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ES. EXECUTIVE SUMMARY

ES.1 INTRODUCTION

Following the guidelines provided by the Texas Water Development Board (TWDB), the Lower Colorado Regional Water Planning Group (LCRWPG) developed this *Initially Prepared 2016 Region K Water Plan* for the Lower Colorado Regional Water Planning Area (LCRWPA) covering the 2020 to 2070 time period. This plan has been submitted to the TWDB for review and integration into a statewide water plan.

The Plan includes a description of the region, population and water demand projections, water supply analyses, water management strategies for ensuring supplies during drought-of-record (DOR) conditions, water conservation and drought management plans, consistency with the state's long-term resource protection goals, policy recommendations related to improving water management and preserving the environment, and public involvement activities. The LCRWPG, representing the twelve (12) TWDB-required interest groups and one (1) additional regional interest group, was responsible for the development of the Initially Prepared 2016 Region K Water Plan

Plan data developed for the 2016 Region K Water Plan is presented in DB17 Reports provided by the TWDB, and are included in **Appendix ES.A** through **ES.G**.

SCOPE OF WORK

The scope of work was prepared through a public process and is reflected in the tasks below.

ES.1.1 Task 1 – Planning Area Description

Task 1 was intended to collect data and to provide a physical, social, and economic description of the Lower Colorado Regional Water Planning Area. The geographical boundaries of the LCRWPA, designated as Region K, are shown in **Figure 1.2** in **Chapter 1**. The Lower Colorado Region consists of all or parts of 14 counties roughly consistent with the Lower Colorado River Basin.

This area relies primarily on the Colorado River; the Gulf Coast, Carrizo-Wilcox, Edwards, Trinity, and Edwards-Trinity (Plateau) aquifers; and several minor aquifers for its water supply. The majority of the region lies within the Colorado River Basin, but small portions of the Brazos, Guadalupe, and Lavaca River Basins, and the Brazos-Colorado and Colorado-Lavaca Coastal Basins also lie within the region.

The system of Highland Lakes administered by the Lower Colorado River Authority (LCRA) is a major hydrologic feature of the region that provides flood control, power generation, water supply, and recreational benefits.

ES.1.2 Task 2A & 2B – Non-Population Related Water Demand Projections and Population and Population-Related Water Demand Projections

Task 2 was intended to prepare population and water demand projections for Region K. **Chapter 2** summarizes this data and discusses the procedures used to obtain revised population and demand projections.

The Lower Colorado Region has experienced rapid population expansion in recent decades and this trend is expected to continue over the planning horizon. Total regional population projections estimate a near-doubling of population to more than 3.2 million people by 2070. The vast majority of the population growth is expected in the geographic “middle” counties (i.e., Bastrop, Blanco, Burnet, Fayette, Hays, Travis, and Williamson counties).

Total water demand for the Lower Colorado Region is projected to increase 24 percent to approximately 1.45 million acre-feet per year by 2070 as shown in **Table ES.1**. While demands such as municipal, manufacturing, and steam-electric generation are anticipated to increase due to population growth and economic activity, other water demand categories are projected to decline. The distribution of water demands in the region for all decades is shown in **Table ES.1**, as projected for the years 2020 through 2070.

Table ES.1 Water Demand Projections for the Lower Colorado Region (acre-feet/year)

Regional Projections	2020	2030	2040	2050	2060	2070
Municipal Water Demand (ac-ft/yr)	306,560	359,194	411,761	458,588	505,009	558,949
Manufacturing Water Demand (ac-ft/yr)	56,019	70,050	86,259	96,283	106,487	117,851
Irrigation Water Demand (ac-ft/yr)	607,433	590,740	574,530	558,789	543,507	528,715
Steam-Electric Water Demand (ac-ft/yr)	178,453	185,235	187,410	194,802	200,413	207,319
Mining Water Demand (ac-ft/yr)	20,848	26,104	27,991	29,757	31,893	34,961
Livestock Demand (ac-ft/yr)	14,012	14,012	14,012	14,012	14,012	14,012
TOTAL WATER DEMAND	1,183,325	1,245,335	1,301,963	1,352,231	1,401,321	1,461,807

ES.1.3 Task 3 – Water Supply Analyses

The availability of surface water and groundwater supplies were determined in Task 3.

Water supplies in the LCRWPA are available from eleven (11) aquifer systems and alluvial groundwater and six (6) river and coastal basins.

The Colorado River Basin makes up the single largest source of surface water for the region with large volumes of water available from both run-of-river (ROR) diversion rights and water stored in reservoirs. Surface water supplies for DOR conditions for the Colorado River Basin were determined using a modified version of the Texas Commission on Environmental Quality (TCEQ) WAM (Water Availability Model) Run 3 that was developed during the 2011 planning cycle and has been updated for use in the 2016 planning cycle and is referred to as the Region K Cutoff Model. This conservative model predicts water availability under DOR conditions and assumes maximum surface water diversions with no return flows to streams.

Groundwater supplies were developed from the best information available from Groundwater Management Areas (GMAs), Groundwater Availability Models (GAMs), local information from Groundwater Conservation Districts (GCDs), or information from the 2011 Region K Plan. Early in the 2011-2016 regional water planning cycle, the GMAs in the region adopted their Desired Future Condition (DFC) for their aquifers and the TWDB established the Modeled Available Groundwater (MAG) values

for such aquifers. If a MAG has been established for a particular aquifer, the TWDB requires that the MAG be considered the maximum amount of groundwater available for the regional water planning process. In cases where a MAG is not established for an aquifer, the local GCD or GMA representative was consulted regarding an appropriate availability volume.

The TWDB guidelines for regional water planning process require that a summary of the water sources available to the region be presented. This information is presented graphically in **Figure ES.1** and is summarized in **Table ES.2**. As indicated, under current conditions, a total of approximately 1.3 million ac-ft of water is available annually to the LCRWPA under DOR conditions. Of this amount, approximately 74 percent is from surface water sources and 26 percent is from groundwater sources.

Figure ES.1: Total Water Available to Region K During a Drought of Record

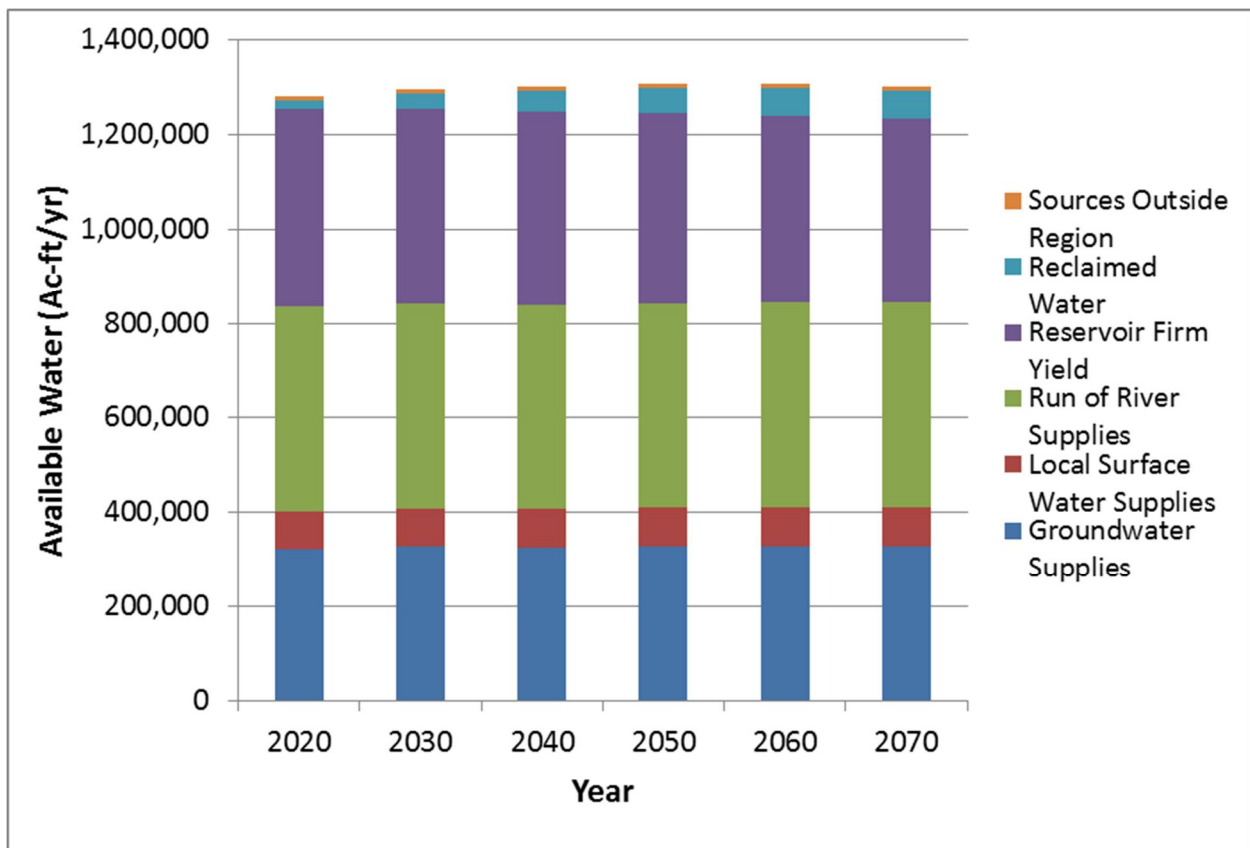


Table ES.2 Total Water Available to the Lower Colorado Regional Planning Area During a Drought of Record (ac-ft/yr)

Water Source	2020	2030	2040	2050	2060	2070
City of Austin - ROR Municipal ¹	201,374	201,374	201,374	201,374	201,387	201,441
City of Austin - ROR Steam Electric ¹	10,938	10,938	10,938	10,938	10,938	10,938
LCRA - Garwood ROR	123,822	123,822	123,822	123,822	123,822	123,822
LCRA - Gulf Coast ROR	13,524	13,524	13,524	13,524	13,524	13,524
LCRA - Lakeside ROR	5,692	5,692	5,692	5,692	5,692	5,692
LCRA - Pierce Ranch ROR	2,912	2,912	2,912	2,912	2,912	2,912
STP Nuclear Operating Co. ROR	44,397	44,397	44,397	44,397	44,397	44,397
San Bernard ROR	597	597	597	597	597	597
Highland Lakes ²	418,812	413,298	407,774	401,744	395,201	389,125
Goldthwaite Reservoir	0	0	0	0	0	0
Llano Reservoir	417	417	417	417	417	417
Blanco Reservoir	596	596	596	596	596	596
Reclaimed Water (Reuse)	18,687	27,687	37,687	41,187	44,687	48,187
Irrigation Local Supply	35,299	35,373	35,451	35,538	35,627	35,791
Livestock Local Supply ³	14,012	14,012	14,012	14,012	14,012	14,012
Other Local Supply	31,126	31,126	31,126	31,126	31,126	31,126
Carrizo-Wilcox Aquifer	20,979	21,666	25,833	29,018	29,498	29,498
Edwards (BFZ) Aquifer	9,452	9,452	9,452	9,452	9,452	9,452
Edwards-Trinity Aquifer (Plateau)	2,514	2,514	2,514	2,514	2,514	2,514
Ellenburger-San Saba Aquifer	27,907	27,907	27,907	27,907	27,907	27,907
Gulf Coast Aquifer	182,662	182,494	182,484	182,475	182,445	182,445
Hickory Aquifer	8,525	8,525	8,525	8,525	8,525	8,525
Marble Falls Aquifer	13,302	13,302	13,302	13,302	13,302	13,302
Queen City Aquifer	1,531	3,243	1,544	1,588	1,592	1,592
Sparta Aquifer	5,505	8,641	5,331	5,302	5,312	5,312
Trinity Aquifer	30,134	30,114	30,101	30,085	30,056	30,056
Yegua-Jackson Aquifer	5,762	5,762	5,762	5,762	5,762	5,762
Other Aquifer	12,823	12,823	12,823	12,823	12,823	12,823
Garwood (Corpus Christi) ROR	35,000	35,000	35,000	35,000	35,000	35,000
Sources Outside the Region ⁴	8,485	8,411	8,333	8,246	8,157	7,993
Region K Totals	1,286,786	1,295,619	1,299,230	1,299,875	1,297,280	1,294,758

Notes: Downstream water availability does not include return flows.

The water availability numbers in this table reflect water that is physically present in the region. This does not necessarily mean that this water is available to WUGs for immediate use as defined in *Table 3.31*.

Groundwater availabilities are discussed in Section 3.2.2.

¹ Refer to *Table 3.3* and *Table 3.27* for a breakdown of what is included in the COA ROR rights.

² Refer to *Table 3.1* for a breakdown of the Highland Lakes.

³ Local Supply Sources are presented in *Tables 3.4, 3.5, 3.6, 3.7, 3.8, and 3.9*.

⁴ Includes Lake Brownwood, Brazos River Authority System, Canyon Lake Reservoir, and several aquifers

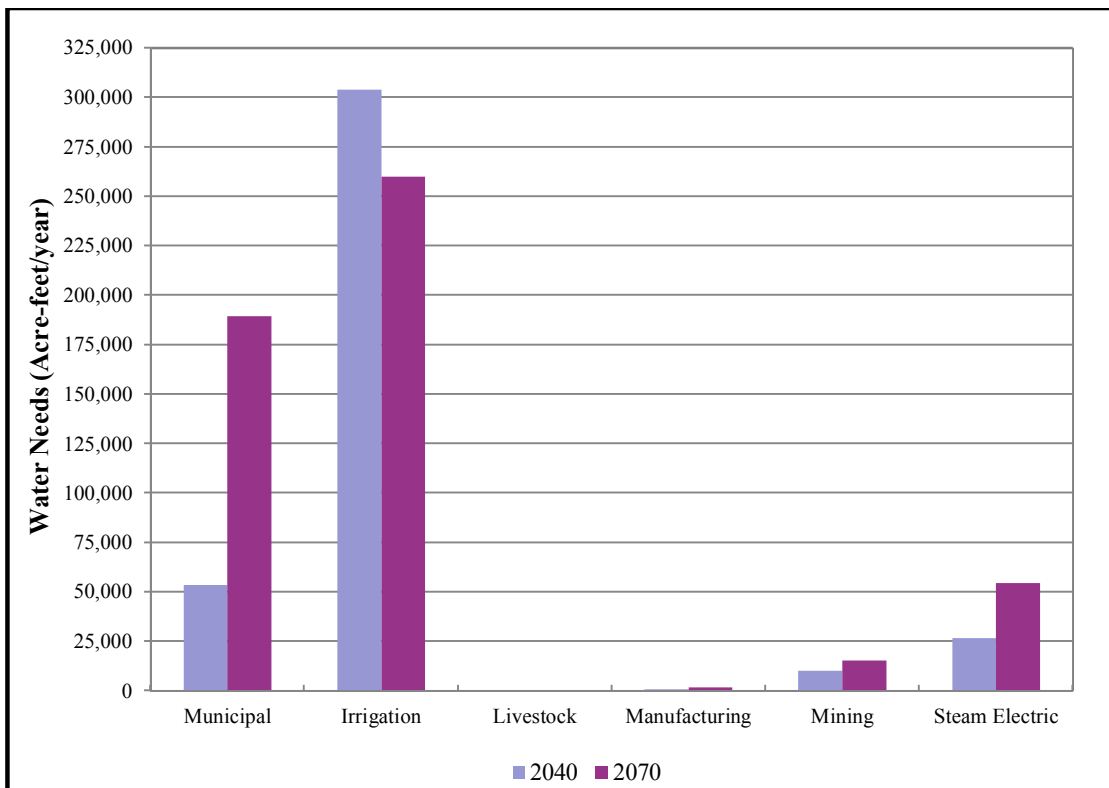
ES.1.4 Task 4 – Identification of Water Needs

Task 4 was to determine the surpluses and shortages resulting from the division of available resources performed for Task 3. **Chapter 4** summarizes the comparison of water demands to the water supplies in two (2) different ways: 1) a comparison of water demands and supplies on a county-by-county basis, and 2) a comparison of the water demands and supplies for the two (2) designated wholesale water providers within Region K.

The comparison demands identified 75 separate WUGs that have projected water supply shortages, or “needs,” by the year 2040, and an additional 15 WUGs with projected water supply shortages before the year 2070. The estimated water need is approximately 397,000 acre-feet per year (ac-ft/yr) in 2040 and 523,000 ac-ft/yr in 2070. This identified shortage is based on conservative water availability estimates, which assume (1) only water that is available during a repeat of the historical drought of record (DOR), (2) that all water rights in the basin are being fully and simultaneously utilized, and (3) excludes both water available from the LCRA on an interruptible basis and water projected to be available as a result of municipal return flows to the Colorado River.

Based upon these assumptions, water needs have been identified in five of the six (6) water use categories. **Figure ES.2** shows the magnitude of the identified needs by water use category for the years 2040 and 2070.

Figure ES.2: Identified Amount of Water Needs in Region K (Acre-feet/year)



ES.1.5 Task 5 – Evaluation and Recommendation of Water Management Strategies and Water Conservation Recommendations

A process for identifying and evaluating the feasibility of strategy implementation was developed in Task 5. Potential strategies were presented in a form so that potential alternatives were identified and evaluated in accordance with local desires and needs. Water management strategies were recommended to provide for the majority of water needs identified as part of the Task 4 effort. Many of the shortages were met by reducing demands using conservation, drought management, and reuse, while many others involved the expansion of existing contracts or creation of new contracts. Other strategies are more extensive and will require the implementation the construction of additional infrastructure. If a project sponsor wishes to be considered for certain types of State funding, the project that the funding is requested for must be included in the Regional and State Water Plan.

Further discussion of recommended and alternative water management strategies is included in **Chapter 5**. In addition, a section was included in **Chapter 5** to discuss recommended conservation strategies. Water conservation plans are required for any entity seeking a TWDB loan, a new or amended surface water right, or current holders of existing surface water diversion permits under certain circumstances.

Recommended Water Management Strategies are described in **Chapter 5** in the following categories:

- Return Flows
- Conservation
- Wholesale Water Provider Management Strategies
- Regional Water Management Strategies
- Municipal Water Management Strategies
- Irrigation Water Management Strategies
- Manufacturing Water Management Strategies
- Mining Water Management Strategies
- Steam Electric Power Water Management Strategies

In addition, alternative water management strategies are identified, and discussion of strategies that were considered, but were ultimately not recommended occurred.

ES.1.6 Task 6 – Impacts of the Regional Water Plan

The purpose of Task 6 was to determine the effects of water management strategies on water resources, agricultural resources, and natural resources. In addition, determination of social and economic impacts resulting from voluntary redistribution of water from rural regions to population centers was discussed. This activity was part of a consensus-based planning effort to include local concerns in the statewide water supply planning process.

For the 2016 Region K Plan, many of the recommended water management strategies that impact the Colorado River and Matagorda Bay utilize water under existing water rights, or utilize water such as wastewater effluent that was already assumed to be used 100 percent under the required surface water availability modeling guidelines. Thus, it is difficult to determine quantifiable impacts of those strategies.

Return flows are likely to show the largest impact to the instream flows and bay and estuary inflows. They provide a consistent source of flow in the river, even when a portion of the return flows are reused. Return flows are a source of flow that is not included in the surface water availability modeling, and so would show a positive impact to the system as a water management strategy.

The recommendation by the LCRWPG of strategies such as conservation, reuse, and drought management will reduce demands, which will help to maintain springflows in the region, especially during times of drought. In addition, recommended strategies such as off-channel reservoirs and aquifer storage and recovery may aid in balancing peak demands for surface water and groundwater, which could also help maintain spring flows in the region.

ES.1.7 Task 7 – Drought Response Information, Activities, and Recommendations

Chapter 7 presents all necessary requirements for drought response, management and contingency plans. Drought Contingency Plans (DCPs) are required of certain water right owners and applicants. These documents have become integral to providing a reliable supply of water throughout the State.

The TCEQ, in accordance with the Texas Administrative Code (TAC), requires all wholesale public water suppliers, retail public supplier, and irrigation districts to prepare and submit DCPs meeting the requirements of 30 TAC Chapter§288(b) and to update these plans at least every five (5) years. A drought management efforts survey was created and distributed to 104 water systems and entities in October 2013, with 49 entities responding. The survey aimed at collecting information on voluntary and mandatory measures used by each water system. As a voluntary measure, nine (9) entities discontinued monthly flushing of water lines, 23 put restrictions on public landscaping irrigation, 24 water systems limited residential landscaping irrigations, and 19 entities implemented commercial irrigations.

The LCRWPG acknowledges that the Wholesale Water Providers in Region K have extensive knowledge regarding surface water sources in the region, and they may play a leadership role developing appropriate drought response actions for themselves and their customers. One area the LCRWPG feels could potentially be improved upon is the coordination and uniformity of Drought Stage levels for all users of a particular source. It has been acknowledged that there can be some confusion when two (2) water users of the same water source are at different Drought Stage levels, even if they are implementing similar drought responses.

Throughout the region, the DCPs for groundwater users are developed specifically to their use and location. Aquifer characteristics can vary across the region and it can be difficult to require the same triggers for all users of a particular groundwater source that covers several counties. The LCRWPG acknowledges that the municipalities and water utilities that rely upon groundwater should have the best knowledge to develop their Drought Contingency Plan triggers and responses. Even so, the LCRWPG encourages ongoing coordination between groundwater users, Groundwater Conservation Districts, and the Groundwater Management Areas to monitor local conditions for necessary modifications to the Drought Contingency Plans.

ES.1.8 Task 8 – Unique Stream Segments, Reservoir Sites, and Legislative Recommendations

Task 8 presents the RWPG's unique stream segments, unique reservoir sites, and legislative, administrative, and regulatory recommendations.

No unique ecological stream segments are recommended by the LCRWPG for this planning cycle.

No new potential reservoir sites are recommended by the LCRWPG for this planning cycle.

Several policy issues have been adopted by the LCRWPG concerning regulatory and legislative issues. These recommendations are listed below and are described in detail in **Chapter 8**.

- Management of Surface Water Resources: Inter-Basin Transfers and Model Linking
- Environmental – Sustainable Growth, Including Impacts of Growth
- Groundwater
- Protection of Agricultural and Rural Water Supplies
- Agricultural Water Conservation
- Municipal/Industrial Conservation
- Reuse (including basin-specific assessment of reuse potential and impacts)
- Brush Control
- Inflows to Highland Lakes
- Coordination of Planning Cycles for Determination of Desired Future Conditions by GCDs and Generation of the Regional Water Plan by RWPGs
- Recommended Improvements to the Regional Planning Process (SB 1 – 75th Legislature)
- Radionuclides in the Hickory and Marble Falls Aquifers

ES.1.9 Task 9 – Water Infrastructure Financing Recommendations

Task 9 includes information on how sponsors of the recommended water management strategies propose to finance projects. In SB 2 of the 77th Texas Legislature, the preparation of an infrastructure financing report was added to the regional planning process. **Chapter 9** of the Initially Prepared Plan provides the introduction to a task that will identify the following:

- The number of political subdivisions with identified needs that will be unable to finance their water infrastructure needs
- The amount of infrastructure costs in the RWPGs that cannot be financed by the local political subdivisions
- Funding options, including state funding, that are proposed by the political subdivisions to finance water infrastructure costs that cannot be financed locally
- Additional roles the RWPG proposes for the state in financing the recommended water supply projects

ES.1.10 Task 10 – Public Participation

The LCRWPG made a commitment to conducting public outreach as a part of their duties as Planning Group members. Major aspects of this effort included:

- Holding 18 open regular meetings of the Planning Group
- Holding a public meeting to receive input by the public
- Serving as speakers at various civic and interest group meetings
- Conducting surveys
- Maintaining a web page

- Forming a Population and Water Demand Committee
- Developing policy statements

All of these efforts made information and updates on the regional water planning process available to thousands of people throughout the entire region. Additional information concerning public involvement can be found in **Chapter 10**.

ES.1.11 Task 11 – Implementation and Comparison to the Previous Regional Water Plan

Chapter 11 presents a discussion and survey of water management strategy projects that were recommended in the 2011 Regional Water Plan and have since been implemented, as well as providing a summary comparison of the 2016 Regional Water Plan to the 2011 Regional Water Plan with respect to population, demands, water availability and supplies, and water management strategies.

FTCHVLCRWPG WATER PLAN

**APPENDIX ES.A
TWDB DB17 REPORT
WUG Population**

WUG POPULATION

REGION K	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
BASTROP COUNTY						
BRAZOS BASIN						
AQUA WSC	551	724	949	1,255	1,667	2,216
LEE COUNTY WSC	342	450	590	780	1,037	1,378
COUNTY-OTHER	128	169	222	293	389	516
BRAZOS BASIN TOTAL POPULATION	1,021	1,343	1,761	2,328	3,093	4,110
COLORADO BASIN						
AQUA WSC	55,253	72,656	95,275	125,920	167,313	222,345
BASTROP	9,653	13,088	17,553	23,603	31,775	42,640
BASTROP COUNTY WCID #2	3,943	5,867	8,368	11,757	16,334	22,420
CREEDMOOR-MAHA WSC	208	262	333	429	559	732
ELGIN	9,247	12,099	15,806	20,828	27,612	36,631
LEE COUNTY WSC	465	611	801	1,059	1,407	1,870
POLONIA WSC	232	296	379	491	643	845
SMITHVILLE	4,913	6,461	8,473	11,198	14,879	19,774
COUNTY-OTHER	9,974	12,180	15,049	18,936	24,183	31,159
COLORADO BASIN TOTAL POPULATION	93,888	123,520	162,037	214,221	284,705	378,416
GUADALUPE BASIN						
AQUA WSC	390	512	672	888	1,180	1,568
COUNTY-OTHER	188	184	178	171	162	150
GUADALUPE BASIN TOTAL POPULATION	578	696	850	1,059	1,342	1,718
BASTROP COUNTY TOTAL POPULATION	95,487	125,559	164,648	217,608	289,140	384,244
BLANCO COUNTY						
COLORADO BASIN						
JOHNSON CITY	2,053	2,441	2,668	2,787	2,867	2,914
COUNTY-OTHER	4,650	5,529	6,045	6,315	6,494	6,600
COLORADO BASIN TOTAL POPULATION	6,703	7,970	8,713	9,102	9,361	9,514
GUADALUPE BASIN						
BLANCO	2,156	2,563	2,802	2,927	3,010	3,060
CANYON LAKE WATER SERVICE COMPANY	1,020	1,213	1,326	1,385	1,424	1,448
COUNTY-OTHER	3,136	3,729	4,076	4,258	4,380	4,450
GUADALUPE BASIN TOTAL POPULATION	6,312	7,505	8,204	8,570	8,814	8,958
BLANCO COUNTY TOTAL POPULATION	13,015	15,475	16,917	17,672	18,175	18,472
BURNET COUNTY						
BRAZOS BASIN						
BERTRAM	1,681	2,034	2,331	2,616	2,866	3,083
BURNET	30	36	41	46	51	55
CHISHOLM TRAIL SUD	372	451	517	580	635	683
KEMPNER WSC	769	930	1,066	1,196	1,311	1,410
COUNTY-OTHER	7,599	9,195	10,542	11,829	12,959	13,939
BRAZOS BASIN TOTAL POPULATION	10,451	12,646	14,497	16,267	17,822	19,170

WUG POPULATION

REGION K	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
BURNET COUNTY						
COLORADO BASIN						
BURNET	7,408	8,964	10,276	11,531	12,633	13,589
COTTONWOOD SHORES	1,395	1,688	1,935	2,171	2,379	2,559
GRANITE SHOALS	6,100	7,381	8,461	9,494	10,402	11,189
HORSESHOE BAY	1,192	1,683	2,097	2,493	2,841	3,142
KINGSLAND WSC	419	508	582	653	716	770
MARBLE FALLS	8,702	12,785	18,509	21,509	23,509	24,509
MEADOWLAKES	2,207	2,671	3,062	3,436	3,764	4,049
COUNTY-OTHER	15,240	15,942	14,254	15,114	16,505	18,449
COLORADO BASIN TOTAL POPULATION	42,663	51,622	59,176	66,401	72,749	78,256
BURNET COUNTY TOTAL POPULATION	53,114	64,268	73,673	82,668	90,571	97,426
COLORADO COUNTY						
BRAZOS-COLORADO BASIN						
EAGLE LAKE	1,164	1,215	1,252	1,307	1,353	1,398
COUNTY-OTHER	1,249	1,303	1,344	1,404	1,454	1,501
BRAZOS-COLORADO BASIN TOTAL POPULATION	2,413	2,518	2,596	2,711	2,807	2,899
COLORADO BASIN						
COLUMBUS	3,832	3,999	4,123	4,305	4,457	4,604
EAGLE LAKE	2,652	2,767	2,853	2,979	3,084	3,186
WEIMAR	740	772	796	831	860	889
COUNTY-OTHER	8,107	8,460	8,722	9,106	9,427	9,741
COLORADO BASIN TOTAL POPULATION	15,331	15,998	16,494	17,221	17,828	18,420
LAVACA BASIN						
WEIMAR	1,516	1,582	1,631	1,703	1,763	1,821
COUNTY-OTHER	2,624	2,738	2,823	2,947	3,051	3,153
LAVACA BASIN TOTAL POPULATION	4,140	4,320	4,454	4,650	4,814	4,974
COLORADO COUNTY TOTAL POPULATION	21,884	22,836	23,544	24,582	25,449	26,293
FAYETTE COUNTY						
COLORADO BASIN						
AQUA WSC	24	27	30	31	33	34
FAYETTE WSC	5,174	5,906	6,402	6,811	7,134	7,381
LA GRANGE	5,362	6,120	6,635	7,059	7,393	7,650
LEE COUNTY WSC	1,161	1,325	1,436	1,528	1,601	1,656
COUNTY-OTHER	7,745	8,840	9,584	10,197	10,678	11,049
COLORADO BASIN TOTAL POPULATION	19,466	22,218	24,087	25,626	26,839	27,770
GUADALUPE BASIN						
FAYETTE WSC	335	382	415	441	462	478
FLATONIA	302	345	374	397	416	431
COUNTY-OTHER	335	382	413	441	461	477
GUADALUPE BASIN TOTAL POPULATION	972	1,109	1,202	1,279	1,339	1,386

WUG POPULATION

REGION K	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
FAYETTE COUNTY						
LAVACA BASIN						
FAYETTE WSC	607	692	751	799	836	866
FLATONIA	1,296	1,479	1,603	1,706	1,787	1,848
SCHULENBURG	3,295	3,761	4,077	4,338	4,543	4,701
COUNTY-OTHER	2,737	3,125	3,388	3,603	3,775	3,905
LAVACA BASIN TOTAL POPULATION	7,935	9,057	9,819	10,446	10,941	11,320
FAYETTE COUNTY TOTAL POPULATION	28,373	32,384	35,108	37,351	39,119	40,476
GILLESPIE COUNTY						
COLORADO BASIN						
FREDERICKSBURG	11,318	12,146	12,829	13,630	14,367	15,083
COUNTY-OTHER	14,910	16,095	17,072	18,217	19,270	20,294
COLORADO BASIN TOTAL POPULATION	26,228	28,241	29,901	31,847	33,637	35,377
GUADALUPE BASIN						
COUNTY-OTHER	567	611	647	689	728	765
GUADALUPE BASIN TOTAL POPULATION	567	611	647	689	728	765
GILLESPIE COUNTY TOTAL POPULATION	26,795	28,852	30,548	32,536	34,365	36,142
HAYS COUNTY						
COLORADO BASIN						
AUSTIN	71	760	1,489	3,776	9,100	16,468
BUDA	9,831	14,132	19,369	25,916	33,315	41,735
CIMARRON PARK WATER COMPANY	2,150	2,150	2,150	2,150	2,150	2,150
DRIPPING SPRINGS	2,031	2,311	2,652	3,078	3,560	4,108
DRIPPING SPRINGS WSC	3,037	3,938	5,035	6,407	7,957	9,721
GOFORTH SUD	789	1,246	1,803	2,499	3,285	4,180
MOUNTAIN CITY	490	490	490	490	490	490
PLUM CREEK WATER COMPANY	2,416	3,922	4,208	4,450	4,641	4,791
WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY	9,514	13,449	18,241	24,231	31,000	38,704
COUNTY-OTHER	25,255	30,845	39,310	48,632	56,509	64,232
COLORADO BASIN TOTAL POPULATION	55,584	73,243	94,747	121,629	152,007	186,579
HAYS COUNTY TOTAL POPULATION	55,584	73,243	94,747	121,629	152,007	186,579
LLANO COUNTY						
COLORADO BASIN						
HORSESHOE BAY	2,958	3,119	3,115	3,061	3,165	3,272
KINGSLAND WSC	8,302	9,581	9,546	9,119	9,938	10,786
LLANO	3,565	3,759	3,754	3,689	3,814	3,943
SUNRISE BEACH VILLAGE	720	724	723	721	723	726
COUNTY-OTHER	5,746	5,270	5,284	5,445	5,139	4,822
COLORADO BASIN TOTAL POPULATION	21,291	22,453	22,422	22,035	22,779	23,549
LLANO COUNTY TOTAL POPULATION	21,291	22,453	22,422	22,035	22,779	23,549

WUG POPULATION

REGION K	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
MATAGORDA COUNTY						
BRAZOS-COLORADO BASIN						
BAY CITY	18,759	19,746	20,379	20,869	21,216	21,465
COUNTY-OTHER	7,991	8,411	8,681	8,889	9,038	9,143
BRAZOS-COLORADO BASIN TOTAL POPULATION	26,750	28,157	29,060	29,758	30,254	30,608
COLORADO BASIN						
BAY CITY	38	40	41	42	43	43
COUNTY-OTHER	1,636	1,722	1,777	1,820	1,850	1,872
COLORADO BASIN TOTAL POPULATION	1,674	1,762	1,818	1,862	1,893	1,915
COLORADO-LAVACA BASIN						
PALACIOS	5,035	5,300	5,470	5,601	5,695	5,761
COUNTY-OTHER	5,707	6,007	6,200	6,349	6,454	6,531
COLORADO-LAVACA BASIN TOTAL POPULATION	10,742	11,307	11,670	11,950	12,149	12,292
MATAGORDA COUNTY TOTAL POPULATION	39,166	41,226	42,548	43,570	44,296	44,815
MILLS COUNTY						
BRAZOS BASIN						
GOLDTHWAITE	49	50	52	54	56	58
COUNTY-OTHER	1,117	1,155	1,185	1,232	1,279	1,333
BRAZOS BASIN TOTAL POPULATION	1,166	1,205	1,237	1,286	1,335	1,391
COLORADO BASIN						
BROOKESMITH SUD	47	49	50	52	54	56
GOLDTHWAITE	1,820	1,882	1,932	2,008	2,085	2,172
COUNTY-OTHER	1,879	1,940	1,994	2,071	2,151	2,240
COLORADO BASIN TOTAL POPULATION	3,746	3,871	3,976	4,131	4,290	4,468
MILLS COUNTY TOTAL POPULATION	4,912	5,076	5,213	5,417	5,625	5,859
SAN SABA COUNTY						
COLORADO BASIN						
RICHLAND SUD	1,179	1,235	1,242	1,222	1,251	1,280
SAN SABA	3,277	3,433	3,453	3,397	3,477	3,557
COUNTY-OTHER	2,028	2,125	2,138	2,103	2,151	2,202
COLORADO BASIN TOTAL POPULATION	6,484	6,793	6,833	6,722	6,879	7,039
SAN SABA COUNTY TOTAL POPULATION	6,484	6,793	6,833	6,722	6,879	7,039
TRAVIS COUNTY						
COLORADO BASIN						
AQUA WSC	6,628	7,653	8,620	9,702	10,658	11,546
AUSTIN	930,842	1,096,053	1,258,060	1,377,379	1,477,455	1,596,216
BARTON CREEK WEST WSC	1,456	1,456	1,456	1,456	1,456	1,456
BEE CAVE	4,740	5,473	6,165	6,939	7,622	8,258
BRIARCLIFF	1,736	2,005	2,258	2,542	2,792	3,025
CEDAR PARK	9,551	10,188	10,958	10,958	10,958	10,958
CREEDMOOR-MAHA WSC	5,093	5,881	6,624	7,456	8,190	8,873

WUG POPULATION

REGION K	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
TRAVIS COUNTY						
COLORADO BASIN						
ELGIN	1,788	2,578	3,323	4,157	4,893	5,578
JONESTOWN	1,987	2,125	2,255	2,400	2,528	2,647
LAGO VISTA	7,580	8,964	10,269	11,730	13,020	14,220
LAKEWAY	19,000	25,000	25,000	25,000	25,000	25,000
LEANDER	9,491	24,827	43,093	46,640	48,403	50,610
LOOP 360 WSC	1,998	2,086	2,169	2,262	2,344	2,420
LOST CREEK MUD	4,369	4,369	4,369	4,369	4,369	4,369
MANOR	8,884	12,343	15,605	19,258	22,482	25,480
MANVILLE WSC	19,152	23,593	27,780	32,469	36,607	40,456
MUSTANG RIDGE	336	353	368	385	400	414
NORTH AUSTIN MUD #1	780	780	780	780	780	780
NORTHTOWN MUD	10,272	11,860	13,359	15,036	16,517	17,894
PFLUGERVILLE	77,054	104,405	130,195	159,073	184,561	208,268
POINT VENTURE	1,181	1,524	1,847	2,209	2,528	2,825
ROLLINGWOOD	1,421	1,429	1,436	1,444	1,451	1,458
ROUND ROCK	1,649	1,907	2,150	2,422	2,662	2,885
SHADY HOLLOW MUD	4,889	4,889	4,889	4,889	4,889	4,889
SUNSET VALLEY	1,134	1,480	1,806	2,171	2,494	2,794
THE HILLS	3,000	3,000	3,000	3,000	3,000	3,000
TRAVIS COUNTY MUD #4	3,113	3,595	4,049	4,557	5,006	5,424
TRAVIS COUNTY WCID #10	6,139	7,088	7,984	8,986	9,871	10,694
TRAVIS COUNTY WCID #17	33,117	39,741	43,715	44,473	45,671	47,125
TRAVIS COUNTY WCID #18	6,657	7,686	8,657	9,745	10,704	11,597
TRAVIS COUNTY WCID #19	716	716	716	716	716	716
TRAVIS COUNTY WCID #20	1,140	1,140	1,140	1,140	1,140	1,140
VOLENTE	677	818	951	1,100	1,232	1,354
WELLS BRANCH MUD	14,989	14,989	14,989	14,989	14,989	14,989
WEST LAKE HILLS	3,699	3,699	3,699	3,699	3,699	3,699
WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY	5,501	6,352	7,154	8,053	8,846	9,583
WILLIAMSON-TRAVIS COUNTY MUD #1	1,173	1,173	1,173	1,173	1,173	1,173
COUNTY-OTHER	59,713	54,696	49,962	42,096	31,032	21,041
COLORADO BASIN TOTAL POPULATION	1,272,645	1,507,914	1,732,023	1,896,853	2,032,138	2,184,854
GUADALUPE BASIN						
CREEDMOOR-MAHA WSC	240	277	312	351	386	418
GOFORTH SUD	77	89	100	113	124	134
MUSTANG RIDGE	123	128	134	140	146	151
COUNTY-OTHER	175	234	291	312	326	352
GUADALUPE BASIN TOTAL POPULATION	615	728	837	916	982	1,055
TRAVIS COUNTY TOTAL POPULATION	1,273,260	1,508,642	1,732,860	1,897,769	2,033,120	2,185,909

WUG POPULATION

REGION K	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
WHARTON COUNTY						
BRAZOS-COLORADO BASIN						
EAST BERNARD	2,411	2,566	2,690	2,797	2,896	2,983
WHARTON	6,186	6,583	6,900	7,174	7,428	7,652
COUNTY-OTHER	9,329	9,927	10,405	10,820	11,202	11,541
BRAZOS-COLORADO BASIN TOTAL POPULATION	17,926	19,076	19,995	20,791	21,526	22,176
COLORADO BASIN						
EL CAMPO	27	29	30	31	32	33
WHARTON	3,186	3,391	3,554	3,696	3,826	3,942
COUNTY-OTHER	4,471	4,757	4,987	5,186	5,369	5,531
COLORADO BASIN TOTAL POPULATION	7,684	8,177	8,571	8,913	9,227	9,506
COLORADO-LAVACA BASIN						
COUNTY-OTHER	1,434	1,526	1,599	1,663	1,722	1,774
COLORADO-LAVACA BASIN TOTAL POPULATION	1,434	1,526	1,599	1,663	1,722	1,774
LAVACA BASIN						
COUNTY-OTHER	140	149	157	162	168	173
LAVACA BASIN TOTAL POPULATION	140	149	157	162	168	173
WHARTON COUNTY TOTAL POPULATION	27,184	28,928	30,322	31,529	32,643	33,629
WILLIAMSON COUNTY						
BRAZOS BASIN						
AUSTIN	45,505	57,164	70,943	85,781	102,609	121,072
NORTH AUSTIN MUD #1	7,442	7,442	7,442	7,442	7,442	7,442
WELLS BRANCH MUD	1,073	1,073	1,073	1,073	1,073	1,073
COUNTY-OTHER	16,658	23,108	23,108	23,108	23,108	23,108
BRAZOS BASIN TOTAL POPULATION	70,678	88,787	102,566	117,404	134,232	152,695
WILLIAMSON COUNTY TOTAL POPULATION	70,678	88,787	102,566	117,404	134,232	152,695
REGION K TOTAL POPULATION	1,737,227	2,064,522	2,381,949	2,658,492	2,928,400	3,243,127

FTCHVLCRWP WATER PLAN

**APPENDIX ES.B
TWDB DB17 REPORT
WUG Demand**

WUG DEMAND

REGION K	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
COLORADO COUNTY						
COLORADO BASIN						
IRRIGATION	28,073	27,318	26,583	25,868	25,172	24,495
COLORADO BASIN TOTAL DEMAND	36,584	35,922	35,266	34,691	34,141	33,610
LAVACA BASIN						
WEIMAR	373	382	388	402	416	429
COUNTY-OTHER	323	326	326	336	346	358
MANUFACTURING	368	393	416	435	469	507
MINING	266	269	272	274	277	280
LIVESTOCK	465	465	465	465	465	465
IRRIGATION	88,248	85,874	83,564	81,316	79,129	77,000
LAVACA BASIN TOTAL DEMAND	90,043	87,709	85,431	83,228	81,102	79,039
COLORADO COUNTY TOTAL DEMAND	176,833	172,508	168,281	164,251	160,361	156,585
FAYETTE COUNTY						
COLORADO BASIN						
AQUA WSC	4	5	5	5	6	6
FAYETTE WSC	639	709	755	795	831	860
LA GRANGE	865	959	1,020	1,075	1,123	1,162
LEE COUNTY WSC	148	164	174	184	192	198
COUNTY-OTHER	885	968	1,021	1,070	1,117	1,156
MINING	2,046	1,646	1,187	744	291	284
STEAM ELECTRIC POWER	35,702	35,702	37,802	44,102	48,602	53,402
LIVESTOCK	1,903	1,903	1,903	1,903	1,903	1,903
IRRIGATION	380	355	332	311	292	276
COLORADO BASIN TOTAL DEMAND	42,572	42,411	44,199	50,189	54,357	59,247
GUADALUPE BASIN						
FAYETTE WSC	42	46	49	52	54	56
FLATONIA	64	71	76	80	83	86
COUNTY-OTHER	38	41	43	46	48	50
MINING	126	102	73	45	18	17
LIVESTOCK	108	108	108	108	108	108
IRRIGATION	62	58	55	51	48	45
GUADALUPE BASIN TOTAL DEMAND	440	426	404	382	359	362
LAVACA BASIN						
FAYETTE WSC	76	83	89	94	98	101
FLATONIA	270	301	321	339	356	368
SCHULENBURG	735	821	878	927	970	1,003
COUNTY-OTHER	313	343	361	379	396	409
MANUFACTURING	358	395	431	462	501	543
MINING	354	284	205	129	50	49
LIVESTOCK	386	386	386	386	386	386
IRRIGATION	181	170	158	149	140	132
LAVACA BASIN TOTAL DEMAND	2,673	2,783	2,829	2,865	2,897	2,991
FAYETTE COUNTY TOTAL DEMAND	45,685	45,620	47,432	53,436	57,613	62,600
GILLESPIE COUNTY						
COLORADO BASIN						
FREDERICKSBURG	3,146	3,327	3,476	3,672	3,866	4,058
COUNTY-OTHER	1,756	1,829	1,891	1,990	2,098	2,208
MANUFACTURING	1,049	1,102	1,151	1,192	1,276	1,366

WUG DEMAND

REGION K	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
GILLESPIE COUNTY						
COLORADO BASIN						
MINING	4	4	4	4	4	4
LIVESTOCK	1,030	1,030	1,030	1,030	1,030	1,030
IRRIGATION	2,058	2,031	2,003	1,978	1,953	1,928
COLORADO BASIN TOTAL DEMAND	9,043	9,323	9,555	9,866	10,227	10,594
GUADALUPE BASIN						
COUNTY-OTHER	67	69	71	75	79	83
LIVESTOCK	32	32	32	32	32	32
GUADALUPE BASIN TOTAL DEMAND	99	101	103	107	111	115
GILLESPIE COUNTY TOTAL DEMAND	9,142	9,424	9,658	9,973	10,338	10,709
HAYS COUNTY						
COLORADO BASIN						
AUSTIN	13	127	249	631	1,519	2,749
BUDA	1,769	2,508	3,420	4,564	5,860	7,338
CIMARRON PARK WATER COMPANY	249	241	234	230	229	229
DRIPPING SPRINGS	479	537	610	704	813	938
DRIPPING SPRINGS WSC	533	680	861	1,091	1,353	1,652
GOFORTH SUD	85	130	185	255	334	425
MOUNTAIN CITY	57	56	54	54	54	54
PLUM CREEK WATER COMPANY	163	264	283	300	312	322
WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY	4,093	5,758	7,795	10,343	13,226	16,508
COUNTY-OTHER	3,107	3,696	4,620	5,677	6,579	7,472
MANUFACTURING	347	398	449	495	537	583
MINING	845	1,075	1,361	1,445	1,654	1,893
LIVESTOCK	220	220	220	220	220	220
IRRIGATION	107	107	107	107	107	107
COLORADO BASIN TOTAL DEMAND	12,067	15,797	20,448	26,116	32,797	40,490
HAYS COUNTY TOTAL DEMAND	12,067	15,797	20,448	26,116	32,797	40,490
LLANO COUNTY						
COLORADO BASIN						
HORSESHOE BAY	1,854	1,943	1,934	1,897	1,960	2,026
KINGSLAND WSC	906	1,018	1,001	949	1,031	1,118
LLANO	862	892	878	856	884	913
SUNRISE BEACH VILLAGE	74	72	70	68	68	68
COUNTY-OTHER	610	554	553	567	533	500
MANUFACTURING	3	3	3	3	3	3
MINING	3	3	3	3	3	3
STEAM ELECTRIC POWER	2,500	2,500	2,500	2,500	2,500	2,500
LIVESTOCK	751	751	751	751	751	751
IRRIGATION	1,936	1,902	1,870	1,840	1,810	1,781
COLORADO BASIN TOTAL DEMAND	9,499	9,638	9,563	9,434	9,543	9,663
LLANO COUNTY TOTAL DEMAND	9,499	9,638	9,563	9,434	9,543	9,663
MATAGORDA COUNTY						
BRAZOS-COLORADO BASIN						
BAY CITY	2,837	2,889	2,904	2,949	2,990	3,025
COUNTY-OTHER	834	837	832	835	846	856
MANUFACTURING	650	680	707	730	771	814
MINING	53	55	41	30	19	12

WUG DEMAND

REGION K	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MATAGORDA COUNTY						
BRAZOS-COLORADO BASIN						
LIVESTOCK	664	664	664	664	664	664
IRRIGATION	92,540	90,015	87,558	85,167	82,840	80,576
BRAZOS-COLORADO BASIN TOTAL DEMAND	97,578	95,140	92,706	90,375	88,130	85,947
COLORADO BASIN						
BAY CITY	6	6	6	6	7	7
COUNTY-OTHER	171	172	171	172	174	176
MANUFACTURING	15,440	16,141	16,802	17,346	18,304	19,325
MINING	8	9	7	5	3	2
STEAM ELECTRIC POWER	105,000	105,000	105,000	105,000	105,000	105,000
LIVESTOCK	131	131	131	131	131	131
IRRIGATION	13,217	12,856	12,505	12,164	11,832	11,508
COLORADO BASIN TOTAL DEMAND	133,973	134,315	134,622	134,824	135,451	136,149
COLORADO-LAVACA BASIN						
PALACIOS	679	691	694	700	710	718
COUNTY-OTHER	596	598	595	597	605	612
MANUFACTURING	163	170	177	183	192	203
MINING	35	36	27	20	13	8
LIVESTOCK	708	708	708	708	708	708
IRRIGATION	103,330	100,511	97,767	95,097	92,499	89,971
COLORADO-LAVACA BASIN TOTAL DEMAND	105,511	102,714	99,968	97,305	94,727	92,220
MATAGORDA COUNTY TOTAL DEMAND	337,062	332,169	327,296	322,504	318,308	314,316
MILLS COUNTY						
BRAZOS BASIN						
GOLDTHWAITE	10	10	10	10	11	11
COUNTY-OTHER	144	143	142	146	151	157
MINING	2	2	2	2	2	2
LIVESTOCK	321	321	321	321	321	321
IRRIGATION	1,415	1,385	1,355	1,326	1,297	1,270
BRAZOS BASIN TOTAL DEMAND	1,892	1,861	1,830	1,805	1,782	1,761
COLORADO BASIN						
BROOKESMITH SUD	8	8	8	8	8	8
GOLDTHWAITE	351	354	356	367	379	396
COUNTY-OTHER	241	239	237	244	253	263
MANUFACTURING	2	2	2	2	2	2
MINING	2	2	2	2	2	2
LIVESTOCK	623	623	623	623	623	623
IRRIGATION	1,659	1,623	1,588	1,553	1,520	1,489
COLORADO BASIN TOTAL DEMAND	2,886	2,851	2,816	2,799	2,787	2,783
MILLS COUNTY TOTAL DEMAND	4,778	4,712	4,646	4,604	4,569	4,544
SAN SABA COUNTY						
COLORADO BASIN						
RICHLAND SUD	168	172	169	165	168	172
SAN SABA	1,138	1,178	1,174	1,149	1,175	1,202
COUNTY-OTHER	316	320	314	309	315	322
MANUFACTURING	8	8	8	8	8	8
MINING	1,088	1,093	944	900	864	838

WUG DEMAND

REGION K	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
SAN SABA COUNTY						
COLORADO BASIN						
LIVESTOCK	1,191	1,191	1,191	1,191	1,191	1,191
IRRIGATION	5,539	5,361	5,188	5,018	4,856	4,709
COLORADO BASIN TOTAL DEMAND	9,448	9,323	8,988	8,740	8,577	8,442
SAN SABA COUNTY TOTAL DEMAND	9,448	9,323	8,988	8,740	8,577	8,442
TRAVIS COUNTY						
COLORADO BASIN						
AQUA WSC	1,089	1,226	1,363	1,524	1,672	1,810
AUSTIN	157,445	182,933	209,973	229,887	246,590	266,411
BARTON CREEK WEST WSC	432	427	424	423	422	422
BEE CAVE	1,777	2,043	2,297	2,582	2,834	3,070
BRIARCLIFF	260	295	328	368	403	436
CEDAR PARK	2,432	2,579	2,767	2,763	2,761	2,760
CREEDMOOR-MAHA WSC	565	623	681	756	828	896
ELGIN	251	352	447	556	653	744
JONESTOWN	408	428	448	473	497	521
LAGO VISTA	1,868	2,185	2,488	2,832	3,140	3,428
LAKEWAY	6,977	9,115	9,093	9,081	9,076	9,075
LEANDER	1,134	2,908	5,020	5,422	5,623	5,878
LOOP 360 WSC	1,174	1,220	1,264	1,316	1,363	1,407
LOST CREEK MUD	1,092	1,072	1,057	1,056	1,054	1,054
MANOR	1,141	1,559	1,959	2,410	2,810	3,183
MANVILLE WSC	2,984	3,604	4,201	4,885	5,499	6,074
MUSTANG RIDGE	45	46	47	48	50	51
NORTH AUSTIN MUD #1	82	79	77	75	75	75
NORTHTOWN MUD	691	798	898	1,011	1,111	1,203
PFLUGERVILLE	12,775	17,105	21,243	25,896	30,012	33,851
POINT VENTURE	347	443	534	638	729	815
ROLLINGWOOD	384	379	376	375	376	378
ROUND ROCK	265	301	336	377	414	448
SHADY HOLLOW MUD	779	758	741	731	730	730
SUNSET VALLEY	386	499	606	727	834	934
THE HILLS	1,449	1,444	1,441	1,439	1,438	1,438
TRAVIS COUNTY MUD #4	2,611	3,010	3,387	3,810	4,184	4,533
TRAVIS COUNTY WCID #10	2,128	2,428	2,715	3,044	3,341	3,619
TRAVIS COUNTY WCID #17	8,451	10,053	11,017	11,187	11,479	11,842
TRAVIS COUNTY WCID #18	1,123	1,267	1,407	1,573	1,725	1,867
TRAVIS COUNTY WCID #19	498	496	494	493	493	493
TRAVIS COUNTY WCID #20	590	587	584	583	582	582
VOLENTE	76	89	101	116	130	142
WELLS BRANCH MUD	1,638	1,602	1,577	1,563	1,559	1,558
WEST LAKE HILLS	1,564	1,550	1,539	1,533	1,532	1,532
WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY	2,367	2,720	3,057	3,438	3,774	4,088
WILLIAMSON-TRAVIS COUNTY MUD #1	153	149	147	147	146	146
COUNTY-OTHER	8,370	7,608	6,925	5,811	4,256	2,879
MANUFACTURING	35,790	48,710	63,858	72,991	81,781	91,630
MINING	3,467	4,067	4,714	5,320	5,986	6,749

WUG DEMAND

REGION K	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
TRAVIS COUNTY						
COLORADO BASIN						
STEAM ELECTRIC POWER	18,500	22,500	22,500	23,500	24,500	26,500
LIVESTOCK	680	680	680	680	680	680
IRRIGATION	4,322	3,975	3,657	3,364	3,097	2,885
COLORADO BASIN TOTAL DEMAND	290,560	345,912	398,468	436,804	470,239	508,817
GUADALUPE BASIN						
CREEDMOOR-MAHA WSC	27	30	33	36	40	43
GOFORTH SUD	9	10	11	12	13	14
MUSTANG RIDGE	17	17	17	18	19	20
COUNTY-OTHER	25	33	41	44	45	49
MINING	35	41	48	54	60	68
LIVESTOCK	24	24	24	24	24	24
GUADALUPE BASIN TOTAL DEMAND	137	155	174	188	201	218
TRAVIS COUNTY TOTAL DEMAND	290,697	346,067	398,642	436,992	470,440	509,035
WHARTON COUNTY						
BRAZOS-COLORADO BASIN						
EAST BERNARD	380	395	406	418	432	445
WHARTON	1,103	1,140	1,169	1,205	1,246	1,283
COUNTY-OTHER	1,209	1,234	1,255	1,301	1,345	1,384
MANUFACTURING	503	537	572	601	648	699
MINING	39	41	30	23	14	9
STEAM ELECTRIC POWER	351	413	488	580	691	797
LIVESTOCK	371	371	371	371	371	371
IRRIGATION	114,604	111,520	108,521	105,602	102,761	99,997
BRAZOS-COLORADO BASIN TOTAL DEMAND	118,560	115,651	112,812	110,101	107,508	104,985
COLORADO BASIN						
EL CAMPO	6	6	6	6	6	6
WHARTON	568	588	603	622	642	661
COUNTY-OTHER	580	592	603	625	645	665
MINING	26	27	20	15	10	6
STEAM ELECTRIC POWER	2,400	2,400	2,400	2,400	2,400	2,400
LIVESTOCK	277	277	277	277	277	277
IRRIGATION	61,546	59,891	58,280	56,712	55,186	53,702
COLORADO BASIN TOTAL DEMAND	65,403	63,781	62,189	60,657	59,166	57,717
COLORADO-LAVACA BASIN						
COUNTY-OTHER	186	190	194	201	207	213
MINING	6	6	5	3	2	2
LIVESTOCK	80	80	80	80	80	80
IRRIGATION	36,079	35,109	34,164	33,245	32,351	31,480
COLORADO-LAVACA BASIN TOTAL DEMAND	36,351	35,385	34,443	33,529	32,640	31,775
LAVACA BASIN						
COUNTY-OTHER	18	18	19	20	20	21
LAVACA BASIN TOTAL DEMAND	18	18	19	20	20	21
WHARTON COUNTY TOTAL DEMAND	220,332	214,835	209,463	204,307	199,334	194,498
WILLIAMSON COUNTY						
BRAZOS BASIN						
AUSTIN	7,697	9,541	11,841	14,317	17,126	20,208

WUG DEMAND

REGION K	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
WILLIAMSON COUNTY						
BRAZOS BASIN						
NORTH AUSTIN MUD #1	774	748	726	714	711	711
WELLS BRANCH MUD	118	115	113	112	112	112
COUNTY-OTHER	2,586	3,504	3,467	3,451	3,444	3,441
MINING	5	3	3	3	3	3
LIVESTOCK	1	1	1	1	1	1
BRAZOS BASIN TOTAL DEMAND	11,181	13,912	16,151	18,598	21,397	24,476
WILLIAMSON COUNTY TOTAL DEMAND	11,181	13,912	16,151	18,598	21,397	24,476
REGION K TOTAL DEMAND						
	1,183,325	1,245,335	1,301,963	1,352,231	1,401,321	1,461,807

FTCHVLCRWP WATER PLAN

**APPENDIX ES.C
TWDB DB17 REPORT
WUG Category Summary**

WUG CATEGORY SUMMARY

REGION K	2020	2030	2040	2050	2060	2070
MUNICIPAL						
POPULATION	1,514,759	1,824,168	2,130,512	2,395,084	2,656,986	2,961,084
DEMANDS (acre-feet per year)	276,690	327,589	379,309	424,868	470,315	522,746
EXISTING SUPPLIES (acre-feet per year)	401,731	389,562	376,347	368,291	360,027	349,777
NEEDS (acre-feet per year)*	(8,862)	(29,970)	(47,855)	(67,980)	(119,023)	(179,766)
COUNTY-OTHER						
POPULATION	222,468	240,354	251,437	263,408	271,414	282,043
DEMANDS (acre-feet per year)	29,870	31,605	32,452	33,720	34,694	36,203
EXISTING SUPPLIES (acre-feet per year)	52,051	52,776	52,649	52,541	52,367	52,521
NEEDS (acre-feet per year)*	(770)	(1,046)	(1,869)	(3,375)	(4,808)	(6,281)
MANUFACTURING						
DEMANDS (acre-feet per year)	56,019	70,050	86,259	96,283	106,487	117,851
EXISTING SUPPLIES (acre-feet per year)	61,383	74,303	89,451	98,584	107,374	117,223
NEEDS (acre-feet per year)*	(570)	(692)	(810)	(913)	(1,059)	(1,216)
MINING						
DEMANDS (acre-feet per year)	20,848	26,104	27,991	29,757	31,893	34,961
EXISTING SUPPLIES (acre-feet per year)	17,428	18,263	19,159	19,992	20,916	21,974
NEEDS (acre-feet per year)*	(4,260)	(8,618)	(9,747)	(10,719)	(12,153)	(14,164)
STEAM ELECTRIC POWER						
DEMANDS (acre-feet per year)	178,453	185,235	187,410	194,802	200,413	207,319
EXISTING SUPPLIES (acre-feet per year)	168,968	168,954	168,930	164,731	158,201	152,692
NEEDS (acre-feet per year)*	(25,363)	(26,751)	(26,775)	(31,974)	(42,212)	(54,627)
LIVESTOCK						
DEMANDS (acre-feet per year)	14,012	14,012	14,012	14,012	14,012	14,012
EXISTING SUPPLIES (acre-feet per year)	16,232	16,232	16,232	16,232	16,232	16,232
NEEDS (acre-feet per year)*	0	0	0	0	0	0
IRRIGATION						
DEMANDS (acre-feet per year)	607,433	590,740	574,530	558,789	543,507	528,715
EXISTING SUPPLIES (acre-feet per year)	276,987	276,877	276,784	276,700	276,627	276,578
NEEDS (acre-feet per year)*	(335,489)	(319,584)	(304,106)	(289,044)	(274,387)	(260,124)
REGION TOTALS						
POPULATION	1,737,227	2,064,522	2,381,949	2,658,492	2,928,400	3,243,127
DEMANDS (acre-feet per year)	1,183,325	1,245,335	1,301,963	1,352,231	1,401,321	1,461,807
EXISTING SUPPLIES (acre-feet per year)	994,780	996,967	999,552	997,071	991,744	986,997
NEEDS (acre-feet per year)*	(375,314)	(386,661)	(391,162)	(404,005)	(453,642)	(516,178)

*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.

LCRWPG WATER PLAN

**APPENDIX ES.D
TWDB DB17 REPORT
Source Availability**

SOURCE AVAILABILITY

REGION K									
GROUNDWATER	COUNTY	BASIN	SALINITY	SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
				2020	2030	2040	2050	2060	2070
GULF COAST AQUIFER	MATAGORDA	COLORADO-LAVACA	FRESH	18,662	18,662	18,662	18,662	18,662	18,662
GULF COAST AQUIFER	WHARTON	BRAZOS-COLORADO	FRESH	34,020	34,020	34,020	34,020	34,020	34,020
GULF COAST AQUIFER	WHARTON	COLORADO	FRESH	31,406	31,406	31,406	31,406	31,406	31,406
GULF COAST AQUIFER	WHARTON	COLORADO-LAVACA	FRESH	11,624	11,624	11,624	11,624	11,624	11,624
GULF COAST AQUIFER	WHARTON	LAVACA	FRESH	1,690	1,690	1,690	1,690	1,690	1,690
HICKORY AQUIFER	BLANCO	COLORADO	FRESH	1,162	1,162	1,162	1,162	1,162	1,162
HICKORY AQUIFER	BLANCO	GUADALUPE	FRESH	1	1	1	1	1	1
HICKORY AQUIFER	BURNET	BRAZOS	FRESH	0	0	0	0	0	0
HICKORY AQUIFER	BURNET	COLORADO	FRESH	2,148	2,148	2,148	2,148	2,148	2,148
HICKORY AQUIFER	GILLESPIE	COLORADO	FRESH	1,659	1,659	1,659	1,659	1,659	1,659
HICKORY AQUIFER	GILLESPIE	GUADALUPE	FRESH	0	0	0	0	0	0
HICKORY AQUIFER	LLANO	COLORADO	FRESH	2,018	2,018	2,018	2,018	2,018	2,018
HICKORY AQUIFER	MILLS	BRAZOS	FRESH	1	1	1	1	1	1
HICKORY AQUIFER	MILLS	COLORADO	FRESH	35	35	35	35	35	35
HICKORY AQUIFER	SAN SABA	COLORADO	FRESH	1,479	1,479	1,479	1,479	1,479	1,479
HICKORY AQUIFER	TRAVIS	BRAZOS	FRESH	0	0	0	0	0	0
HICKORY AQUIFER	TRAVIS	COLORADO	FRESH	22	22	22	22	22	22
MARBLE FALLS AQUIFER	BLANCO	COLORADO	FRESH	261	261	261	261	261	261
MARBLE FALLS AQUIFER	BURNET	BRAZOS	FRESH	93	93	93	93	93	93
MARBLE FALLS AQUIFER	BURNET	COLORADO	FRESH	1,885	1,885	1,885	1,885	1,885	1,885
MARBLE FALLS AQUIFER	SAN SABA	COLORADO	FRESH	11,063	11,063	11,063	11,063	11,063	11,063
OTHER AQUIFER	BURNET	BRAZOS	FRESH	2,053	2,053	2,053	2,053	2,053	2,053
OTHER AQUIFER	TRAVIS	GUADALUPE	FRESH	112	112	112	112	112	112
OTHER AQUIFER ALLUVIUM	BURNET	COLORADO	FRESH	3,672	3,672	3,672	3,672	3,672	3,672
OTHER AQUIFER ALLUVIUM	LLANO	COLORADO	FRESH	629	629	629	629	629	629
OTHER AQUIFER CITY OF BASTROP	BASTROP	COLORADO	FRESH	5,340	5,340	5,340	5,340	5,340	5,340
OTHER AQUIFER COUNTY-OTHER, IRRIGATION	TRAVIS	COLORADO	FRESH	1,453	1,453	1,453	1,453	1,453	1,453
OTHER AQUIFER FAYETTE WSC, COUNTY-OTHER	FAYETTE	COLORADO	FRESH	834	834	834	834	834	834
QUEEN CITY AQUIFER	BASTROP	BRAZOS	FRESH	244	598	219	216	216	216
QUEEN CITY AQUIFER	BASTROP	COLORADO	FRESH	659	1,626	599	591	590	590
QUEEN CITY AQUIFER	BASTROP	GUADALUPE	FRESH	192	541	213	216	216	216
QUEEN CITY AQUIFER	FAYETTE	COLORADO	FRESH	436	478	513	565	570	570
QUEEN CITY AQUIFER	FAYETTE	GUADALUPE	FRESH	0	0	0	0	0	0
SPARTA AQUIFER	BASTROP	BRAZOS	FRESH	65	170	58	55	55	55
SPARTA AQUIFER	BASTROP	COLORADO	FRESH	1,761	4,606	1,538	1,460	1,453	1,453
SPARTA AQUIFER	BASTROP	GUADALUPE	FRESH	87	228	79	76	75	75
SPARTA AQUIFER	FAYETTE	COLORADO	FRESH	3,161	3,206	3,226	3,278	3,294	3,294

SOURCE AVAILABILITY

REGION K									
GROUNDWATER	COUNTY	BASIN	SALINITY	SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
				2020	2030	2040	2050	2060	2070
SPARTA AQUIFER	FAYETTE	GUADALUPE	FRESH	431	431	430	433	435	435
TRINITY AQUIFER	BLANCO	COLORADO	FRESH	1,322	1,322	1,322	1,322	1,322	1,322
TRINITY AQUIFER	BLANCO	GUADALUPE	FRESH	1,251	1,251	1,251	1,251	1,251	1,251
TRINITY AQUIFER	BURNET	BRAZOS	FRESH	2,723	2,723	2,723	2,723	2,723	2,723
TRINITY AQUIFER	BURNET	COLORADO	FRESH	823	823	823	823	823	823
TRINITY AQUIFER	GILLESPIE	COLORADO	FRESH	2,482	2,482	2,482	2,482	2,482	2,482
TRINITY AQUIFER	GILLESPIE	GUADALUPE	FRESH	46	46	46	46	46	46
TRINITY AQUIFER	HAYS	COLORADO	FRESH	5,665	5,662	5,661	5,661	5,661	5,661
TRINITY AQUIFER	MILLS	BRAZOS	FRESH	1,273	1,273	1,273	1,273	1,273	1,273
TRINITY AQUIFER	MILLS	COLORADO	FRESH	1,128	1,128	1,128	1,128	1,128	1,128
TRINITY AQUIFER	TRAVIS	BRAZOS	FRESH	8	8	8	8	8	8
TRINITY AQUIFER	TRAVIS	COLORADO	FRESH	13,188	13,171	13,159	13,143	13,114	13,114
TRINITY AQUIFER	TRAVIS	GUADALUPE	FRESH	7	7	7	7	7	7
TRINITY AQUIFER	WILLIAMSON	BRAZOS	FRESH	157	157	157	157	157	157
TRINITY AQUIFER	WILLIAMSON	COLORADO	FRESH	61	61	61	61	61	61
YEGUA-JACKSON AQUIFER	FAYETTE	COLORADO	FRESH	5,065	5,065	5,065	5,065	5,065	5,065
YEGUA-JACKSON AQUIFER	FAYETTE	GUADALUPE	FRESH	650	650	650	650	650	650
YEGUA-JACKSON AQUIFER	FAYETTE	LAVACA	FRESH	47	47	47	47	47	47
GROUNDWATER TOTAL SOURCE AVAILABILITY				322,366	327,713	326,848	330,023	330,458	330,458

REGION K									
REUSE	COUNTY	BASIN	SALINITY	SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
				2020	2030	2040	2050	2060	2070
DIRECT REUSE	LLANO	COLORADO	FRESH	516	516	516	516	516	516
DIRECT REUSE	TRAVIS	COLORADO	FRESH	17,435	31,392	43,583	53,533	58,783	58,783
REUSE TOTAL SOURCE AVAILABILITY				17,951	31,908	44,099	54,049	59,299	59,299

REGION K									
SURFACE WATER	COUNTY	BASIN	SALINITY	SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
				2020	2030	2040	2050	2060	2070
BLANCO LAKE/RESERVOIR	RESERVOIR	GUADALUPE	FRESH	596	596	596	596	596	596
BRAZOS LIVESTOCK LOCAL SUPPLY	BASTROP	BRAZOS	FRESH	94	94	94	94	94	94
BRAZOS LIVESTOCK LOCAL SUPPLY	BURNET	BRAZOS	FRESH	311	311	311	311	311	311
BRAZOS LIVESTOCK LOCAL SUPPLY	MILLS	BRAZOS	FRESH	321	321	321	321	321	321
BRAZOS LIVESTOCK LOCAL SUPPLY	WILLIAMSON	BRAZOS	FRESH	1	1	1	1	1	1
BRAZOS-COLORADO LIVESTOCK LOCAL SUPPLY	COLORADO	BRAZOS-COLORADO	FRESH	203	203	203	203	203	203
BRAZOS-COLORADO LIVESTOCK LOCAL SUPPLY	MATAGORDA	BRAZOS-COLORADO	FRESH	664	664	664	664	664	664

SOURCE AVAILABILITY

REGION K									
SURFACE WATER	COUNTY	BASIN	SALINITY	SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
				2020	2030	2040	2050	2060	2070
COLORADO RUN-OF-RIVER	FAYETTE	COLORADO	FRESH	534	534	534	534	534	534
COLORADO RUN-OF-RIVER	GILLESPIE	COLORADO	FRESH	880	880	880	880	880	880
COLORADO RUN-OF-RIVER	HAYS	COLORADO	FRESH	41	41	41	41	41	41
COLORADO RUN-OF-RIVER	LLANO	COLORADO	FRESH	440	440	440	440	440	440
COLORADO RUN-OF-RIVER	MATAGORDA	COLORADO	FRESH	93,821	93,821	93,821	93,821	93,821	93,821
COLORADO RUN-OF-RIVER	MILLS	COLORADO	FRESH	2,378	2,378	2,378	2,378	2,378	2,378
COLORADO RUN-OF-RIVER	SAN SABA	COLORADO	FRESH	8,800	8,800	8,800	8,800	8,800	8,800
COLORADO RUN-OF-RIVER	TRAVIS	COLORADO	FRESH	207,971	207,971	207,971	207,971	207,984	208,038
COLORADO RUN-OF-RIVER	WHARTON	COLORADO	FRESH	10,562	10,562	10,562	10,562	10,562	10,562
COLORADO-LAVACA LIVESTOCK LOCAL SUPPLY	MATAGORDA	COLORADO-LAVACA	FRESH	708	708	708	708	708	708
COLORADO-LAVACA LIVESTOCK LOCAL SUPPLY	WHARTON	COLORADO-LAVACA	FRESH	80	80	80	80	80	80
COLORADO-LAVACA RUN-OF-RIVER	MATAGORDA	COLORADO-LAVACA	FRESH	4,000	4,000	4,000	4,000	4,000	4,000
GOLDTHWAITE LAKE/RESERVOIR	RESERVOIR	COLORADO	FRESH	0	0	0	0	0	0
GUADALUPE LIVESTOCK LOCAL SUPPLY	BASTROP	GUADALUPE	FRESH	72	72	72	72	72	72
GUADALUPE LIVESTOCK LOCAL SUPPLY	BLANCO	GUADALUPE	FRESH	129	129	129	129	129	129
GUADALUPE LIVESTOCK LOCAL SUPPLY	FAYETTE	GUADALUPE	FRESH	108	108	108	108	108	108
GUADALUPE LIVESTOCK LOCAL SUPPLY	GILLESPIE	GUADALUPE	FRESH	32	32	32	32	32	32
GUADALUPE LIVESTOCK LOCAL SUPPLY	TRAVIS	GUADALUPE	FRESH	24	24	24	24	24	24
GUADALUPE RUN-OF-RIVER	BLANCO	GUADALUPE	FRESH	9	9	9	9	9	9
HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	RESERVOIR	COLORADO	FRESH	418,812	413,298	407,774	401,744	395,201	389,125
LAVACA LIVESTOCK LOCAL SUPPLY	COLORADO	LAVACA	FRESH	465	465	465	465	465	465
LAVACA LIVESTOCK LOCAL SUPPLY	FAYETTE	LAVACA	FRESH	386	386	386	386	386	386
LAVACA RUN-OF-RIVER	COLORADO	LAVACA	FRESH	4,002	4,002	4,002	4,002	4,002	4,002
LAVACA RUN-OF-RIVER	FAYETTE	LAVACA	FRESH	20	20	20	20	20	20
LLANO LAKE/RESERVOIR	RESERVOIR	COLORADO	FRESH	417	417	417	417	417	417
SURFACE WATER TOTAL SOURCE AVAILABILITY				941,906	936,392	930,868	924,838	918,308	912,286
REGION K TOTAL SOURCE AVAILABILITY				1,282,223	1,296,013	1,301,815	1,308,910	1,308,065	1,302,043

FTCHVLCRWPG WATER PLAN

**APPENDIX ES.E
TWDB DB17 REPORT
Existing Water Supply**

EXISTING WATER SUPPLY

REGION K	SOURCE REGION SOURCE NAME	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
		2020	2030	2040	2050	2060	2070
BASTROP COUNTY							
BRAZOS BASIN							
AQUA WSC	K CARRIZO-WILCOX AQUIFER BASTROP COUNTY	350	350	350	350	350	350
LEE COUNTY WSC	G CARRIZO-WILCOX AQUIFER LEE COUNTY	138	158	189	234	292	362
LEE COUNTY WSC	G QUEEN CITY AQUIFER LEE COUNTY	2	2	4	3	4	6
LEE COUNTY WSC	G SPARTA AQUIFER LEE COUNTY	6	7	7	9	10	14
COUNTY-OTHER	K CARRIZO-WILCOX AQUIFER BASTROP COUNTY	91	91	91	91	91	91
MINING		0	0	0	0	0	0
LIVESTOCK	K BRAZOS LIVESTOCK LOCAL SUPPLY	94	94	94	94	94	94
IRRIGATION	K QUEEN CITY AQUIFER BASTROP COUNTY	50	50	50	50	50	50
BRAZOS BASIN TOTAL EXISTING SUPPLY		731	752	785	831	891	967
COLORADO BASIN							
AQUA WSC	K CARRIZO-WILCOX AQUIFER BASTROP COUNTY	4,775	5,218	6,147	6,805	6,805	6,805
AQUA WSC	L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY	1,764	1,764	1,764	1,764	1,764	1,764
BASTROP	K OTHER AQUIFER BASTROP COUNTY	1,927	1,927	1,927	1,927	1,927	1,927
BASTROP COUNTY WCID #2	K CARRIZO-WILCOX AQUIFER BASTROP COUNTY	659	715	834	917	917	917
BASTROP COUNTY WCID #2	K OTHER AQUIFER BASTROP COUNTY	472	472	472	472	472	472
CREEDMOOR-MAHA WSC	K CARRIZO-WILCOX AQUIFER BASTROP COUNTY	40	40	40	40	40	40
CREEDMOOR-MAHA WSC	K EDWARDS-BFZ AQUIFER TRAVIS COUNTY	0	0	0	4	17	34
ELGIN	K CARRIZO-WILCOX AQUIFER BASTROP COUNTY	826	919	1,112	1,249	1,249	1,249
LEE COUNTY WSC	G CARRIZO-WILCOX AQUIFER LEE COUNTY	184	211	255	317	396	489
LEE COUNTY WSC	G QUEEN CITY AQUIFER LEE COUNTY	4	4	4	5	6	7
LEE COUNTY WSC	G SPARTA AQUIFER LEE COUNTY	8	8	10	12	15	18
POLONIA WSC	L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY	29	36	45	58	75	99
SMITHVILLE	K CARRIZO-WILCOX AQUIFER BASTROP COUNTY	1,848	2,006	2,338	2,480	2,480	2,480
COUNTY-OTHER	K CARRIZO-WILCOX AQUIFER BASTROP COUNTY	709	922	1,198	1,709	2,382	3,282
COUNTY-OTHER	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	744	744	744	744	744	744
MANUFACTURING	K CARRIZO-WILCOX AQUIFER BASTROP COUNTY	81	81	81	81	81	81
MANUFACTURING	K COLORADO OTHER LOCAL SUPPLY	48	48	48	48	48	48
MINING	K COLORADO OTHER LOCAL SUPPLY	8	7	7	9	9	9
MINING	K OTHER AQUIFER BASTROP COUNTY	2,110	2,110	2,110	2,110	2,110	2,110
STEAM ELECTRIC POWER	K CARRIZO-WILCOX AQUIFER BASTROP COUNTY	4,500	4,886	5,694	6,149	6,149	6,149
STEAM ELECTRIC POWER	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	12,220	11,834	11,026	10,571	10,571	10,571
LIVESTOCK	K COLORADO LIVESTOCK LOCAL SUPPLY	696	696	696	696	696	696
LIVESTOCK	K QUEEN CITY AQUIFER BASTROP COUNTY	218	218	218	218	218	218
LIVESTOCK	K SPARTA AQUIFER BASTROP COUNTY	442	442	442	442	442	442
IRRIGATION	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	852	742	649	565	492	443

EXISTING WATER SUPPLY

REGION K	SOURCE REGION SOURCE NAME	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
		2020	2030	2040	2050	2060	2070
BASTROP COUNTY							
COLORADO BASIN							
IRRIGATION	K QUEEN CITY AQUIFER BASTROP COUNTY	197	197	197	197	197	197
IRRIGATION	K SPARTA AQUIFER BASTROP COUNTY	147	147	147	147	147	147
COLORADO BASIN TOTAL EXISTING SUPPLY		35,508	36,394	38,205	39,736	40,449	41,438
GUADALUPE BASIN							
AQUA WSC	L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY	250	250	250	250	250	250
COUNTY-OTHER	K QUEEN CITY AQUIFER BASTROP COUNTY	35	35	35	35	35	35
MANUFACTURING	K CARRIZO-WILCOX AQUIFER BASTROP COUNTY	12	12	12	12	12	12
MANUFACTURING	L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY	5	5	5	5	5	5
MINING	K SPARTA AQUIFER BASTROP COUNTY	34	34	34	34	34	34
LIVESTOCK	K GUADALUPE LIVESTOCK LOCAL SUPPLY	72	72	72	72	72	72
IRRIGATION	K QUEEN CITY AQUIFER BASTROP COUNTY	41	41	41	41	41	41
GUADALUPE BASIN TOTAL EXISTING SUPPLY		449	449	449	449	449	449
BASTROP COUNTY TOTAL EXISTING SUPPLY		36,688	37,595	39,439	41,016	41,789	42,854
BLANCO COUNTY							
COLORADO BASIN							
JOHNSON CITY	K TRINITY AQUIFER BLANCO COUNTY	306	306	306	306	306	306
COUNTY-OTHER	K COLORADO OTHER LOCAL SUPPLY	49	55	57	56	56	56
COUNTY-OTHER	K ELLENBURGER-SAN SABA AQUIFER BLANCO COUNTY	249	249	249	249	249	249
COUNTY-OTHER	K HICKORY AQUIFER BLANCO COUNTY	76	76	76	76	76	76
COUNTY-OTHER	K TRINITY AQUIFER BLANCO COUNTY	332	332	332	332	332	332
MANUFACTURING	K TRINITY AQUIFER BLANCO COUNTY	15	15	15	15	15	15
MINING	K ELLENBURGER-SAN SABA AQUIFER BLANCO COUNTY	5	5	5	5	5	5
LIVESTOCK	K COLORADO LIVESTOCK LOCAL SUPPLY	101	101	101	101	101	101
LIVESTOCK	K ELLENBURGER-SAN SABA AQUIFER BLANCO COUNTY	255	255	255	255	255	255
LIVESTOCK	K TRINITY AQUIFER BLANCO COUNTY	82	82	82	82	82	82
IRRIGATION	K ELLENBURGER-SAN SABA AQUIFER BLANCO COUNTY	208	208	208	208	208	208
COLORADO BASIN TOTAL EXISTING SUPPLY		1,678	1,684	1,686	1,685	1,685	1,685
GUADALUPE BASIN							
BLANCO	K BLANCO LAKE/RESERVOIR	596	596	596	596	596	596
BLANCO	L CANYON LAKE/RESERVOIR	600	600	600	600	600	600
CANYON LAKE WATER SERVICE COMPANY	L CANYON LAKE/RESERVOIR	128	150	163	169	174	177
CANYON LAKE WATER SERVICE COMPANY	L TRINITY AQUIFER COMAL COUNTY	0	0	0	0	0	0
COUNTY-OTHER	K TRINITY AQUIFER BLANCO COUNTY	873	873	873	873	873	873
COUNTY-OTHER	L CANYON LAKE/RESERVOIR	60	60	60	60	60	60
MANUFACTURING	K TRINITY AQUIFER BLANCO COUNTY	5	5	5	5	5	5
LIVESTOCK	K GUADALUPE LIVESTOCK LOCAL SUPPLY	101	101	101	101	101	101
LIVESTOCK	K TRINITY AQUIFER BLANCO COUNTY	62	62	62	62	62	62

EXISTING WATER SUPPLY

REGION K	SOURCE REGION SOURCE NAME	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
		2020	2030	2040	2050	2060	2070
BURNET COUNTY							
COLORADO BASIN							
COUNTY-OTHER	K ELLENBURGER-SAN SABA AQUIFER BURNET COUNTY	1,363	1,363	1,363	1,363	1,363	1,363
COUNTY-OTHER	K HICKORY AQUIFER BURNET COUNTY	184	184	184	184	184	184
COUNTY-OTHER	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	2,205	2,205	2,205	2,205	2,205	2,205
COUNTY-OTHER	K MARBLE FALLS AQUIFER BURNET COUNTY	134	134	134	134	134	134
COUNTY-OTHER	K OTHER AQUIFER BURNET COUNTY	958	958	958	958	958	958
COUNTY-OTHER	K TRINITY AQUIFER BURNET COUNTY	477	477	477	477	477	477
MANUFACTURING	K COLORADO RUN-OF-RIVER	1,503	1,503	1,503	1,503	1,503	1,503
MANUFACTURING	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	500	500	500	500	500	500
MANUFACTURING	K TRINITY AQUIFER BURNET COUNTY	9	9	9	9	9	9
MINING	K ELLENBURGER-SAN SABA AQUIFER BURNET COUNTY	1	1	1	1	1	1
MINING	K OTHER AQUIFER BURNET COUNTY	2,351	2,351	2,351	2,351	2,351	2,351
MINING	K TRINITY AQUIFER BURNET COUNTY	4	4	4	4	4	4
LIVESTOCK	K COLORADO LIVESTOCK LOCAL SUPPLY	210	210	210	210	210	210
LIVESTOCK	K ELLENBURGER-SAN SABA AQUIFER BURNET COUNTY	311	311	311	311	311	311
LIVESTOCK	K HICKORY AQUIFER BURNET COUNTY	10	10	10	10	10	10
LIVESTOCK	K MARBLE FALLS AQUIFER BURNET COUNTY	40	40	40	40	40	40
LIVESTOCK	K TRINITY AQUIFER BURNET COUNTY	97	97	97	97	97	97
IRRIGATION	K COLORADO RUN-OF-RIVER	276	276	276	276	276	276
IRRIGATION	K ELLENBURGER-SAN SABA AQUIFER BURNET COUNTY	675	675	675	675	675	675
IRRIGATION	K HICKORY AQUIFER BURNET COUNTY	92	92	92	92	92	92
IRRIGATION	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	416	416	416	416	416	416
IRRIGATION	K TRINITY AQUIFER BURNET COUNTY	115	115	115	115	115	115
COLORADO BASIN TOTAL EXISTING SUPPLY		21,915	21,917	21,926	21,936	21,937	21,939
BURNET COUNTY TOTAL EXISTING SUPPLY		26,303	26,540	26,791	27,020	27,272	27,559
COLORADO COUNTY							
BRAZOS-COLORADO BASIN							
EAGLE LAKE	K GULF COAST AQUIFER COLORADO COUNTY	177	177	177	177	177	177
COUNTY-OTHER	K GULF COAST AQUIFER COLORADO COUNTY	210	210	210	210	210	210
MANUFACTURING	K GULF COAST AQUIFER COLORADO COUNTY	8	8	8	8	8	8
MINING	K GULF COAST AQUIFER COLORADO COUNTY	170	170	170	170	170	170
LIVESTOCK	K BRAZOS-COLORADO LIVESTOCK LOCAL SUPPLY	39	39	39	39	39	39
LIVESTOCK	K GULF COAST AQUIFER COLORADO COUNTY	164	164	164	164	164	164
IRRIGATION	K COLORADO RUN-OF-RIVER	18,162	18,162	18,162	18,162	18,162	18,162
IRRIGATION	K GULF COAST AQUIFER COLORADO COUNTY	9,735	9,735	9,735	9,735	9,735	9,735
BRAZOS-COLORADO BASIN TOTAL EXISTING SUPPLY		28,665	28,665	28,665	28,665	28,665	28,665
COLORADO BASIN							
COLUMBUS	K GULF COAST AQUIFER COLORADO COUNTY	1,150	1,150	1,150	1,150	1,150	1,150
EAGLE LAKE	K GULF COAST AQUIFER COLORADO COUNTY	402	402	402	402	402	402
WEIMAR	K GULF COAST AQUIFER COLORADO COUNTY	210	210	210	210	210	210

EXISTING WATER SUPPLY

REGION K	SOURCE REGION SOURCE NAME	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
		2020	2030	2040	2050	2060	2070
FAYETTE COUNTY							
COLORADO BASIN							
LIVESTOCK	K SPARTA AQUIFER FAYETTE COUNTY	733	733	733	733	733	733
IRRIGATION	K GULF COAST AQUIFER FAYETTE COUNTY	775	775	775	775	775	775
IRRIGATION	K SPARTA AQUIFER FAYETTE COUNTY	172	172	172	172	172	172
COLORADO BASIN TOTAL EXISTING SUPPLY		53,531	53,528	53,523	53,523	53,514	53,496
GUADALUPE BASIN							
FAYETTE WSC	K SPARTA AQUIFER FAYETTE COUNTY	57	57	57	57	57	57
FLATONIA	K CARRIZO-WILCOX AQUIFER FAYETTE COUNTY	61	61	61	61	60	60
FLATONIA	K YEGUA-JACKSON AQUIFER FAYETTE COUNTY	31	31	31	31	30	30
COUNTY-OTHER	K YEGUA-JACKSON AQUIFER FAYETTE COUNTY	76	76	76	76	76	76
MINING	K SPARTA AQUIFER FAYETTE COUNTY	60	60	60	60	60	60
LIVESTOCK	K GUADALUPE LIVESTOCK LOCAL SUPPLY	108	108	108	108	108	108
LIVESTOCK	K SPARTA AQUIFER FAYETTE COUNTY	179	179	179	179	179	179
IRRIGATION	K SPARTA AQUIFER FAYETTE COUNTY	62	62	62	62	62	62
GUADALUPE BASIN TOTAL EXISTING SUPPLY		634	634	634	634	632	632
LAVACA BASIN							
FAYETTE WSC	K SPARTA AQUIFER FAYETTE COUNTY	101	101	101	101	101	101
FLATONIA	K CARRIZO-WILCOX AQUIFER FAYETTE COUNTY	256	256	256	256	257	257
FLATONIA	K YEGUA-JACKSON AQUIFER FAYETTE COUNTY	131	131	131	131	132	132
SCHULENBURG	K GULF COAST AQUIFER FAYETTE COUNTY	706	706	706	706	706	706
SCHULENBURG	K YEGUA-JACKSON AQUIFER FAYETTE COUNTY	30	30	30	30	30	30
COUNTY-OTHER	K GULF COAST AQUIFER FAYETTE COUNTY	115	115	115	115	115	115
MANUFACTURING	K GULF COAST AQUIFER FAYETTE COUNTY	152	152	152	152	152	152
MINING	K GULF COAST AQUIFER FAYETTE COUNTY	10	10	10	10	10	10
LIVESTOCK	K GULF COAST AQUIFER FAYETTE COUNTY	176	176	176	176	176	176
LIVESTOCK	K LAVACA LIVESTOCK LOCAL SUPPLY	386	386	386	386	386	386
IRRIGATION	K GULF COAST AQUIFER FAYETTE COUNTY	181	181	181	181	181	181
LAVACA BASIN TOTAL EXISTING SUPPLY		2,244	2,244	2,244	2,244	2,246	2,246
FAYETTE COUNTY TOTAL EXISTING SUPPLY		56,409	56,406	56,401	56,401	56,392	56,374
GILLESPIE COUNTY							
COLORADO BASIN							
FREDERICKSBURG	K ELLENBURGER-SAN SABA AQUIFER GILLESPIE COUNTY	3,174	3,174	3,174	3,174	3,174	3,174
FREDERICKSBURG	K HICKORY AQUIFER GILLESPIE COUNTY	662	662	662	662	662	662
COUNTY-OTHER	K EDWARDS-TRINITY-PLATEAU AQUIFER GILLESPIE COUNTY	968	968	968	968	968	968
COUNTY-OTHER	K ELLENBURGER-SAN SABA AQUIFER GILLESPIE COUNTY	542	542	542	542	542	542
COUNTY-OTHER	K HICKORY AQUIFER GILLESPIE COUNTY	183	183	183	183	183	183
COUNTY-OTHER	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	56	56	56	56	56	56
COUNTY-OTHER	K TRINITY AQUIFER GILLESPIE COUNTY	566	566	566	566	566	566
MANUFACTURING	K COLORADO OTHER LOCAL SUPPLY	158	158	158	158	158	158

EXISTING WATER SUPPLY

REGION K	SOURCE REGION SOURCE NAME	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
		2020	2030	2040	2050	2060	2070
GILLESPIE COUNTY							
COLORADO BASIN							
MANUFACTURING	K EDWARDS-TRINITY-PLATEAU AQUIFER GILLESPIE COUNTY	34	34	34	34	34	34
MANUFACTURING	K ELLENBURGER-SAN SABA AQUIFER GILLESPIE COUNTY	398	398	398	398	398	398
MANUFACTURING	K HICKORY AQUIFER GILLESPIE COUNTY	150	150	150	150	150	150
MINING	K HICKORY AQUIFER GILLESPIE COUNTY	5	5	5	5	5	5
MINING	K TRINITY AQUIFER GILLESPIE COUNTY	50	50	50	50	50	50
LIVESTOCK	K COLORADO LIVESTOCK LOCAL SUPPLY	515	515	515	515	515	515
LIVESTOCK	K EDWARDS-TRINITY-PLATEAU AQUIFER GILLESPIE COUNTY	300	300	300	300	300	300
LIVESTOCK	K ELLENBURGER-SAN SABA AQUIFER GILLESPIE COUNTY	266	266	266	266	266	266
LIVESTOCK	K HICKORY AQUIFER GILLESPIE COUNTY	266	266	266	266	266	266
LIVESTOCK	K TRINITY AQUIFER GILLESPIE COUNTY	211	211	211	211	211	211
IRRIGATION	K EDWARDS-TRINITY-PLATEAU AQUIFER GILLESPIE COUNTY	163	163	163	163	163	163
IRRIGATION	K ELLENBURGER-SAN SABA AQUIFER GILLESPIE COUNTY	652	652	652	652	652	652
IRRIGATION	K HICKORY AQUIFER GILLESPIE COUNTY	210	210	210	210	210	210
IRRIGATION	K TRINITY AQUIFER GILLESPIE COUNTY	1,477	1,477	1,477	1,477	1,477	1,477
COLORADO BASIN TOTAL EXISTING SUPPLY		11,006	11,006	11,006	11,006	11,006	11,006
GUADALUPE BASIN							
COUNTY-OTHER	K EDWARDS-TRINITY-PLATEAU AQUIFER GILLESPIE COUNTY	90	90	90	90	90	90
COUNTY-OTHER	K TRINITY AQUIFER GILLESPIE COUNTY	5	5	5	5	5	5
LIVESTOCK	K GUADALUPE LIVESTOCK LOCAL SUPPLY	13	13	13	13	13	13
LIVESTOCK	K TRINITY AQUIFER GILLESPIE COUNTY	41	41	41	41	41	41
GUADALUPE BASIN TOTAL EXISTING SUPPLY		149	149	149	149	149	149
GILLESPIE COUNTY TOTAL EXISTING SUPPLY		11,155	11,155	11,155	11,155	11,155	11,155
HAYS COUNTY							
COLORADO BASIN							
AUSTIN		0	0	0	0	0	0
BUDA	K EDWARDS-BFZ AQUIFER HAYS COUNTY	549	549	549	549	549	549
BUDA	L CANYON LAKE/RESERVOIR	1,381	1,292	1,181	1,041	882	701
CIMARRON PARK WATER COMPANY	K EDWARDS-BFZ AQUIFER HAYS COUNTY	249	249	249	249	249	249
DRIPPING SPRINGS	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	506	506	506	506	506	506
DRIPPING SPRINGS WSC	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	1,126	1,126	1,126	1,126	1,126	1,126
DRIPPING SPRINGS WSC	K TRINITY AQUIFER HAYS COUNTY	400	400	400	400	400	400
MOUNTAIN CITY	K EDWARDS-BFZ AQUIFER HAYS COUNTY	57	56	54	54	54	54
PLUM CREEK WATER COMPANY	L TRINITY AQUIFER HAYS COUNTY	163	264	283	300	312	322
GOFORTH SUD	K EDWARDS-BFZ AQUIFER TRAVIS COUNTY	0	0	1	1	1	1
GOFORTH SUD	L EDWARDS-BFZ AQUIFER HAYS COUNTY	6	7	8	10	10	10
GOFORTH SUD	L TRINITY AQUIFER HAYS COUNTY	79	123	176	244	323	414

EXISTING WATER SUPPLY

REGION K	SOURCE REGION SOURCE NAME	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
		2020	2030	2040	2050	2060	2070
HAYS COUNTY							
COLORADO BASIN							
WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	4,521	4,521	4,521	4,521	4,521	4,521
COUNTY-OTHER	K EDWARDS-BFZ AQUIFER HAYS COUNTY	829	829	829	829	829	829
COUNTY-OTHER	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	1,401	1,401	1,401	1,401	1,401	1,401
COUNTY-OTHER	K TRINITY AQUIFER HAYS COUNTY	1,860	1,860	1,860	1,860	1,860	1,860
MANUFACTURING	K EDWARDS-BFZ AQUIFER HAYS COUNTY	583	583	583	583	583	583
MINING	K TRINITY AQUIFER HAYS COUNTY	314	314	314	314	314	314
LIVESTOCK	K COLORADO LIVESTOCK LOCAL SUPPLY	192	192	192	192	192	192
LIVESTOCK	K TRINITY AQUIFER HAYS COUNTY	30	30	30	30	30	30
IRRIGATION	K EDWARDS-BFZ AQUIFER HAYS COUNTY	10	10	10	10	10	10
IRRIGATION	K TRINITY AQUIFER HAYS COUNTY	430	430	430	430	430	430
COLORADO BASIN TOTAL EXISTING SUPPLY		14,686	14,742	14,703	14,650	14,582	14,502
HAYS COUNTY TOTAL EXISTING SUPPLY		14,686	14,742	14,703	14,650	14,582	14,502
LLANO COUNTY							
COLORADO BASIN							
KINGSLAND WSC	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	1,094	1,092	1,083	1,073	1,072	1,070
KINGSLAND WSC	K OTHER AQUIFER LLANO COUNTY	49	49	49	49	49	49
LLANO	K LLANO LAKE/RESERVOIR	417	417	417	417	417	417
SUNRISE BEACH VILLAGE	K ELLENBURGER-SAN SABA AQUIFER LLANO COUNTY	69	69	69	69	69	69
SUNRISE BEACH VILLAGE	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	200	200	200	200	200	200
HORSESHOE BAY	K DIRECT REUSE	368	368	368	368	368	368
HORSESHOE BAY	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	1,525	1,525	1,525	1,525	1,525	1,525
COUNTY-OTHER	K ELLENBURGER-SAN SABA AQUIFER LLANO COUNTY	115	115	115	115	115	115
COUNTY-OTHER	K HICKORY AQUIFER LLANO COUNTY	143	143	143	143	143	143
COUNTY-OTHER	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	3,586	3,586	3,586	3,586	3,586	3,586
COUNTY-OTHER	K OTHER AQUIFER LLANO COUNTY	412	412	412	412	412	412
MANUFACTURING	K HICKORY AQUIFER LLANO COUNTY	3	3	3	3	3	3
MINING	K ELLENBURGER-SAN SABA AQUIFER LLANO COUNTY	3	3	3	3	3	3
STEAM ELECTRIC POWER	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	2,500	2,500	2,500	2,500	2,500	2,500
LIVESTOCK	K COLORADO LIVESTOCK LOCAL SUPPLY	414	414	414	414	414	414
LIVESTOCK	K ELLENBURGER-SAN SABA AQUIFER LLANO COUNTY	20	20	20	20	20	20
LIVESTOCK	K HICKORY AQUIFER LLANO COUNTY	179	179	179	179	179	179
LIVESTOCK	K OTHER AQUIFER LLANO COUNTY	138	138	138	138	138	138
IRRIGATION	K COLORADO RUN-OF-RIVER	440	440	440	440	440	440
IRRIGATION	K HICKORY AQUIFER LLANO COUNTY	400	400	400	400	400	400
IRRIGATION	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	1,514	1,514	1,514	1,514	1,514	1,514
COLORADO BASIN TOTAL EXISTING SUPPLY		13,589	13,587	13,578	13,568	13,567	13,565
LLANO COUNTY TOTAL EXISTING SUPPLY		13,589	13,587	13,578	13,568	13,567	13,565

EXISTING WATER SUPPLY

REGION K	SOURCE REGION SOURCE NAME	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
		2020	2030	2040	2050	2060	2070
MATAGORDA COUNTY							
COLORADO-LAVACA BASIN							
IRRIGATION	K GULF COAST AQUIFER MATAGORDA COUNTY	13,000	13,000	13,000	13,000	13,000	13,000
COLORADO-LAVACA BASIN TOTAL EXISTING SUPPLY		21,985	21,985	21,985	21,985	21,985	21,985
MATAGORDA COUNTY TOTAL EXISTING SUPPLY		152,083	152,069	152,045	152,015	151,985	151,963
MILLS COUNTY							
BRAZOS BASIN							
GOLDTHWAITE	K TRINITY AQUIFER MILLS COUNTY	10	10	10	10	11	11
COUNTY-OTHER	K TRINITY AQUIFER MILLS COUNTY	128	128	128	128	128	128
MINING	K TRINITY AQUIFER MILLS COUNTY	2	2	2	2	2	2
LIVESTOCK	K BRAZOS LIVESTOCK LOCAL SUPPLY	321	321	321	321	321	321
IRRIGATION	K TRINITY AQUIFER MILLS COUNTY	810	810	810	810	810	810
BRAZOS BASIN TOTAL EXISTING SUPPLY		1,271	1,271	1,271	1,271	1,272	1,272
COLORADO BASIN							
BROOKESMITH SUD	F BROWNWOOD LAKE/RESERVOIR	8	8	8	8	8	8
GOLDTHWAITE	K TRINITY AQUIFER MILLS COUNTY	58	58	58	58	57	57
COUNTY-OTHER	K TRINITY AQUIFER MILLS COUNTY	331	331	331	331	331	331
MANUFACTURING	K TRINITY AQUIFER MILLS COUNTY	2	2	2	2	2	2
MINING	K TRINITY AQUIFER MILLS COUNTY	2	2	2	2	2	2
LIVESTOCK	K COLORADO LIVESTOCK LOCAL SUPPLY	360	360	360	360	360	360
LIVESTOCK	K ELLENBURGER-SAN SABA AQUIFER MILLS COUNTY	94	94	94	94	94	94
LIVESTOCK	K TRINITY AQUIFER MILLS COUNTY	169	169	169	169	169	169
IRRIGATION	K COLORADO RUN-OF-RIVER	2,378	2,378	2,378	2,378	2,378	2,378
IRRIGATION	K TRINITY AQUIFER MILLS COUNTY	76	76	76	76	76	76
COLORADO BASIN TOTAL EXISTING SUPPLY		3,478	3,478	3,478	3,478	3,477	3,477
MILLS COUNTY TOTAL EXISTING SUPPLY		4,749	4,749	4,749	4,749	4,749	4,749
SAN SABA COUNTY							
COLORADO BASIN							
RICHLAND SUD	K ELLENBURGER-SAN SABA AQUIFER SAN SABA COUNTY	112	113	112	111	112	113
RICHLAND SUD	K MARBLE FALLS AQUIFER SAN SABA COUNTY	187	188	188	185	187	189
SAN SABA	K COLORADO RUN-OF-RIVER	10	10	10	10	10	10
SAN SABA	K ELLENBURGER-SAN SABA AQUIFER SAN SABA COUNTY	1,040	1,040	1,040	1,040	1,040	1,040
COUNTY-OTHER	K ELLENBURGER-SAN SABA AQUIFER SAN SABA COUNTY	322	322	322	322	322	322
COUNTY-OTHER	K HICKORY AQUIFER SAN SABA COUNTY	165	165	165	165	165	165
COUNTY-OTHER	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	20	20	20	20	20	20
COUNTY-OTHER	K MARBLE FALLS AQUIFER SAN SABA COUNTY	24	24	24	24	24	24
MANUFACTURING	K MARBLE FALLS AQUIFER SAN SABA COUNTY	8	8	8	8	8	8
MINING	K HICKORY AQUIFER SAN SABA COUNTY	301	301	301	301	301	301
MINING	K MARBLE FALLS AQUIFER SAN SABA COUNTY	1,238	1,238	1,238	1,238	1,238	1,238
LIVESTOCK	K COLORADO LIVESTOCK LOCAL SUPPLY	900	900	900	900	900	900

EXISTING WATER SUPPLY

REGION K	SOURCE REGION SOURCE NAME	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
		2020	2030	2040	2050	2060	2070
TRAVIS COUNTY							
COLORADO BASIN							
MANVILLE WSC	G CARRIZO-WILCOX AQUIFER BURLESON COUNTY	753	748	733	722	705	689
MANVILLE WSC	G CARRIZO-WILCOX AQUIFER LEE COUNTY	2,794	2,775	2,717	2,678	2,615	2,170
MANVILLE WSC	G OTHER AQUIFER WILLIAMSON COUNTY	188	186	183	180	176	172
MANVILLE WSC	K COLORADO RUN-OF-RIVER	2,240	0	0	0	0	0
MANVILLE WSC	K EDWARDS-BFZ AQUIFER TRAVIS COUNTY	293	291	285	281	275	268
MANVILLE WSC	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	307	305	299	295	288	281
MANVILLE WSC	K TRINITY AQUIFER TRAVIS COUNTY	308	306	300	295	288	282
MUSTANG RIDGE	K EDWARDS-BFZ AQUIFER TRAVIS COUNTY	22	24	26	29	32	34
MUSTANG RIDGE	L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY	13	12	12	11	10	9
MUSTANG RIDGE	L EDWARDS-BFZ AQUIFER HAYS COUNTY	10	10	9	8	8	8
NORTH AUSTIN MUD #1	K COLORADO RUN-OF-RIVER	82	79	77	75	75	75
PFLUGERVILLE	G CARRIZO-WILCOX AQUIFER LEE COUNTY	0	0	0	0	0	0
PFLUGERVILLE	G CARRIZO-WILCOX AQUIFER MILAM COUNTY	0	0	0	0	0	0
PFLUGERVILLE	G EDWARDS-BFZ AQUIFER WILLIAMSON COUNTY	0	0	0	0	0	0
PFLUGERVILLE	G OTHER AQUIFER WILLIAMSON COUNTY	0	0	0	0	0	0
PFLUGERVILLE	K EDWARDS-BFZ AQUIFER TRAVIS COUNTY	1,856	1,856	1,856	1,856	1,856	1,856
PFLUGERVILLE	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	10,314	10,314	10,314	10,313	10,284	10,254
ROLLINGWOOD	K COLORADO RUN-OF-RIVER	384	0	0	0	0	0
SHADY HOLLOW MUD	K COLORADO RUN-OF-RIVER	779	758	741	731	730	730
THE HILLS	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	1,533	1,533	1,533	1,533	1,533	1,533
TRAVIS COUNTY WCID #17	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	8,027	8,027	8,027	8,027	8,027	8,027
TRAVIS COUNTY WCID #18	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	1,736	1,736	1,736	1,736	1,736	1,736
TRAVIS COUNTY WCID #19	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	498	496	494	493	493	493
TRAVIS COUNTY WCID #20	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	1,135	1,135	1,135	1,135	1,135	1,135
WELLS BRANCH MUD	K COLORADO RUN-OF-RIVER	1,638	1,602	1,577	1,563	1,559	1,558
WEST LAKE HILLS	K COLORADO RUN-OF-RIVER	1,605	0	0	0	0	0
WILLIAMSON-TRAVIS COUNTY MUD #1	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	113	83	62	48	37	29
WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	2,615	2,615	2,615	2,615	2,615	2,615
NORTHTOWN MUD	K COLORADO RUN-OF-RIVER	691	798	898	1,011	1,111	1,203
NORTHTOWN MUD	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	339	339	339	339	339	339
TRAVIS COUNTY MUD #4	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	3,818	3,820	3,822	3,823	3,823	3,823
TRAVIS COUNTY WCID #10	K COLORADO RUN-OF-RIVER	2,128	0	0	0	0	0
BEE CAVE	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	1,552	1,552	1,552	1,552	1,552	1,552
BRIARCLIFF	K HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	400	400	400	400	400	400

EXISTING WATER SUPPLY

REGION K	SOURCE REGION SOURCE NAME	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
		2020	2030	2040	2050	2060	2070
WHARTON COUNTY							
BRAZOS-COLORADO BASIN							
EAST BERNARD	K GULF COAST AQUIFER WHARTON COUNTY	457	457	457	457	457	457
COUNTY-OTHER	K GULF COAST AQUIFER WHARTON COUNTY	1,851	1,851	1,851	1,851	1,851	1,851
MANUFACTURING	K COLORADO RUN-OF-RIVER	700	700	700	700	700	700
MANUFACTURING	K GULF COAST AQUIFER WHARTON COUNTY	32	32	32	32	32	32
MINING	K GULF COAST AQUIFER WHARTON COUNTY	41	41	41	41	41	41
STEAM ELECTRIC POWER	K BRAZOS-COLORADO RUN-OF-RIVER	597	597	597	597	597	597
LIVESTOCK	K BRAZOS-COLORADO LIVESTOCK LOCAL SUPPLY	149	149	149	149	149	149
LIVESTOCK	K GULF COAST AQUIFER WHARTON COUNTY	222	222	222	222	222	222
IRRIGATION	K BRAZOS-COLORADO OTHER LOCAL SUPPLY	1,900	1,900	1,900	1,900	1,900	1,900
IRRIGATION	K COLORADO RUN-OF-RIVER	14,168	14,168	14,168	14,168	14,168	14,168
IRRIGATION	K GULF COAST AQUIFER WHARTON COUNTY	29,000	29,000	29,000	29,000	29,000	29,000
BRAZOS-COLORADO BASIN TOTAL EXISTING SUPPLY		50,810	50,810	50,810	50,810	50,810	50,810
COLORADO BASIN							
EL CAMPO	P GULF COAST AQUIFER WHARTON COUNTY	6	6	6	6	6	6
WHARTON	K GULF COAST AQUIFER WHARTON COUNTY	661	661	661	661	661	661
COUNTY-OTHER	K GULF COAST AQUIFER WHARTON COUNTY	1,106	1,106	1,106	1,106	1,106	1,106
COUNTY-OTHER	P GULF COAST AQUIFER WHARTON COUNTY	57	57	57	57	57	57
MINING	K GULF COAST AQUIFER WHARTON COUNTY	27	27	27	27	27	27
STEAM ELECTRIC POWER	K GULF COAST AQUIFER WHARTON COUNTY	2,400	2,400	2,400	2,400	2,400	2,400
LIVESTOCK	K COLORADO LIVESTOCK LOCAL SUPPLY	115	115	115	115	115	115
LIVESTOCK	K GULF COAST AQUIFER WHARTON COUNTY	171	171	171	171	171	171
IRRIGATION	K COLORADO RUN-OF-RIVER	15,259	15,259	15,259	15,259	15,259	15,259
IRRIGATION	K GULF COAST AQUIFER WHARTON COUNTY	27,000	27,000	27,000	27,000	27,000	27,000
COLORADO BASIN TOTAL EXISTING SUPPLY		46,802	46,802	46,802	46,802	46,802	46,802
COLORADO-LAVACA BASIN							
COUNTY-OTHER	K GULF COAST AQUIFER WHARTON COUNTY	274	274	274	274	274	274
MINING	K GULF COAST AQUIFER WHARTON COUNTY	6	6	6	6	6	6
LIVESTOCK	K COLORADO-LAVACA LIVESTOCK LOCAL SUPPLY	74	74	74	74	74	74
LIVESTOCK	K GULF COAST AQUIFER WHARTON COUNTY	113	113	113	113	113	113
IRRIGATION	K COLORADO RUN-OF-RIVER	4,460	4,460	4,460	4,460	4,460	4,460
IRRIGATION	K GULF COAST AQUIFER WHARTON COUNTY	11,060	11,060	11,060	11,060	11,060	11,060
COLORADO-LAVACA BASIN TOTAL EXISTING SUPPLY		15,987	15,987	15,987	15,987	15,987	15,987
LAVACA BASIN							
COUNTY-OTHER	K GULF COAST AQUIFER WHARTON COUNTY	21	21	21	21	21	21
LAVACA BASIN TOTAL EXISTING SUPPLY		21	21	21	21	21	21
WHARTON COUNTY TOTAL EXISTING SUPPLY		113,620	113,620	113,620	113,620	113,620	113,620
WILLIAMSON COUNTY							
BRAZOS BASIN							
AUSTIN	K COLORADO RUN-OF-RIVER	7,697	9,691	12,161	14,834	17,693	20,208
NORTH AUSTIN MUD #1	K COLORADO RUN-OF-RIVER	774	748	726	714	711	711

EXISTING WATER SUPPLY

REGION K	SOURCE REGION SOURCE NAME	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
		2020	2030	2040	2050	2060	2070
WILLIAMSON COUNTY							
BRAZOS BASIN							
WELLS BRANCH MUD	K COLORADO RUN-OF-RIVER	118	115	113	112	112	112
COUNTY-OTHER	G CARRIZO-WILCOX AQUIFER LEE COUNTY	0	0	0	0	0	0
COUNTY-OTHER	G CARRIZO-WILCOX AQUIFER MILAM COUNTY	0	0	0	0	0	0
COUNTY-OTHER	G EDWARDS-BFZ AQUIFER WILLIAMSON COUNTY	0	0	0	0	0	0
COUNTY-OTHER	G OTHER AQUIFER WILLIAMSON COUNTY	0	0	0	0	0	0
COUNTY-OTHER	K COLORADO RUN-OF-RIVER	2,586	3,504	3,467	3,451	3,444	3,441
COUNTY-OTHER	K EDWARDS-BFZ AQUIFER TRAVIS COUNTY	0	0	0	0	0	0
MINING	K TRINITY AQUIFER WILLIAMSON COUNTY	5	5	5	5	5	5
LIVESTOCK	K TRINITY AQUIFER WILLIAMSON COUNTY	1	1	1	1	1	1
BRAZOS BASIN TOTAL EXISTING SUPPLY		11,181	14,064	16,473	19,117	21,966	24,478
WILLIAMSON COUNTY TOTAL EXISTING SUPPLY		11,181	14,064	16,473	19,117	21,966	24,478
REGION K TOTAL EXISTING SUPPLY							
		994,780	996,967	999,552	997,071	991,744	986,997

FTCHVLCRWP WATER PLAN

APPENDIX ES.F
TWDB DB17 REPORT
Source Water Balance

SOURCE WATER BALANCE (AVAILABILITY - WUG SUPPLY)

REGION K									
GROUNDWATER	COUNTY	BASIN	SALINITY	SOURCE WATER BALANCE (ACRE-FEET PER YEAR)					
				2020	2030	2040	2050	2060	2070
GULF COAST AQUIFER	MATAGORDA	COLORADO-LAVACA	FRESH	185	185	185	185	185	185
GULF COAST AQUIFER	WHARTON	BRAZOS-COLORADO	FRESH	603	603	603	603	603	603
GULF COAST AQUIFER	WHARTON	COLORADO	FRESH	162	162	162	162	162	162
GULF COAST AQUIFER	WHARTON	COLORADO-LAVACA	FRESH	171	171	171	171	171	171
GULF COAST AQUIFER	WHARTON	LAVACA	FRESH	1,669	1,669	1,669	1,669	1,669	1,669
HICKORY AQUIFER	BLANCO	COLORADO	FRESH	1,086	1,086	1,086	1,086	1,086	1,086
HICKORY AQUIFER	BLANCO	GUADALUPE	FRESH	1	1	1	1	1	1
HICKORY AQUIFER	BURNET	BRAZOS	FRESH	0	0	0	0	0	0
HICKORY AQUIFER	BURNET	COLORADO	FRESH	1,862	1,862	1,862	1,862	1,862	1,862
HICKORY AQUIFER	GILLESPIE	COLORADO	FRESH	183	183	183	183	183	183
HICKORY AQUIFER	GILLESPIE	GUADALUPE	FRESH	0	0	0	0	0	0
HICKORY AQUIFER	LLANO	COLORADO	FRESH	1,293	1,293	1,293	1,293	1,293	1,293
HICKORY AQUIFER	MILLS	BRAZOS	FRESH	1	1	1	1	1	1
HICKORY AQUIFER	MILLS	COLORADO	FRESH	35	35	35	35	35	35
HICKORY AQUIFER	SAN SABA	COLORADO	FRESH	902	902	902	902	902	902
HICKORY AQUIFER	TRAVIS	BRAZOS	FRESH	0	0	0	0	0	0
HICKORY AQUIFER	TRAVIS	COLORADO	FRESH	22	22	22	22	22	22
MARBLE FALLS AQUIFER	BLANCO	COLORADO	FRESH	261	261	261	261	261	261
MARBLE FALLS AQUIFER	BURNET	BRAZOS	FRESH	93	93	93	93	93	93
MARBLE FALLS AQUIFER	BURNET	COLORADO	FRESH	1,711	1,711	1,711	1,711	1,711	1,711
MARBLE FALLS AQUIFER	SAN SABA	COLORADO	FRESH	5,401	5,401	5,401	5,401	5,401	5,401
OTHER AQUIFER	BURNET	BRAZOS	FRESH	1,230	1,000	758	539	287	0
OTHER AQUIFER	TRAVIS	GUADALUPE	FRESH	0	0	0	0	0	0
OTHER AQUIFER ALLUVIUM	BURNET	COLORADO	FRESH	363	363	363	363	363	363
OTHER AQUIFER ALLUVIUM	LLANO	COLORADO	FRESH	30	30	30	30	30	30
OTHER AQUIFER CITY OF BASTROP	BASTROP	COLORADO	FRESH	831	831	831	831	831	831
OTHER AQUIFER COUNTY-OTHER, IRRIGATION	TRAVIS	COLORADO	FRESH	112	112	112	112	112	112
OTHER AQUIFER FAYETTE WSC, COUNTY-OTHER	FAYETTE	COLORADO	FRESH	0	0	0	0	0	0
QUEEN CITY AQUIFER	BASTROP	BRAZOS	FRESH	194	548	169	166	166	166
QUEEN CITY AQUIFER	BASTROP	COLORADO	FRESH	244	1,211	184	176	175	175
QUEEN CITY AQUIFER	BASTROP	GUADALUPE	FRESH	116	465	137	140	140	140
QUEEN CITY AQUIFER	FAYETTE	COLORADO	FRESH	436	478	513	565	570	570
QUEEN CITY AQUIFER	FAYETTE	GUADALUPE	FRESH	0	0	0	0	0	0
SPARTA AQUIFER	BASTROP	BRAZOS	FRESH	65	170	58	55	55	55
SPARTA AQUIFER	BASTROP	COLORADO	FRESH	1,172	4,017	949	871	864	864
SPARTA AQUIFER	BASTROP	GUADALUPE	FRESH	53	194	45	42	41	41
SPARTA AQUIFER	FAYETTE	COLORADO	FRESH	1,534	1,579	1,599	1,651	1,667	1,667

SOURCE WATER BALANCE (AVAILABILITY - WUG SUPPLY)

REGION K									
GROUNDWATER	COUNTY	BASIN	SALINITY	SOURCE WATER BALANCE (ACRE-FEET PER YEAR)					
				2020	2030	2040	2050	2060	2070
SPARTA AQUIFER	FAYETTE	GUADALUPE	FRESH	73	73	72	75	77	77
TRINITY AQUIFER	BLANCO	COLORADO	FRESH	587	587	587	587	587	587
TRINITY AQUIFER	BLANCO	GUADALUPE	FRESH	204	204	204	204	204	204
TRINITY AQUIFER	BURNET	BRAZOS	FRESH	207	207	207	207	207	207
TRINITY AQUIFER	BURNET	COLORADO	FRESH	121	121	121	121	121	121
TRINITY AQUIFER	GILLESPIE	COLORADO	FRESH	178	178	178	178	178	178
TRINITY AQUIFER	GILLESPIE	GUADALUPE	FRESH	0	0	0	0	0	0
TRINITY AQUIFER	HAYS	COLORADO	FRESH	2,631	2,628	2,627	2,627	2,627	2,627
TRINITY AQUIFER	MILLS	BRAZOS	FRESH	333	333	333	333	333	333
TRINITY AQUIFER	MILLS	COLORADO	FRESH	480	480	480	480	480	480
TRINITY AQUIFER	TRAVIS	BRAZOS	FRESH	8	8	8	8	8	8
TRINITY AQUIFER	TRAVIS	COLORADO	FRESH	9,956	9,939	9,927	9,911	9,882	9,882
TRINITY AQUIFER	TRAVIS	GUADALUPE	FRESH	0	0	0	0	0	0
TRINITY AQUIFER	WILLIAMSON	BRAZOS	FRESH	151	151	151	151	151	151
TRINITY AQUIFER	WILLIAMSON	COLORADO	FRESH	61	61	61	61	61	61
YEGUA-JACKSON AQUIFER	FAYETTE	COLORADO	FRESH	3,771	3,771	3,771	3,771	3,771	3,771
YEGUA-JACKSON AQUIFER	FAYETTE	GUADALUPE	FRESH	429	429	429	429	429	429
YEGUA-JACKSON AQUIFER	FAYETTE	LAVACA	FRESH	0	0	0	0	0	0
GROUNDWATER TOTAL SOURCE WATER BALANCE				77,140	80,908	77,144	78,114	77,624	76,437
REGION K									
REUSE	COUNTY	BASIN	SALINITY	SOURCE WATER BALANCE (ACRE-FEET PER YEAR)					
				2020	2030	2040	2050	2060	2070
DIRECT REUSE	LLANO	COLORADO	FRESH	0	0	0	0	0	0
DIRECT REUSE	TRAVIS	COLORADO	FRESH	12,864	26,821	39,012	48,962	54,212	54,212
REUSE TOTAL SOURCE WATER BALANCE				12,864	26,821	39,012	48,962	54,212	54,212
REGION K									
SURFACE WATER	COUNTY	BASIN	SALINITY	SOURCE WATER BALANCE (ACRE-FEET PER YEAR)					
				2020	2030	2040	2050	2060	2070
BLANCO LAKE/RESERVOIR	RESERVOIR	GUADALUPE	FRESH	0	0	0	0	0	0
BRAZOS LIVESTOCK LOCAL SUPPLY	BASTROP	BRAZOS	FRESH	0	0	0	0	0	0
BRAZOS LIVESTOCK LOCAL SUPPLY	BURNET	BRAZOS	FRESH	0	0	0	0	0	0
BRAZOS LIVESTOCK LOCAL SUPPLY	MILLS	BRAZOS	FRESH	0	0	0	0	0	0
BRAZOS LIVESTOCK LOCAL SUPPLY	WILLIAMSON	BRAZOS	FRESH	1	1	1	1	1	1
BRAZOS-COLORADO LIVESTOCK LOCAL SUPPLY	COLORADO	BRAZOS-COLORADO	FRESH	164	164	164	164	164	164
BRAZOS-COLORADO LIVESTOCK LOCAL SUPPLY	MATAGORDA	BRAZOS-COLORADO	FRESH	335	335	335	335	335	335

SOURCE WATER BALANCE (AVAILABILITY - WUG SUPPLY)

REGION K									
SURFACE WATER	COUNTY	BASIN	SALINITY	SOURCE WATER BALANCE (ACRE-FEET PER YEAR)					
				2020	2030	2040	2050	2060	2070
COLORADO RUN-OF-RIVER	FAYETTE	COLORADO	FRESH	534	534	534	534	534	534
COLORADO RUN-OF-RIVER	GILLESPIE	COLORADO	FRESH	880	880	880	880	880	880
COLORADO RUN-OF-RIVER	HAYS	COLORADO	FRESH	41	41	41	41	41	41
COLORADO RUN-OF-RIVER	LLANO	COLORADO	FRESH	0	0	0	0	0	0
COLORADO RUN-OF-RIVER	MATAGORDA	COLORADO	FRESH	12,925	12,525	12,125	10,925	11,325	10,925
COLORADO RUN-OF-RIVER	MILLS	COLORADO	FRESH	0	0	0	0	0	0
COLORADO RUN-OF-RIVER	SAN SABA	COLORADO	FRESH	6,790	6,790	6,790	6,790	6,790	6,790
COLORADO RUN-OF-RIVER	TRAVIS	COLORADO	FRESH	0	0	0	0	0	0
COLORADO RUN-OF-RIVER	WHARTON	COLORADO	FRESH	1,175	1,175	1,175	1,175	1,175	1,175
COLORADO-LAVACA LIVESTOCK LOCAL SUPPLY	MATAGORDA	COLORADO-LAVACA	FRESH	493	493	493	493	493	493
COLORADO-LAVACA LIVESTOCK LOCAL SUPPLY	WHARTON	COLORADO-LAVACA	FRESH	6	6	6	6	6	6
COLORADO-LAVACA RUN-OF-RIVER	MATAGORDA	COLORADO-LAVACA	FRESH	0	0	0	0	0	0
GOLDTHWAITE LAKE/RESERVOIR	RESERVOIR	COLORADO	FRESH	0	0	0	0	0	0
GUADALUPE LIVESTOCK LOCAL SUPPLY	BASTROP	GUADALUPE	FRESH	0	0	0	0	0	0
GUADALUPE LIVESTOCK LOCAL SUPPLY	BLANCO	GUADALUPE	FRESH	28	28	28	28	28	28
GUADALUPE LIVESTOCK LOCAL SUPPLY	FAYETTE	GUADALUPE	FRESH	0	0	0	0	0	0
GUADALUPE LIVESTOCK LOCAL SUPPLY	GILLESPIE	GUADALUPE	FRESH	19	19	19	19	19	19
GUADALUPE LIVESTOCK LOCAL SUPPLY	TRAVIS	GUADALUPE	FRESH	0	0	0	0	0	0
GUADALUPE RUN-OF-RIVER	BLANCO	GUADALUPE	FRESH	0	0	0	0	0	0
HIGHLAND LAKES LAKE/RESERVOIR SYSTEM	RESERVOIR	COLORADO	FRESH	56,313	51,116	46,271	44,583	44,174	43,716
LAVACA LIVESTOCK LOCAL SUPPLY	COLORADO	LAVACA	FRESH	288	288	288	288	288	288
LAVACA LIVESTOCK LOCAL SUPPLY	FAYETTE	LAVACA	FRESH	0	0	0	0	0	0
LAVACA RUN-OF-RIVER	COLORADO	LAVACA	FRESH	0	0	0	0	0	0
LAVACA RUN-OF-RIVER	FAYETTE	LAVACA	FRESH	20	20	20	20	20	20
LLANO LAKE/RESERVOIR	RESERVOIR	COLORADO	FRESH	0	0	0	0	0	0
SURFACE WATER TOTAL SOURCE WATER BALANCE				151,955	145,747	139,846	136,345	135,664	134,035
REGION K TOTAL SOURCE WATER BALANCE				241,959	253,476	256,002	263,421	267,500	264,684

FTCHVLCRWPG WATER PLAN

**APPENDIX ES.G
TWDB DB17 REPORT
WUG (Needs)/Surplus**

WUG (NEEDS)/SURPLUS

REGION K	WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
BASTROP COUNTY						
BRAZOS BASIN						
AQUA WSC	260	234	200	153	89	2
LEE COUNTY WSC	102	111	128	152	182	217
COUNTY-OTHER	67	60	51	38	22	0
MINING	(173)	(409)	(450)	(496)	(545)	(600)
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	0	6	12	17	21	24
COLORADO BASIN						
AQUA WSC	(2,534)	(4,656)	(7,145)	(11,210)	(17,667)	(26,269)
BASTROP	(30)	(671)	(1,519)	(2,685)	(4,274)	(6,390)
BASTROP COUNTY WCID #2	753	643	541	320	(93)	(644)
CREEDMOOR-MAHA WSC	16	12	5	0	0	0
ELGIN	(472)	(732)	(1,013)	(1,533)	(2,432)	(3,631)
LEE COUNTY WSC	137	148	172	207	248	291
POLONIA WSC	0	0	0	0	0	0
SMITHVILLE	1,006	932	953	663	70	(721)
COUNTY-OTHER	(361)	(519)	(739)	(907)	(1,158)	(1,490)
MANUFACTURING	(55)	(87)	(120)	(151)	(174)	(199)
MINING	(449)	(3,947)	(4,556)	(5,235)	(5,967)	(6,777)
STEAM ELECTRIC POWER	2,720	0	0	0	0	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	435	423	413	404	397	391
GUADALUPE BASIN						
AQUA WSC	185	167	143	110	64	4
COUNTY-OTHER	0	1	3	4	6	8
MANUFACTURING	7	6	4	2	1	0
MINING	(110)	(306)	(341)	(379)	(420)	(466)
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	0	6	10	14	17	20
BLANCO COUNTY						
COLORADO BASIN						
JOHNSON CITY	(48)	(105)	(138)	(155)	(167)	(175)
COUNTY-OTHER	130	49	2	(24)	(42)	(55)
MANUFACTURING	0	0	0	0	0	0
MINING	0	0	0	0	0	0
LIVESTOCK	3	3	3	3	3	3
IRRIGATION	29	40	51	56	59	65
GUADALUPE BASIN						
BLANCO	831	773	740	723	710	702
CANYON LAKE WATER SERVICE COMPANY	0	0	0	0	0	0
COUNTY-OTHER	545	486	454	437	423	415
MANUFACTURING	0	0	0	0	0	0
LIVESTOCK	34	34	34	34	34	34
IRRIGATION	39	44	48	51	52	55
BURNET COUNTY						
BRAZOS BASIN						
BERTRAM	(40)	(118)	(184)	(249)	(307)	(358)
BURNET	6	5	4	2	1	0

WUG (NEEDS)/SURPLUS

REGION K	WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
BURNET COUNTY						
BRAZOS BASIN						
CHISHOLM TRAIL SUD	(33)	(48)	(64)	(77)	(90)	(100)
KEMPNER WSC	(27)	(45)	(62)	(80)	(97)	(114)
COUNTY-OTHER	412	198	20	(158)	(318)	(460)
MINING	0	0	0	0	0	0
LIVESTOCK	205	205	205	205	205	205
IRRIGATION	89	89	89	89	89	89
COLORADO BASIN						
BURNET	2,273	1,920	1,621	1,329	1,066	836
COTTONWOOD SHORES	268	226	191	156	124	96
GRANITE SHOALS	177	62	(38)	(137)	(226)	(306)
HORSESHOE BAY	101	(201)	(454)	(697)	(912)	(1,098)
KINGSLAND WSC	10	4	5	9	3	0
MARBLE FALLS	668	(369)	(1,839)	(2,609)	(3,127)	(3,386)
MEADOWLAKES	(207)	(379)	(525)	(665)	(788)	(896)
COUNTY-OTHER	2,981	2,929	3,215	3,104	2,905	2,623
MANUFACTURING	903	764	628	510	376	230
MINING	(1,011)	(1,703)	(2,428)	(3,085)	(3,841)	(4,703)
LIVESTOCK	144	144	144	144	144	144
IRRIGATION	623	623	623	623	623	623
COLORADO COUNTY						
BRAZOS-COLORADO BASIN						
EAGLE LAKE	17	16	16	11	6	0
COUNTY-OTHER	56	55	54	51	45	40
MANUFACTURING	4	4	4	4	3	3
MINING	10	9	7	5	4	2
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	(21,628)	(20,296)	(19,000)	(17,738)	(16,511)	(15,316)
COLORADO BASIN						
COLUMBUS	15	(15)	(36)	(80)	(122)	(163)
EAGLE LAKE	39	36	35	25	12	0
WEIMAR	27	23	20	13	7	0
COUNTY-OTHER	(121)	(127)	(130)	(158)	(191)	(226)
MANUFACTURING	9	8	7	6	5	4
MINING	307	258	208	158	107	57
LIVESTOCK	65	65	65	65	65	65
IRRIGATION	(5,126)	(4,371)	(3,636)	(2,921)	(2,225)	(1,548)
LAVACA BASIN						
WEIMAR	56	47	41	27	13	0
COUNTY-OTHER	615	612	612	602	592	580
MANUFACTURING	448	423	400	381	347	309
MINING	14	11	8	6	3	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	(32,200)	(29,826)	(27,516)	(25,268)	(23,081)	(20,952)
FAYETTE COUNTY						
COLORADO BASIN						
AQUA WSC	2	1	1	1	0	0
FAYETTE WSC	266	196	150	110	74	45

WUG (NEEDS)/SURPLUS

REGION K	WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
FAYETTE COUNTY						
COLORADO BASIN						
LA GRANGE	429	335	274	219	171	132
LEE COUNTY WSC	343	324	309	299	282	258
COUNTY-OTHER	(74)	(157)	(210)	(259)	(306)	(345)
MINING	(1,576)	(1,176)	(717)	(274)	179	186
STEAM ELECTRIC POWER	10,286	10,286	8,186	1,886	(2,614)	(7,414)
LIVESTOCK	716	716	716	716	716	716
IRRIGATION	567	592	615	636	655	671
GUADALUPE BASIN						
FAYETTE WSC	15	11	8	5	3	1
FLATONIA	28	21	16	12	7	4
COUNTY-OTHER	38	35	33	30	28	26
MINING	(66)	(42)	(13)	15	42	43
LIVESTOCK	179	179	179	179	179	179
IRRIGATION	0	4	7	11	14	17
LAVACA BASIN						
FAYETTE WSC	25	18	12	7	3	0
FLATONIA	117	86	66	48	33	21
SCHULENBURG	1	(85)	(142)	(191)	(234)	(267)
COUNTY-OTHER	(198)	(228)	(246)	(264)	(281)	(294)
MANUFACTURING	(206)	(243)	(279)	(310)	(349)	(391)
MINING	(344)	(274)	(195)	(119)	(40)	(39)
LIVESTOCK	176	176	176	176	176	176
IRRIGATION	0	11	23	32	41	49
GILLESPIE COUNTY						
COLORADO BASIN						
FREDERICKSBURG	690	509	360	164	(30)	(222)
COUNTY-OTHER	559	486	424	325	217	107
MANUFACTURING	(309)	(362)	(411)	(452)	(536)	(626)
MINING	51	51	51	51	51	51
LIVESTOCK	528	528	528	528	528	528
IRRIGATION	444	471	499	524	549	574
GUADALUPE BASIN						
COUNTY-OTHER	28	26	24	20	16	12
LIVESTOCK	22	22	22	22	22	22
HAYS COUNTY						
COLORADO BASIN						
AUSTIN	(13)	(127)	(249)	(631)	(1,519)	(2,749)
BUDA	161	(667)	(1,690)	(2,974)	(4,429)	(6,088)
CIMARRON PARK WATER COMPANY	0	8	15	19	20	20
DRIPPING SPRINGS	27	(31)	(104)	(198)	(307)	(432)
DRIPPING SPRINGS WSC	993	846	665	435	173	(126)
GOFORTH SUD	0	0	0	0	0	0
MOUNTAIN CITY	0	0	0	0	0	0
PLUM CREEK WATER COMPANY	0	0	0	0	0	0
WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY	428	(1,237)	(3,274)	(5,822)	(8,705)	(11,987)
COUNTY-OTHER	983	394	(530)	(1,587)	(2,489)	(3,382)
MANUFACTURING	236	185	134	88	46	0

WUG (NEEDS)/SURPLUS

REGION K	WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
HAYS COUNTY						
COLORADO BASIN						
MINING	(531)	(761)	(1,047)	(1,131)	(1,340)	(1,579)
LIVESTOCK	2	2	2	2	2	2
IRRIGATION	333	333	333	333	333	333
LLANO COUNTY						
COLORADO BASIN						
HORSESHOE BAY	39	(50)	(41)	(4)	(67)	(133)
KINGSLAND WSC	237	123	131	173	90	1
LLANO	(445)	(475)	(461)	(439)	(467)	(496)
SUNRISE BEACH VILLAGE	195	197	199	201	201	201
COUNTY-OTHER	3,646	3,702	3,703	3,689	3,723	3,756
MANUFACTURING	0	0	0	0	0	0
MINING	0	0	0	0	0	0
STEAM ELECTRIC POWER	0	0	0	0	0	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	418	452	484	514	544	573
MATAGORDA COUNTY						
BRAZOS-COLORADO BASIN						
BAY CITY	1,878	1,826	1,811	1,766	1,724	1,689
COUNTY-OTHER	146	143	148	145	134	124
MANUFACTURING	173	143	116	93	52	9
MINING	2	0	14	25	36	43
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	(70,487)	(67,962)	(65,505)	(63,114)	(60,787)	(58,523)
COLORADO BASIN						
BAY CITY	4	4	4	4	4	4
COUNTY-OTHER	332	331	332	331	329	327
MANUFACTURING	3,885	3,184	2,523	1,979	1,021	0
MINING	1	0	2	4	6	7
STEAM ELECTRIC POWER	(25,363)	(25,377)	(25,401)	(25,431)	(25,461)	(25,483)
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	(12,024)	(11,663)	(11,312)	(10,971)	(10,639)	(10,315)
COLORADO-LAVACA BASIN						
PALACIOS	385	373	370	364	354	346
COUNTY-OTHER	85	83	86	84	76	69
MANUFACTURING	40	33	26	20	11	0
MINING	1	0	9	16	23	28
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	(84,037)	(81,218)	(78,474)	(75,804)	(73,206)	(70,678)
MILLS COUNTY						
BRAZOS BASIN						
GOLDTHWAITE	0	0	0	0	0	0
COUNTY-OTHER	(16)	(15)	(14)	(18)	(23)	(29)
MINING	0	0	0	0	0	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	(605)	(575)	(545)	(516)	(487)	(460)
COLORADO BASIN						
BROOKESMITH SUD	0	0	0	0	0	0

WUG (NEEDS)/SURPLUS

REGION K	WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MILLS COUNTY						
COLORADO BASIN						
GOLDTHWAITE	(293)	(296)	(298)	(309)	(322)	(339)
COUNTY-OTHER	90	92	94	87	78	68
MANUFACTURING	0	0	0	0	0	0
MINING	0	0	0	0	0	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	795	831	866	901	934	965
SAN SABA COUNTY						
COLORADO BASIN						
RICHLAND SUD	131	129	131	131	131	130
SAN SABA	(88)	(128)	(124)	(99)	(125)	(152)
COUNTY-OTHER	215	211	217	222	216	209
MANUFACTURING	0	0	0	0	0	0
MINING	451	446	595	639	675	701
LIVESTOCK	27	27	27	27	27	27
IRRIGATION	461	639	812	982	1,144	1,291
TRAVIS COUNTY						
COLORADO BASIN						
AQUA WSC	721	584	447	286	138	0
AUSTIN	108,594	75,073	30,696	(600)	(28,302)	(60,445)
BARTON CREEK WEST WSC	328	333	336	337	338	338
BEE CAVE	(225)	(491)	(745)	(1,030)	(1,282)	(1,518)
BRIARCLIFF	140	105	72	32	(3)	(36)
CEDAR PARK	(849)	(985)	(1,148)	(1,156)	(1,165)	(1,176)
CREEDMOOR-MAHA WSC	160	59	(43)	(171)	(309)	(445)
ELGIN	0	(101)	(196)	(305)	(402)	(493)
JONESTOWN	(93)	(113)	(133)	(158)	(182)	(206)
LAGO VISTA	1,583	1,266	963	619	311	23
LAKEWAY	(2,365)	(4,503)	(4,481)	(4,469)	(4,464)	(4,463)
LEANDER	68	(1,224)	(3,282)	(4,153)	(4,544)	(4,937)
LOOP 360 WSC	76	30	(14)	(66)	(113)	(157)
LOST CREEK MUD	0	0	0	0	0	0
MANOR	1,116	(443)	(843)	(1,294)	(1,694)	(2,067)
MANVILLE WSC	3,899	1,007	316	(434)	(1,152)	(2,212)
MUSTANG RIDGE	0	0	0	0	0	0
NORTH AUSTIN MUD #1	0	0	0	0	0	0
NORTHTOWN MUD	339	339	339	339	339	339
PFLUGERVILLE	(605)	(4,935)	(9,073)	(13,727)	(17,872)	(21,741)
POINT VENTURE	13	(83)	(174)	(278)	(369)	(455)
ROLLINGWOOD	0	(379)	(376)	(375)	(376)	(378)
ROUND ROCK	(31)	(90)	(151)	(221)	(279)	(332)
SHADY HOLLOW MUD	0	0	0	0	0	0
SUNSET VALLEY	27	27	27	27	27	27
THE HILLS	84	89	92	94	95	95
TRAVIS COUNTY MUD #4	1,207	810	435	13	(361)	(710)
TRAVIS COUNTY WCID #10	0	(2,428)	(2,715)	(3,044)	(3,341)	(3,619)
TRAVIS COUNTY WCID #17	(424)	(2,026)	(2,990)	(3,160)	(3,452)	(3,815)
TRAVIS COUNTY WCID #18	613	469	329	163	11	(131)

WUG (NEEDS)/SURPLUS

REGION K	WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
TRAVIS COUNTY						
COLORADO BASIN						
TRAVIS COUNTY WCID #19	0	0	0	0	0	0
TRAVIS COUNTY WCID #20	545	548	551	552	553	553
VOLENTE	0	(13)	(25)	(40)	(54)	(66)
WELLS BRANCH MUD	0	0	0	0	0	0
WEST LAKE HILLS	41	(1,550)	(1,539)	(1,533)	(1,532)	(1,532)
WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY	248	(105)	(442)	(823)	(1,159)	(1,473)
WILLIAMSON-TRAVIS COUNTY MUD #1	(40)	(66)	(85)	(99)	(109)	(117)
COUNTY-OTHER	10,613	10,963	11,278	11,790	12,505	13,139
MANUFACTURING	0	0	0	0	0	0
MINING	0	0	0	0	0	0
STEAM ELECTRIC POWER	2,626	(1,374)	(1,374)	(6,543)	(14,043)	(21,530)
LIVESTOCK	3	3	3	3	3	3
IRRIGATION	810	1,157	1,475	1,768	2,035	2,247
GUADALUPE BASIN						
CREEDMOOR-MAHA WSC	0	0	0	0	0	0
GOFORTH SUD	0	0	0	0	0	0
MUSTANG RIDGE	0	0	0	0	0	0
COUNTY-OTHER	94	86	78	75	74	70
MINING	0	0	0	0	0	0
LIVESTOCK	0	0	0	0	0	0
WHARTON COUNTY						
BRAZOS-COLORADO BASIN						
EAST BERNARD	77	62	51	39	25	12
WHARTON	590	553	524	488	447	410
COUNTY-OTHER	642	617	596	550	506	467
MANUFACTURING	229	195	160	131	84	33
MINING	2	0	11	18	27	32
STEAM ELECTRIC POWER	246	184	109	17	(94)	(200)
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	(69,536)	(66,452)	(63,453)	(60,534)	(57,693)	(54,929)
COLORADO BASIN						
EL CAMPO	0	0	0	0	0	0
WHARTON	93	73	58	39	19	0
COUNTY-OTHER	583	571	560	538	518	498
MINING	1	0	7	12	17	21
STEAM ELECTRIC POWER	0	0	0	0	0	0
LIVESTOCK	9	9	9	9	9	9
IRRIGATION	(19,287)	(17,632)	(16,021)	(14,453)	(12,927)	(11,443)
COLORADO-LAVACA BASIN						
COUNTY-OTHER	88	84	80	73	67	61
MINING	0	0	1	3	4	4
LIVESTOCK	107	107	107	107	107	107
IRRIGATION	(20,559)	(19,589)	(18,644)	(17,725)	(16,831)	(15,960)
LAVACA BASIN						
COUNTY-OTHER	3	3	2	1	1	0

WUG (NEEDS)/SURPLUS

REGION K	WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
WILLIAMSON COUNTY						
BRAZOS BASIN						
AUSTIN	0	150	320	517	567	0
NORTH AUSTIN MUD #1	0	0	0	0	0	0
WELLS BRANCH MUD	0	0	0	0	0	0
COUNTY-OTHER	0	0	0	0	0	0
MINING	0	2	2	2	2	2
LIVESTOCK	0	0	0	0	0	0