0	0	0	0	0
DIRECT REUSE	CHAMBERS	NECHES-TRINITY	FRESH	0	0	0	0	0	0
DIRECT REUSE	FORT BEND	BRAZOS	FRESH	0	0	0	0	0	0
DIRECT REUSE	FORT BEND	SAN JACINTO	FRESH	0	0	0	0	0	0
DIRECT REUSE	FORT BEND	SAN JACINTO-BRAZOS	FRESH	0	0	0	0	0	0
DIRECT REUSE	GALVESTON	SAN JACINTO-BRAZOS	FRESH	0	0	0	0	0	0
DIRECT REUSE	HARRIS	SAN JACINTO	FRESH	0	0	0	0	0	0
DIRECT REUSE	HARRIS	SAN JACINTO-BRAZOS	FRESH	0	0	0	0	0	0
DIRECT REUSE	LEON	TRINITY	FRESH	0	0	0	0	0	0
DIRECT REUSE	MONTGOMERY	SAN JACINTO	FRESH	0	0	0	0	0	0
DIRECT REUSE	WALLER	SAN JACINTO	FRESH	0	0	0	0	0	0

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

**Region H Source Water Balance (Availability - WUG Supply)**

REUSE SOURCE TYPE				SOURCE WATER BALANCE (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY*	2020	2030	2040	2050	2060	2070
INDIRECT REUSE	HARRIS	SAN JACINTO	FRESH	5,108	5,108	5,108	5,108	5,108	5,108
INDIRECT REUSE	MONTGOMERY	SAN JACINTO	FRESH	0	0	0	0	0	0
INDIRECT REUSE	WALKER	SAN JACINTO	FRESH	0	0	0	0	0	0
<b>REUSE TOTAL SOURCE WATER BALANCE</b>				<b>5,108</b>	<b>5,108</b>	<b>5,108</b>	<b>5,108</b>	<b>5,108</b>	<b>5,108</b>

SURFACE WATER SOURCE TYPE				SOURCE WATER BALANCE (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY*	2020	2030	2040	2050	2060	2070
BRAZOS RUN-OF-RIVER	BRAZORIA	BRAZOS	FRESH	0	0	0	0	0	0
BRAZOS RUN-OF-RIVER	FORT BEND	BRAZOS	FRESH	0	0	0	0	0	0
BRAZOS RUN-OF-RIVER	WALLER	BRAZOS	FRESH	0	0	0	0	0	0
BRAZOS-COLORADO RUN-OF-RIVER	BRAZORIA	BRAZOS-COLORADO	FRESH	0	0	0	0	0	0
CONROE LAKE/RESERVOIR	RESERVOIR	SAN JACINTO	FRESH	0	0	0	0	0	0
HOUSTON LAKE/RESERVOIR	RESERVOIR	SAN JACINTO	FRESH	0	0	0	0	0	0
LIVINGSTON-WALLISVILLE LAKE/RESERVOIR SYSTEM	RESERVOIR	TRINITY	FRESH	0	0	0	0	0	0
NECHES RUN-OF-RIVER	LIBERTY	NECHES	FRESH	176	176	176	176	176	176
NECHES-TRINITY RUN-OF-RIVER	CHAMBERS	NECHES-TRINITY	FRESH	7	7	7	7	7	7
SAN JACINTO RUN-OF-RIVER	HARRIS	SAN JACINTO	FRESH	0	0	0	0	0	0
SAN JACINTO RUN-OF-RIVER	LIBERTY	SAN JACINTO	FRESH	9	9	9	9	9	9
SAN JACINTO RUN-OF-RIVER	MONTGOMERY	SAN JACINTO	FRESH	0	0	0	0	0	0
SAN JACINTO-BRAZOS RUN-OF-RIVER	BRAZORIA	SAN JACINTO-BRAZOS	FRESH	0	0	0	0	0	0
SAN JACINTO-BRAZOS RUN-OF-RIVER	FORT BEND	SAN JACINTO-BRAZOS	FRESH	0	0	0	0	0	0
SAN JACINTO-BRAZOS RUN-OF-RIVER	GALVESTON	SAN JACINTO-BRAZOS	FRESH	0	0	0	0	0	0
SAN JACINTO-BRAZOS RUN-OF-RIVER	HARRIS	SAN JACINTO-BRAZOS	FRESH	0	0	0	0	0	0
TRINITY RUN-OF-RIVER	CHAMBERS	TRINITY	FRESH	0	0	0	0	0	0
TRINITY RUN-OF-RIVER	LEON	TRINITY	FRESH	0	0	0	0	0	0
TRINITY RUN-OF-RIVER	LIBERTY	TRINITY	FRESH	0	0	0	0	0	0
TRINITY RUN-OF-RIVER	MADISON	TRINITY	FRESH	0	0	0	0	0	0
TRINITY RUN-OF-RIVER	POLK	TRINITY	FRESH	0	0	0	0	0	0
TRINITY RUN-OF-RIVER	WALKER	TRINITY	FRESH	1	1	1	1	1	1
TRINITY RUN-OF-RIVER	TRINITY	TRINITY	FRESH	0	0	0	0	0	0
TRINITY-SAN JACINTO RUN-OF-RIVER	CHAMBERS	TRINITY-SAN JACINTO	FRESH	0	0	0	0	0	0
TRINITY-SAN JACINTO RUN-OF-RIVER	HARRIS	TRINITY-SAN JACINTO	FRESH	1	1	1	1	1	1
TRINITY-SAN JACINTO RUN-OF-RIVER	LIBERTY	TRINITY-SAN JACINTO	FRESH	0	0	0	0	0	0
<b>SURFACE WATER TOTAL SOURCE WATER BALANCE</b>				<b>194</b>	<b>194</b>	<b>194</b>	<b>194</b>	<b>194</b>	<b>194</b>

<b>REGION H TOTAL SOURCE WATER BALANCE</b>	<b>153,933</b>	<b>149,698</b>	<b>146,766</b>	<b>143,920</b>	<b>143,479</b>	<b>144,711</b>
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\*Salinity field indicates whether the source availability is considered 'fresh' (less than 1,000 mg/L), 'brackish' (1,000 to 10,000 mg/L), 'saline' (10,001 mg/L to 34,999 mg/L), or 'seawater' (35,000 mg/L or greater). Sources can also be labeled as 'fresh/brackish' or 'brackish/saline', if a combination of the salinity types is appropriate.

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**APPENDIX TM-D5  
TWDB DB22 REPORT:  
COMPARISON OF SUPPLIES, DEMANDS, AND NEEDS TO 2016 RWP**

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### Region H Water User Group (WUG) Data Comparison to 2016 Regional Water Plan (RWP)\*

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
<b>AUSTIN COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	2,332	2,054	-11.9%	3,578	2,186	-38.9%
PROJECTED DEMAND TOTAL	2,332	2,054	-11.9%	4,839	4,363	-9.8%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	1,261	2,177	72.6%
<b>AUSTIN COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	6,478	6,007	-7.3%	6,478	6,007	-7.3%
PROJECTED DEMAND TOTAL	6,478	6,007	-7.3%	6,478	6,007	-7.3%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>AUSTIN COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,523	1,108	-27.2%	1,523	1,108	-27.2%
PROJECTED DEMAND TOTAL	1,523	1,108	-27.2%	1,523	1,108	-27.2%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>AUSTIN COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	108	106	-1.9%	117	114	-2.6%
PROJECTED DEMAND TOTAL	108	106	-1.9%	158	114	-27.8%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	41	0	-100.0%
<b>AUSTIN COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	127	127	0.0%	90	90	0.0%
PROJECTED DEMAND TOTAL	127	127	0.0%	90	90	0.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>AUSTIN COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	2,966	3,113	5.0%	4,471	4,904	9.7%
PROJECTED DEMAND TOTAL	2,989	3,113	4.1%	4,706	4,904	4.2%
WATER SUPPLY NEEDS TOTAL	23	0	-100.0%	235	0	-100.0%
<b>BRAZORIA COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	13,652	13,499	-1.1%	13,126	13,242	0.9%
PROJECTED DEMAND TOTAL	16,734	15,250	-8.9%	40,306	42,688	5.9%
WATER SUPPLY NEEDS TOTAL	4,825	1,751	-63.7%	27,180	29,446	8.3%
<b>BRAZORIA COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	37,951	31,318	-17.5%	33,861	29,134	-14.0%
PROJECTED DEMAND TOTAL	109,803	90,575	-17.5%	109,803	90,575	-17.5%
WATER SUPPLY NEEDS TOTAL	71,852	59,257	-17.5%	75,942	61,441	-19.1%
<b>BRAZORIA COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,411	1,321	-6.4%	992	1,075	8.4%
PROJECTED DEMAND TOTAL	1,650	1,495	-9.4%	1,650	1,495	-9.4%
WATER SUPPLY NEEDS TOTAL	239	174	-27.2%	658	420	-36.2%
<b>BRAZORIA COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	197,920	223,251	12.8%	209,132	233,785	11.8%
PROJECTED DEMAND TOTAL	247,938	198,410	-20.0%	346,081	232,153	-32.9%
WATER SUPPLY NEEDS TOTAL	63,890	22,876	-64.2%	146,453	29,834	-79.6%
<b>BRAZORIA COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	234	862	268.4%	164	703	328.7%
PROJECTED DEMAND TOTAL	968	968	0.0%	2,126	2,126	0.0%

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**Region H Water User Group (WUG) Data Comparison to 2016 Regional Water Plan (RWP)\***

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
WATER SUPPLY NEEDS TOTAL	734	106	-85.6%	1,962	1,423	-27.5%
<b>BRAZORIA COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	43,104	44,435	3.1%	47,628	46,950	-1.4%
PROJECTED DEMAND TOTAL	37,776	40,570	7.4%	52,735	51,856	-1.7%
WATER SUPPLY NEEDS TOTAL	48	1,500	3025.0%	6,039	6,512	7.8%
<b>CHAMBERS COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	2,653	2,532	-4.6%	4,110	3,877	-5.7%
PROJECTED DEMAND TOTAL	1,422	1,561	9.8%	2,879	3,133	8.8%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>CHAMBERS COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	139,629	138,306	-0.9%	139,609	138,306	-0.9%
PROJECTED DEMAND TOTAL	84,266	128,320	52.3%	84,266	128,320	52.3%
WATER SUPPLY NEEDS TOTAL	3,760	12,572	234.4%	3,780	12,572	232.6%
<b>CHAMBERS COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	554	497	-10.3%	468	497	6.2%
PROJECTED DEMAND TOTAL	554	497	-10.3%	554	497	-10.3%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	86	0	-100.0%
<b>CHAMBERS COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	33,064	47,614	44.0%	33,064	47,614	44.0%
PROJECTED DEMAND TOTAL	11,043	20,182	82.8%	15,681	23,519	50.0%
WATER SUPPLY NEEDS TOTAL	0	2,753	100.0%	835	3,452	313.4%
<b>CHAMBERS COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	5,509	5,621	2.0%	5,509	5,621	2.0%
PROJECTED DEMAND TOTAL	5,621	5,621	0.0%	5,621	5,621	0.0%
WATER SUPPLY NEEDS TOTAL	112	0	-100.0%	112	0	-100.0%
<b>CHAMBERS COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	8,152	6,373	-21.8%	12,093	8,098	-33.0%
PROJECTED DEMAND TOTAL	5,891	5,959	1.2%	12,566	12,930	2.9%
WATER SUPPLY NEEDS TOTAL	40	410	925.0%	2,819	5,662	100.9%
<b>CHAMBERS COUNTY   STEAM ELECTRIC POWER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	31,120	1,240	-96.0%	31,120	1,240	-96.0%
PROJECTED DEMAND TOTAL	3,536	8,706	146.2%	7,573	8,706	15.0%
WATER SUPPLY NEEDS TOTAL	0	7,466	100.0%	0	7,466	100.0%
<b>FORT BEND COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	17,958	13,905	-22.6%	25,786	38,054	47.6%
PROJECTED DEMAND TOTAL	25,842	15,014	-41.9%	77,413	67,164	-13.2%
WATER SUPPLY NEEDS TOTAL	7,884	2,877	-63.5%	51,627	29,110	-43.6%
<b>FORT BEND COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	34,503	28,977	-16.0%	29,395	31,053	5.6%
PROJECTED DEMAND TOTAL	46,800	30,600	-34.6%	46,800	30,600	-34.6%
WATER SUPPLY NEEDS TOTAL	12,297	1,623	-86.8%	17,405	0	-100.0%
<b>FORT BEND COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	716	741	3.5%	552	832	50.7%
PROJECTED DEMAND TOTAL	1,052	832	-20.9%	1,052	832	-20.9%

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**Region H Water User Group (WUG) Data Comparison to 2016 Regional Water Plan (RWP)\***

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
WATER SUPPLY NEEDS TOTAL	336	91	-72.9%	500	0	-100.0%
<b>FORT BEND COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	6,266	6,481	3.4%	3,783	5,478	44.8%
PROJECTED DEMAND TOTAL	8,971	5,403	-39.8%	8,739	5,941	-32.0%
WATER SUPPLY NEEDS TOTAL	2,705	78	-97.1%	4,956	744	-85.0%
<b>FORT BEND COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	511	525	2.7%	387	395	2.1%
PROJECTED DEMAND TOTAL	72	72	0.0%	19	19	0.0%
WATER SUPPLY NEEDS TOTAL	13	7	-46.2%	5	2	-60.0%
<b>FORT BEND COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	133,457	194,218	45.5%	120,779	199,280	65.0%
PROJECTED DEMAND TOTAL	142,568	157,857	10.7%	239,860	256,969	7.1%
WATER SUPPLY NEEDS TOTAL	19,456	6,876	-64.7%	123,681	71,257	-42.4%
<b>FORT BEND COUNTY   STEAM ELECTRIC POWER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	129,631	129,631	0.0%	130,621	130,621	0.0%
PROJECTED DEMAND TOTAL	67,762	62,017	-8.5%	156,964	62,017	-60.5%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	26,343	0	-100.0%
<b>GALVESTON COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	519	130	-75.0%	568	85	-85.0%
PROJECTED DEMAND TOTAL	2,559	1,172	-54.2%	3,490	724	-79.3%
WATER SUPPLY NEEDS TOTAL	2,040	1,042	-48.9%	2,922	639	-78.1%
<b>GALVESTON COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	246	250	1.6%	246	250	1.6%
PROJECTED DEMAND TOTAL	6,300	5,105	-19.0%	6,300	5,105	-19.0%
WATER SUPPLY NEEDS TOTAL	6,054	4,855	-19.8%	6,054	4,855	-19.8%
<b>GALVESTON COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	22	26	18.2%	20	26	30.0%
PROJECTED DEMAND TOTAL	254	263	3.5%	254	263	3.5%
WATER SUPPLY NEEDS TOTAL	232	237	2.2%	234	237	1.3%
<b>GALVESTON COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	56,205	60,569	7.8%	57,921	62,313	7.6%
PROJECTED DEMAND TOTAL	56,394	55,104	-2.3%	62,263	64,333	3.3%
WATER SUPPLY NEEDS TOTAL	189	0	-100.0%	4,342	2,020	-53.5%
<b>GALVESTON COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	33	38	15.2%	41	55	34.1%
PROJECTED DEMAND TOTAL	381	381	0.0%	555	555	0.0%
WATER SUPPLY NEEDS TOTAL	348	343	-1.4%	514	500	-2.7%
<b>GALVESTON COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	81,424	111,992	37.5%	82,644	113,700	37.6%
PROJECTED DEMAND TOTAL	54,625	55,324	1.3%	69,764	71,532	2.5%
WATER SUPPLY NEEDS TOTAL	1,811	991	-45.3%	2,688	2,412	-10.3%
<b>HARRIS COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	71,297	14,795	-79.2%	68,804	10,943	-84.1%
PROJECTED DEMAND TOTAL	34,106	16,532	-51.5%	50,683	30,064	-40.7%

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**Region H Water User Group (WUG) Data Comparison to 2016 Regional Water Plan (RWP)\***

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
WATER SUPPLY NEEDS TOTAL	2,016	1,737	-13.8%	3,720	19,121	414.0%
<b>HARRIS COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	9,658	14,526	50.4%	11,133	14,065	26.3%
PROJECTED DEMAND TOTAL	7,240	9,440	30.4%	7,240	9,440	30.4%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>HARRIS COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	619	873	41.0%	269	253	-5.9%
PROJECTED DEMAND TOTAL	1,667	1,403	-15.8%	1,667	1,403	-15.8%
WATER SUPPLY NEEDS TOTAL	1,048	530	-49.4%	1,398	1,150	-17.7%
<b>HARRIS COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	410,016	441,223	7.6%	417,762	440,002	5.3%
PROJECTED DEMAND TOTAL	424,761	311,627	-26.6%	470,956	364,350	-22.6%
WATER SUPPLY NEEDS TOTAL	20,499	6,754	-67.1%	53,194	23,930	-55.0%
<b>HARRIS COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	196	310	58.2%	250	281	12.4%
PROJECTED DEMAND TOTAL	3,273	3,273	0.0%	3,110	3,110	0.0%
WATER SUPPLY NEEDS TOTAL	3,077	2,963	-3.7%	2,860	2,829	-1.1%
<b>HARRIS COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	742,096	904,054	21.8%	683,477	740,219	8.3%
PROJECTED DEMAND TOTAL	785,616	801,269	2.0%	999,279	1,018,603	1.9%
WATER SUPPLY NEEDS TOTAL	87,294	12,445	-85.7%	354,881	330,424	-6.9%
<b>HARRIS COUNTY   STEAM ELECTRIC POWER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	22,087	22,724	2.9%	25,020	22,583	-9.7%
PROJECTED DEMAND TOTAL	23,556	28,993	23.1%	54,106	28,993	-46.4%
WATER SUPPLY NEEDS TOTAL	1,469	6,269	326.8%	29,086	6,410	-78.0%
<b>LEON COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	757	256	-66.2%	1,019	167	-83.6%
PROJECTED DEMAND TOTAL	681	256	-62.4%	943	167	-82.3%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>LEON COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	284	492	73.2%	284	492	73.2%
PROJECTED DEMAND TOTAL	284	492	73.2%	284	492	73.2%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>LEON COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,728	2,904	68.1%	1,728	2,904	68.1%
PROJECTED DEMAND TOTAL	1,728	2,904	68.1%	1,728	2,904	68.1%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>LEON COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	834	904	8.4%	861	926	7.5%
PROJECTED DEMAND TOTAL	834	846	1.4%	1,415	1,069	-24.5%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	554	143	-74.2%
<b>LEON COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	2,402	2,402	0.0%	634	634	0.0%
PROJECTED DEMAND TOTAL	2,402	2,402	0.0%	634	634	0.0%

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**Region H Water User Group (WUG) Data Comparison to 2016 Regional Water Plan (RWP)\***

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>LEON COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,484	2,162	45.7%	1,803	2,941	63.1%
PROJECTED DEMAND TOTAL	1,484	2,162	45.7%	1,803	2,941	63.1%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>LIBERTY COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	4,437	4,661	5.0%	3,948	5,886	49.1%
PROJECTED DEMAND TOTAL	4,437	4,661	5.0%	4,608	5,886	27.7%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	660	0	-100.0%
<b>LIBERTY COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	55,156	54,483	-1.2%	55,156	54,483	-1.2%
PROJECTED DEMAND TOTAL	61,885	43,200	-30.2%	61,885	43,200	-30.2%
WATER SUPPLY NEEDS TOTAL	14,158	9,344	-34.0%	14,158	9,344	-34.0%
<b>LIBERTY COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	454	454	0.0%	454	454	0.0%
PROJECTED DEMAND TOTAL	873	992	13.6%	873	992	13.6%
WATER SUPPLY NEEDS TOTAL	419	538	28.4%	419	538	28.4%
<b>LIBERTY COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	366	245	-33.1%	366	289	-21.0%
PROJECTED DEMAND TOTAL	440	245	-44.3%	756	289	-61.8%
WATER SUPPLY NEEDS TOTAL	74	0	-100.0%	390	0	-100.0%
<b>LIBERTY COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	252	437	73.4%	252	437	73.4%
PROJECTED DEMAND TOTAL	437	437	0.0%	539	539	0.0%
WATER SUPPLY NEEDS TOTAL	185	0	-100.0%	287	102	-64.5%
<b>LIBERTY COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	7,563	7,900	4.5%	13,246	13,359	0.9%
PROJECTED DEMAND TOTAL	7,466	7,817	4.7%	13,083	13,388	2.3%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	116	100.0%
<b>MADISON COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,808	1,308	-27.7%	2,293	1,598	-30.3%
PROJECTED DEMAND TOTAL	1,808	1,310	-27.5%	2,307	1,672	-27.5%
WATER SUPPLY NEEDS TOTAL	0	2	100.0%	14	74	428.6%
<b>MADISON COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	185	291	57.3%	185	291	57.3%
PROJECTED DEMAND TOTAL	16	122	662.5%	16	122	662.5%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>MADISON COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,024	1,406	37.3%	1,024	1,406	37.3%
PROJECTED DEMAND TOTAL	1,024	1,406	37.3%	1,024	1,406	37.3%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>MADISON COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	226	0	-100.0%	226	0	-100.0%
PROJECTED DEMAND TOTAL	226	0	-100.0%	337	0	-100.0%

\*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 2016 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 Needs totals.

**Region H Water User Group (WUG) Data Comparison to 2016 Regional Water Plan (RWP)\***

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	111	0	-100.0%
<b>MADISON COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	597	597	0.0%	194	194	0.0%
PROJECTED DEMAND TOTAL	597	597	0.0%	194	194	0.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>MADISON COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	884	1,274	44.1%	1,124	1,540	37.0%
PROJECTED DEMAND TOTAL	884	1,274	44.1%	1,124	1,620	44.1%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	80	100.0%
<b>MADISON COUNTY   STEAM ELECTRIC POWER WUG TYPE</b>						
PROJECTED DEMAND TOTAL	238	0	-100.0%	546	0	-100.0%
WATER SUPPLY NEEDS TOTAL	238	0	-100.0%	546	0	-100.0%
<b>MONTGOMERY COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	24,065	14,571	-39.5%	24,065	14,705	-38.9%
PROJECTED DEMAND TOTAL	35,816	22,319	-37.7%	153,649	128,816	-16.2%
WATER SUPPLY NEEDS TOTAL	11,751	7,748	-34.1%	129,584	114,111	-11.9%
<b>MONTGOMERY COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,649	4,988	202.5%	1,649	5,026	204.8%
PROJECTED DEMAND TOTAL	737	5,642	665.5%	737	5,642	665.5%
WATER SUPPLY NEEDS TOTAL	0	654	100.0%	0	616	100.0%
<b>MONTGOMERY COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	398	390	-2.0%	398	394	-1.0%
PROJECTED DEMAND TOTAL	521	537	3.1%	521	537	3.1%
WATER SUPPLY NEEDS TOTAL	123	147	19.5%	123	143	16.3%
<b>MONTGOMERY COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,408	1,339	-4.9%	1,408	1,352	-4.0%
PROJECTED DEMAND TOTAL	2,135	2,135	0.0%	3,372	2,413	-28.4%
WATER SUPPLY NEEDS TOTAL	727	796	9.5%	1,964	1,061	-46.0%
<b>MONTGOMERY COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,110	1,056	-4.9%	1,110	534	-51.9%
PROJECTED DEMAND TOTAL	1,453	1,453	0.0%	728	728	0.0%
WATER SUPPLY NEEDS TOTAL	343	397	15.7%	0	194	100.0%
<b>MONTGOMERY COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	59,977	75,680	26.2%	62,441	75,849	21.5%
PROJECTED DEMAND TOTAL	61,223	78,705	28.6%	113,173	143,202	26.5%
WATER SUPPLY NEEDS TOTAL	4,638	7,421	60.0%	51,322	69,110	34.7%
<b>MONTGOMERY COUNTY   STEAM ELECTRIC POWER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	14,186	11,194	-21.1%	14,186	11,225	-20.9%
PROJECTED DEMAND TOTAL	8,537	4,845	-43.2%	19,611	4,845	-75.3%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	5,425	0	-100.0%
<b>POLK COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,972	1,552	-21.3%	2,411	1,606	-33.4%
PROJECTED DEMAND TOTAL	1,942	1,540	-20.7%	2,381	1,594	-33.1%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%

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**Region H Water User Group (WUG) Data Comparison to 2016 Regional Water Plan (RWP)\***

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
<b>POLK COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	0	332	100.0%	0	332	100.0%
PROJECTED DEMAND TOTAL	0	332	100.0%	0	332	100.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>POLK COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	144	181	25.7%	144	181	25.7%
PROJECTED DEMAND TOTAL	144	181	25.7%	144	181	25.7%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>POLK COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	0	5	100.0%	0	5	100.0%
PROJECTED DEMAND TOTAL	0	5	100.0%	0	5	100.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>POLK COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	124	124	0.0%	41	32	-22.0%
PROJECTED DEMAND TOTAL	124	124	0.0%	9	9	0.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>POLK COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	7,510	8,166	8.7%	8,146	9,142	12.2%
PROJECTED DEMAND TOTAL	3,939	4,613	17.1%	5,560	6,555	17.9%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>SAN JACINTO COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	2,411	1,454	-39.7%	3,096	1,871	-39.6%
PROJECTED DEMAND TOTAL	2,075	1,454	-29.9%	2,760	1,871	-32.2%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>SAN JACINTO COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	315	268	-14.9%	315	268	-14.9%
PROJECTED DEMAND TOTAL	259	148	-42.9%	259	148	-42.9%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>SAN JACINTO COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	386	413	7.0%	386	413	7.0%
PROJECTED DEMAND TOTAL	386	413	7.0%	386	413	7.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>SAN JACINTO COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	11	9	-18.2%	16	10	-37.5%
PROJECTED DEMAND TOTAL	11	9	-18.2%	16	10	-37.5%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>SAN JACINTO COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	8	8	0.0%	8	9	12.5%
PROJECTED DEMAND TOTAL	8	8	0.0%	9	9	0.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	1	0	-100.0%
<b>SAN JACINTO COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,490	2,729	83.2%	1,820	3,389	86.2%
PROJECTED DEMAND TOTAL	1,068	1,948	82.4%	1,408	2,608	85.2%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%

\*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 2016 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 Needs totals.

**Region H Water User Group (WUG) Data Comparison to 2016 Regional Water Plan (RWP)\***

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
<b>TRINITY COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	405	56	-86.2%	404	46	-88.6%
PROJECTED DEMAND TOTAL	214	36	-83.2%	232	26	-88.8%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>TRINITY COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	0	309	100.0%	0	309	100.0%
PROJECTED DEMAND TOTAL	0	275	100.0%	0	275	100.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>TRINITY COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	249	201	-19.3%	249	201	-19.3%
PROJECTED DEMAND TOTAL	249	201	-19.3%	249	201	-19.3%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>TRINITY COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	0	5	100.0%	0	5	100.0%
PROJECTED DEMAND TOTAL	5	5	0.0%	5	5	0.0%
WATER SUPPLY NEEDS TOTAL	5	0	-100.0%	5	0	-100.0%
<b>TRINITY COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	2,182	2,974	36.3%	2,165	3,038	40.3%
PROJECTED DEMAND TOTAL	1,045	1,379	32.0%	1,131	1,493	32.0%
WATER SUPPLY NEEDS TOTAL	52	0	-100.0%	110	0	-100.0%
<b>WALKER COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	6,232	5,496	-11.8%	6,164	5,496	-10.8%
PROJECTED DEMAND TOTAL	3,232	2,897	-10.4%	3,274	2,907	-11.2%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>WALKER COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	675	560	-17.0%	675	560	-17.0%
PROJECTED DEMAND TOTAL	675	560	-17.0%	675	560	-17.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>WALKER COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	652	753	15.5%	652	753	15.5%
PROJECTED DEMAND TOTAL	652	753	15.5%	652	753	15.5%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>WALKER COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	649	586	-9.7%	649	640	-1.4%
PROJECTED DEMAND TOTAL	312	249	-20.2%	312	303	-2.9%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>WALKER COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	11	11	0.0%	11	11	0.0%
PROJECTED DEMAND TOTAL	11	11	0.0%	11	11	0.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>WALKER COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	21,173	24,254	14.6%	21,453	24,705	15.2%
PROJECTED DEMAND TOTAL	9,611	9,803	2.0%	10,722	10,924	1.9%
WATER SUPPLY NEEDS TOTAL	22	0	-100.0%	39	0	-100.0%

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**Region H Water User Group (WUG) Data Comparison to 2016 Regional Water Plan (RWP)\***

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
<b>WALLER COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	3,045	2,164	-28.9%	4,978	2,164	-56.5%
PROJECTED DEMAND TOTAL	3,045	2,799	-8.1%	6,534	5,947	-9.0%
WATER SUPPLY NEEDS TOTAL	0	635	100.0%	1,556	3,783	143.1%
<b>WALLER COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	21,096	22,044	4.5%	21,096	22,044	4.5%
PROJECTED DEMAND TOTAL	21,096	22,044	4.5%	21,096	22,044	4.5%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>WALLER COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,069	1,179	10.3%	1,069	1,179	10.3%
PROJECTED DEMAND TOTAL	1,069	1,179	10.3%	1,069	1,179	10.3%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>WALLER COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	134	150	11.9%	144	152	5.6%
PROJECTED DEMAND TOTAL	134	134	0.0%	208	136	-34.6%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	64	0	-100.0%
<b>WALLER COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	7	7	0.0%	7	7	0.0%
PROJECTED DEMAND TOTAL	7	7	0.0%	7	7	0.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>WALLER COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	4,838	4,587	-5.2%	9,566	9,686	1.3%
PROJECTED DEMAND TOTAL	4,846	4,587	-5.3%	10,185	10,373	1.8%
WATER SUPPLY NEEDS TOTAL	8	0	-100.0%	619	687	11.0%
<b>REGION H</b>						
EXISTING WUG SUPPLY TOTAL	2,505,969	2,747,343	9.6%	2,482,310	2,640,379	6.4%
PROJECTED DEMAND TOTAL	2,488,883	2,336,763	-6.1%	3,415,333	3,076,799	-9.9%
WATER SUPPLY NEEDS TOTAL	347,034	186,265	-46.3%	1,161,764	856,147	-26.3%

\*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 2016 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 Needs totals.

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**APPENDIX TM-D6**  
**SUMMARY OF WATER NEEDS ASSOCIATED WITH MAJOR WATER PROVIDERS**

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### Summary of Water Needs<sup>1</sup> Associated with Major Water Providers

Major Water Provider	Total Needs <sup>2</sup> (ac-ft/yr)					
	2020	2030	2040	2050	2060	2070
BRAZOS RIVER AUTHORITY	46,546	68,750	74,089	83,357	98,316	116,908
BRAZOSPORT WATER AUTHORITY	23,214	30,958	31,094	31,185	31,323	31,483
CHAMBERS-LIBERTY COUNTIES NAVIGATION DISTRICT	12,982	13,325	13,691	14,103	14,561	15,046
CLEAR LAKE CITY WATER AUTHORITY	6,754	20,863	22,783	23,884	23,887	23,930
CONROE	8,033	22,484	40,931	63,733	92,376	127,197
DOW CHEMICAL USA	22,876	30,049	29,988	29,943	29,891	29,834
GALVESTON	2,793	9,434	13,940	19,240	25,314	32,105
GULF COAST WATER AUTHORITY	30,738	51,940	57,410	66,907	81,768	100,046
HOUSTON	72,832	231,481	379,310	440,090	511,172	590,824
HUNTSVILLE	192	214	330	451	448	446
LEAGUE CITY	0	0	0	0	0	0
LOWER NECHES VALLEY AUTHORITY	22,326	22,669	23,035	23,447	23,905	24,390
NORTH FORT BEND WATER AUTHORITY	3,607	34,180	44,721	49,826	52,530	54,240
NORTH HARRIS COUNTY REGIONAL WATER AUTHORITY	8,278	50,445	82,029	87,057	93,356	100,072
NRG	15,358	14,854	14,444	14,023	13,861	13,876
PASADENA	6,754	20,863	22,783	23,884	23,891	23,965
PEARLAND	0	0	0	0	0	790
SAN JACINTO RIVER AUTHORITY	16,896	51,223	74,579	100,825	132,785	171,088
SUGAR LAND	2,955	8,881	9,848	13,636	20,758	29,854
THE WOODLANDS	446	2,913	5,247	6,906	9,348	12,286
TRINITY RIVER AUTHORITY	73,024	231,695	379,640	440,541	511,620	591,270
WEST HARRIS COUNTY REGIONAL WATER AUTHORITY	0	17,325	34,695	38,092	39,390	40,661

1. For this table, values indicate a water need; no surpluses are shown. Values include needs of each Major Water Provider (MWP), needs of any customers of that MWP, and needs of any subsequent buyers that may purchase water originating with that MWP.

2. Some entities which purchase water from multiple sellers have needs reflected under multiple Major Water Providers. Thus, needs shown here are not mutually exclusive and are non-additive.

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**APPENDIX TM-E**

**Documentation of Water Management Strategy Identification and  
Selection**

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**TO:** Lann Bookout (TWDB)  
**CC:** Region H Water Planning Group, General Distribution  
**FROM:** Philip I. Taucer, P.E.  
**SUBJECT:** Potential Water Management Strategies (WMS)  
Identification and Selection  
**DATE:** December 6, 2017

## **Memo Purpose**

Pursuant to TAC 357.12(b), the Region H Water Planning Group (RHWP) is required to document its process for identifying and selecting Water Management Strategies (WMS) for development of the 2021 Regional Water Plan (RWP). This process shall be presented to the public for comment at a public meeting. This document proposes a WMS selection methodology for consideration and adoption by the RHWP.

The primary goal of the WMS selection methodology is to pair WMS with a water shortage (in the terminology of the RWP process, a need) of a particular water user group (WUG). Subsequent portions of this memorandum detail this pairing process.

Potential WMS will be 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) or WUGs. A detailed technical memorandum will be prepared for each of the management strategies selected.

## **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 MWPs based on current usage and contracts. By matching the supplies and the demands, projected surpluses and shortages are determined. MWP supplies and contracts will be reviewed to determine their respective surplus or shortage during the planning period.

## **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 MWPs, and the reduction of demand through water conservation.

In evaluating the general WMS, the RHWP would make three assumptions. First, water user groups 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 regulation set forth by subsidence or

December 6, 2017

Page 2 of 5

groundwater conservation districts, or other entities that have regulatory power over the consumption of groundwater.

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

Finally, the RHWPG will assume that every municipal WUG with a projected shortage would utilize conservation before seeking out or increasing a MWP contract. This is pursuant to the language of 357.34(g)(2).

### **Identification of Potential WMS to Add New Water Supplies**

Potential WMS will include but are not limited to the strategies considered in the 2016 RWP. These strategies, plus additional strategies formulated since the completion of the 2016 RWP are included as *Attachment 1* to this memorandum.

### **WMS Selection Process**

For the 2021 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 Need-Specific Criteria phase) focuses on evaluation of the WMS for a specific need. It should be noted that a single WUG may have multiple needs which require more than one WMS. During this phase, questions such as the following must be addressed for a given WMS to be considered acceptable to apply to meet a 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 timing of supply availability from the WMS applicable to the need?
- 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?

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 criteria presented in *Table 1*. 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.
- Local Preference – Evaluates the local preference and likelihood for public support or opposition created by the strategy.

December 6, 2017

Page 3 of 5

- 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 if a sponsor is identifiable and committed to implementing the strategy.
- Vulnerability – Evaluates the risk to the strategy’s ability to deliver water from natural or man-made disasters such as hurricanes, climate change, or terrorism.
- Other WMS/Grouping Potential – Evaluates the likelihood of the strategy to impact other WMS and the potential for the strategy to be grouped with other WMS.

After the dual phase description, the emphasis of the methodology shifts to the identification and selection of WMS to meet the particular need of interest. To accomplish this process, the evaluation matrix is filtered for each WUG need, such that all WMS that meet the Need-Specific Criteria are available for selection. WMS will be evaluated only where a need exists or is anticipated to exist.

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 needs.

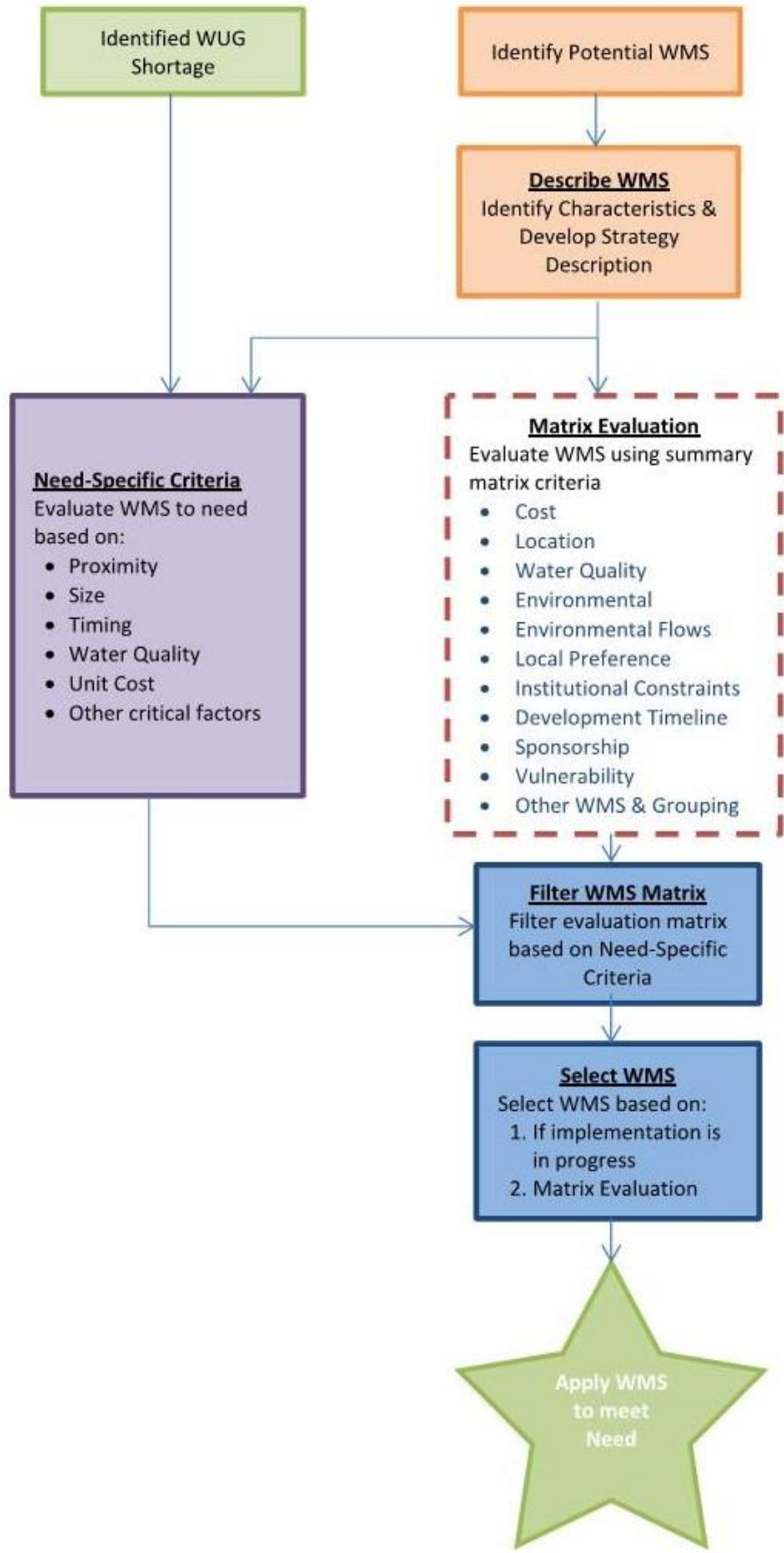


Figure 1. WMS Selection Process Flowchart

**Table 1. Evaluation Criteria**

Category	Rating Criteria				
	1	2	3	4	5
Cost	>\$1000/ac-ft	\$750 to \$1000/ac-ft	\$500 to \$750/ac-ft	\$250 to \$500/ac-ft	<\$250/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.
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.



**Region H**  
**DRAFT Potentially Feasible WMS and Key Projects**

**Conservation**

Industrial Conservation  
Irrigation Conservation  
Municipal Conservation

**Contractual Transfer**

TRA to COH Transfer

**Conveyance**

CHCRWA Transmission and Distribution Expansion  
COH, NHCRWA, and CHCRWA Shared Transmission  
East Texas Transfer  
GCWA Treated Water from LNVA<sup>1</sup>  
Jersey Village Second Connection<sup>2</sup>  
Lake Livingston to SJRA Transfer  
Luce Bayou Interbasin Transfer  
NFBWA Phase 2 Distribution Segments  
NHCRWA Distribution Expansion  
NHCRWA Transmission Line  
Old Galveston Road Transmission Improvements  
WHCRWA Distribution Expansion  
WHCRWA/NFBWA Transmission Line

**Groundwater Development**

Aquifer Storage and Recovery<sup>1</sup>  
Brackish Groundwater Development  
BWA Brackish Groundwater  
Conroe Brackish Groundwater Desalination  
Expanded Use of Groundwater  
Forestar Houston County Project<sup>1</sup>  
Forestar Liberty County Project<sup>1</sup>  
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 GRP  
Fort Bend County MUD 25 GRP  
Fort Bend County WC&ID No. 2 GRP  
NFBWA GRP  
NHCRWA GRP  
Panorama Village and Shenandoah Joint GRP  
Porter SUD Joint GRP  
River Plantation and East Plantation Joint GRP  
SJRA GRP  
WHCRWA GRP

**Region H**  
**DRAFT Potentially Feasible WMS and Key Projects**

**Reuse**

City of Conroe Reuse  
City of Houston Reuse  
City of Pearland Reuse  
GCWA Reclaimed Water from COH  
Grand Lakes Reclaimed Water System  
Montgomery County MUDs #8 and #9 Reuse  
San Jacinto Basin Regional Return Flows  
SJRA Conroe Reuse Project  
Wastewater Reclamation for Industry<sup>1</sup>  
Wastewater Reclamation for Municipal Irrigation  
WHCRWA Reuse<sup>2</sup>

**Surface Water Development**

Allens Creek Reservoir  
BRA System Operation Permit  
Dow Reservoir and Pump Station Expansion  
Freeport Seawater Desalination  
Lake Somerville Augmentation<sup>1</sup>  
Little River Off-Channel Reservoir<sup>1</sup>  
Lone Star Lake<sup>1</sup>

**Treatment**

BWA Treatment Plant Expansion  
City of Houston Treatment Expansion  
CLCND West Chambers System  
Northeast Water Purification Plant Expansion  
Pearland Surface Water Treatment Plant

**Other Infrastructure**

Brazos Saltwater Barrier

Notes:

1. *Considered but not recommended in the Region H 2016 RWP.*
2. *Requested through the 2017 Region H WUG survey.*