

September 10, 2018

Ron Ellis  
Texas Water Development Board  
1700 N. Congress Ave.  
Austin, TX 78711-3231

Subject: North East Texas Regional Water Planning Group (Region D) Technical Memorandum

Dear Mr. Ellis:

Carollo Engineers, Inc., is pleased to submit this Technical Memorandum on behalf of the North East Texas Regional Water Planning Group (NETRWPG) - Region D, in order to meet the contractual and TWDB requirements specified in the Scope of Work Task 4C, as referenced in Section 13.1.1 of the *Second Amended General Guidelines for Fifth Cycle of Regional Water Plan Development (April 2018)*. This Technical Memorandum was authorized for submittal by the NETRWPG at the August 8, 2018 meeting of the Group in Mount Pleasant, Texas.

The attached reports comprising the main body of this submittal are the preliminary output of Region D analyses from the Regional Water Planning Application (DB22), as prepared by the Region D consultants and generated by TWDB staff on July 25, 2018. Ongoing work and revisions by the consultants, and by the other regional water planning groups, will likely necessitate further modifications to the amounts reflected herein.

If any additional information is necessary, please feel free to reach out at your convenience. Thank you again for the opportunity to participate in this important process for the North East Texas Region.

Sincerely,

CAROLLO ENGINEERS, INC.

Tony L. Smith, P.E.  
Associate Vice President  
Carollo Engineers, Inc.

tls

Enclosures

cc: Richard LeTourneau  
Walt Sears  
Stan Hayes

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Provided herein are descriptions of the reports and information comprising the required content submitted by the NETRWPG.

### **1. TWDB DB22 Population Projection (A) and Water Demand (B) Reports (by WUG, County, and River Basin)**

Per Texas Administrative Code (TAC) §357.31(a), included are two DB22 reports reflecting the Region D decadal population and demand projections by WUG, county, and river basin. It should be noted that additional analyses of contractual demands for Wholesale Water Providers (WWPs), will be performed and evaluated in a manner consistent with TWDB guidelines, and will be reported in the Final 2021 Region D Plan. An example of such contractual demands is the projected raw water demands growing from 30 million gallons per day (mgd) in 2020 to 90 mgd by 2070, as specified by contract between the Riverbend Water Resources District (RWRD) and TexAmericas Center (TAC). At present, these contract amounts have been entered as contractual demands within DB22 for analysis.

### **2. TWDB DB22 Source Water Availability Report**

Per TAC §357.32 (a)(1);(g), included is the DB22 report of Region D water availability by source, location, and decade.

Per request by RWRD, It is noted herein that RWRD is currently conducting an update of the Water Availability Model for the Sulphur River Basin that will further determine water supply availability. A primary objective of this update is to provide an additional 20-years of data to the model, updating the underlying naturalized flows in the model to appropriately characterize more recent hydrologic conditions than those found in the 1940 - 1996 period represented in the current official TCEQ Sulphur WAM. It is the intent that this update would provide decision-makers with the best information available to know how much water is, or would be, available in the Sulphur River Basin, and that data provided in the updated WAM would further confirm or disaffirm the existence of a new drought of record. Although not complete at this point, there is the possibility that this updated WAM will be brought forward for the NETRWPG's consideration and potential use after submittal of this Technical Memorandum, and prior to development of the Region D Initially Prepared Plan.

### **3. TWDB DB22 Existing Water Supplies Report (by WUG, County, and River Basin)**

Per TAC §357.32 (a)(1);(g), included is the DB22 report of Region D existing water supplies by WUG, source, county, river basin, and decade.

It should be noted that no groundwater conservation district exists within the Region D Planning Area. Thus, per TAC §357.32 (d)(2), the RWPG shall determine the availability of groundwater for regional planning purposes. This process entails review and consideration of approval by the TWDB of RWPG-Estimated Groundwater Availability, prior to inclusion in the Initially Prepared Plan (IPP), including determining if the estimate is physically compatible with the desired future conditions for relevant aquifers in groundwater conservation districts in the co-located groundwater management area or areas.

Since this process is not required to occur until inclusion in the IPP, at present no estimates of groundwater availability beyond the presently identified Modeled Available Groundwater (MAG) amounts have been estimated by the NETRWPG. Thus, for those instances where existing groundwater supplies exceed the applicable MAG, the supplies have been reduced such that no MAG exceedances occur. This is due to the TWDB requirement that the TWDB DB22 Source Water Balance report have a total that has to be zero or

greater than zero. The result of this reduction is that supplies for these entities appear, in this Technical Memorandum, to be less than what actually exists for these entities at present, and resultant identified needs greater. These instances will be rectified through the aforementioned process of development and submittal of the NETRWPG Estimated Groundwater Availability for TWDB review and consideration of approval prior to inclusion in the Region D IPP.

It is also important to note that present surface water supplies as identified herein employ the latest information regarding sedimentation rates affecting reservoir storage within Region D, and an updated methodology for quantifying the distribution of sediment within these reservoirs. Significant concerns have been expressed by RWRD as to the magnitude of sedimentation effects identified in the most recent (2010) volumetric and sedimentation survey performed by TWDB. At present, the results of this survey have been employed for the characterization of sedimentation effects on Lake Wright Patman; however, RWRD is performing an updated volumetric and sedimentation study on the lake. Although not complete at this point, there is the possibility that the results of this more recent RWRD study will be brought forward by RWRD for the NETRWPG's consideration and potential use after submittal of this Technical Memorandum, and prior to development of the Region D Initially Prepared Plan.

#### **4. TWDB DB22 Identified Water Needs/Surpluses Report (by WUG, County, and River Basin)**

Per TAC §357.33(b);(d), included is the DB22 report of Region D identified water needs and/or surpluses by WUG, county, river basin, and decade.

As noted previously, in those instances where existing groundwater supplies have been determined to be greater than the applicable MAG amounts, the groundwater supplies have been reduced such that the MAGs are not presently exceeded. This results in greater identified needs for these entities, which will be rectified through the aforementioned development and submittal of the NETRWPG Estimated Groundwater Availability for TWDB review and consideration of approval prior to inclusion in the Region D IPP.

#### **5. TWDB DB22 WUG Category Summary Report**

As contractually required, included is the DB22 report of decadal population and water demand projections, supplies, and needs by Water User Group (WUG) category.

#### **6. TWDB DB22 Source Water Balance Report**

As contractually required, included is the DB22 report of source availability compared to total water use.

As noted previously, in those instances where existing groundwater supplies have been determined to be greater than the applicable MAG amounts, the groundwater supplies have been reduced such that the MAGs are not presently exceeded. Thus, the total is either zero or greater than zero as required by TWDB guidelines. This results in greater identified needs for these entities, which will be rectified through the aforementioned development and submittal of the NETRWPG Estimated Groundwater Availability for TWDB review and consideration of approval prior to inclusion in the Region D IPP. There is one instance for a source from the Sabine River Authority (Lake Tawakoni) where the source water balance is less than zero. Responsibility for data entry for this entity resides with Region I, which at the time of this memorandum has not updated the relevant portions of DB22 affecting the amounts reported herein. At such time as Region I updates these data, the resultant source water balance will be evaluated to ensure no over-allocation.

## **7. TWDB DB22 Comparison of Availability, Supply, Demands, and Needs to 2016 Region D Plan**

Per contractual requirement, included are the DB22 reports of Region D sources at an aggregated level and WUG supplies, demands, and needs at a county level.

## **8. Model Modification Assumptions**

Per TWDB guidance, for approved modifications to reservoir or reservoir system firm yield, reallocated annual MAG volumes, or use of MAG Peak Factors, model modification assumptions for the purposes of the 2021 Region D Plan are included herein. The total value of the original unmodified firm yield or MAG is reported along with the alternative availability utilized as the basis for Region D planning.

### *Pat Mayse Reservoir*

The original unmodified WAM Run 3 firm yield calculated for Pat Mayse Reservoir is 59,640 ac-ft per year. The alternative source availability being used for the purposes of the 2021 Region D Plan is 59,670.

### *Lake Crook*

The original unmodified WAM Run 3 firm yield calculated for Lake Crook is 16,450 ac-ft per year. The alternative source availability being used for the purposes of the 2021 Region D Plan is 7,290.

### *Lake Chapman*

The original unmodified WAM Run 3 firm yield calculated for Lake Chapman is 118,360 ac-ft per year. The alternative source availability, prior to sedimentation effects, being used for the purposes of the 2021 Region D Plan is 118,350 ac-ft/yr.

## **9. Region D Process for Identification of Potentially Feasible WMSs**

At its February 1, 2018 public meeting held in Mount Pleasant, Texas, the NETRWPG adopted a process for identifying potentially feasible Water Management Strategies (WMS). The process was documented and incorporated input received, and all possible potentially feasible WMSs were listed. The criteria were determined by the NETRWPG, and represent an equitable and consistent evaluation and application of all potentially feasible WMSs for each identified water supply need.

The adopted WMS Evaluation Process is depicted in Figure 1 below.

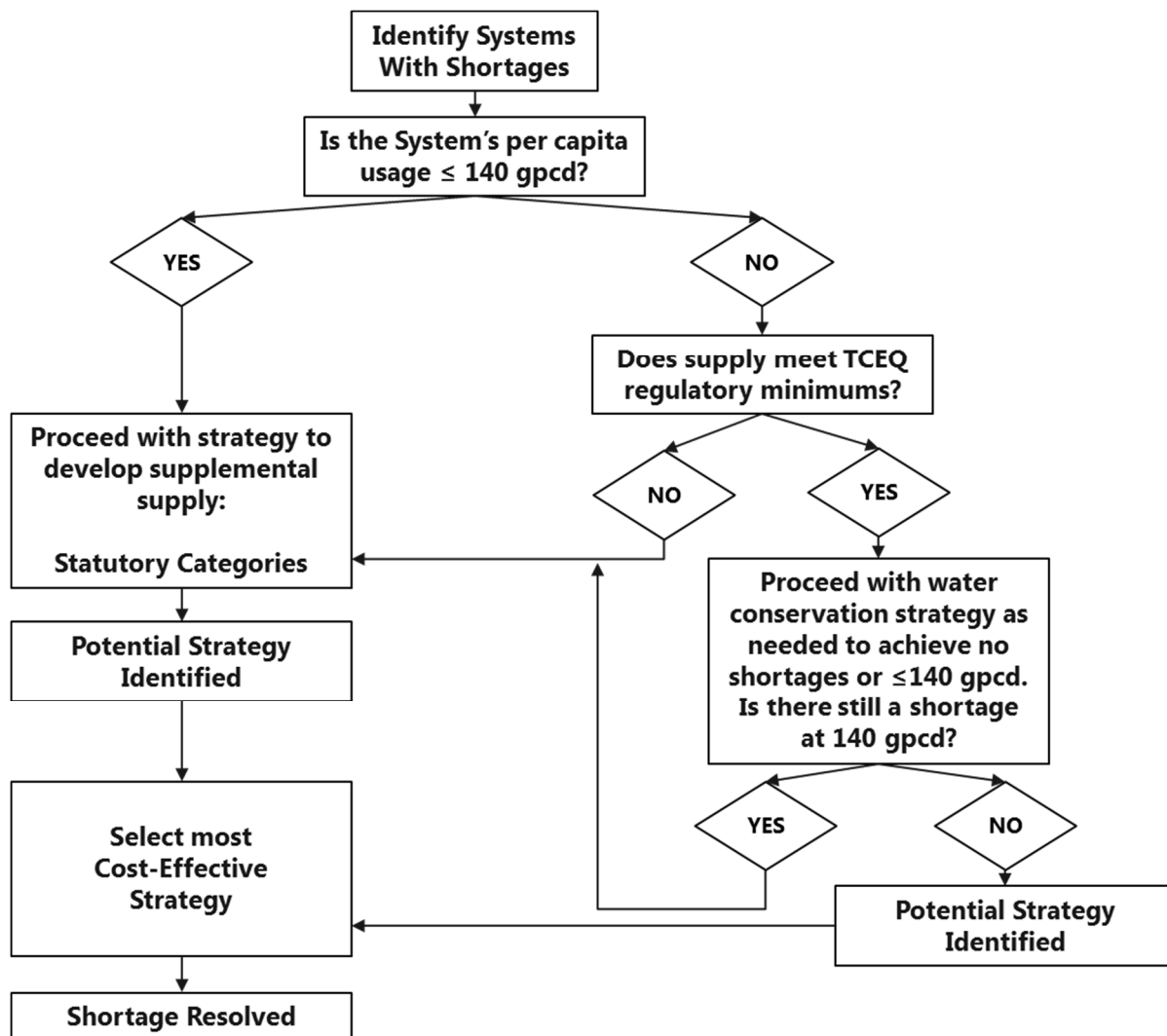


Figure 1 - Region D Water Management Strategy Evaluation Process

The process, as adopted by the NETRWPG, incorporates the following elements:

- Evaluation of the net quantity, reliability, and cost of water delivered to users during drought conditions (not including distribution of water after treatment);
- Evaluation of environmental factors, including but not limited to:
  - environmental water needs;
  - wildlife habitat;
  - cultural resources;
  - adopted environmental flow standards;
- Potential impacts on other water resources of the State;
- Consideration of threats to agricultural and/or natural resources;

- Consideration of interbasin transfer(s);
- Consideration of third party social and economic impacts resulting from voluntary redistribution of water;
- Potential impacts on key water quality parameters;
- Consideration of existing infrastructure (pipelines, other facilities); and
- Any other factors as deemed relevant by the NETRWPG.

## **10. Potentially Feasible Water Management Strategies Identified by the North East Texas Regional Water Planning Group**

As required by statute and rules (TWC §16.053(e)(3), and 31 TAC §357.34(c)), the NETRWPG has considered the following types of WMSs for all identified water needs:

1. conservation;
2. drought management;
3. reuse;
4. management of existing water supplies;
5. conjunctive use;
6. acquisition of available existing water supplies;
7. development of new water supplies;
8. developing regional water supply facilities or providing regional management of water supply facilities;
9. developing large-scale desalination facilities for seawater or brackish groundwater that serve local or regional brackish groundwater production zones identified and designated under Texas Water Code (TWC) §16.060(b)(5);
10. developing large-scale desalination facilities for marine seawater that serve local or regional entities;
11. voluntary transfer of water within the region using, but not limited to, contracts, water marketing, regional water banks, sales, leases, options, subordination agreements, and financing agreements;
12. emergency transfer of water under TWC §11.139;
13. interbasin transfers of surface water;
14. system optimization;
15. reallocation of reservoir storage to new uses;
16. enhancements of yields;
17. improvements to water quality;
18. new surface water supply;
19. new groundwater supply;
20. brush control;
21. precipitation enhancement;
22. aquifer storage and recovery;
23. cancellation of water rights; and
24. rainwater harvesting.

Presented below is the required tabular list of all potentially feasible WMSs identified by the NETRWPG to date.

**Tabular List of All Potentially Feasible WMSs Identified by the NETRWPG to Date**

ASR	Conservation/ Drought Management	Groundwater Desal	Groundwater Dvlp	Reuse	New Major Reservoir	Other Surface Water	Seawater Desal	Conjunctive Use	Other WMS (Subordination, etc)	WMS	WUG(s) &/OR WWP Entities Potentially Served by WMS(s)	When was this WMS identified by RWPG as potentially feasible?	Was the WMS evaluated in any previous Regional Water Planning Cycles?
	X									Advanced Water Conservation	All Municipal WUGs and potentially other non- municipal WUGs (as needed)	April 11, 2018 RWPG Meeting (5th Cycle)	Yes - Evaluated as a WMS in 2011 and recommended as WMS in 2016 NETRWP.
	X									Drought Management	Municipal WUGs	April 11, 2018 RWPG Meeting (5th Cycle)	Yes - Evaluated as a WMS in 2016 NETRWP.
				X						Water Reuse	WUGs and/or WWPs with a central wastewater collection and treatment system.	April 11, 2018 RWPG Meeting (5th Cycle)	Yes - Evaluated as a WMS in 2011 and 2016 NETRWPs.
			X							Local Groundwater	Small Rural Municipal WUGs	April 11, 2018 RWPG Meeting (5th Cycle)	Yes - Recommended WMS in 2011 and 2016 NETRWP.
					X	X			X	Surface Water	All Municipal WUGs and potentially other non- municipal WUGs (as needed)	April 11, 2018 RWPG Meeting (5th Cycle)	Yes - Recommended WMS in 2011 and 2016 NETRWPs.
			X			X			X	Facilities Expansions	All Municipal WUGs (e.g., City of Greenville, City of Texarkana), WWPs, and potentially other non-municipal WUGs (as needed)	April 11, 2018 RWPG Meeting (5th Cycle)	Yes - Evaluated as a WMS in 2011 NETRWP and recommended as a WMS in 2016 NETRWP.

ASR	Conservation/ Drought Management	Groundwater Desal	Groundwater Dvlp	Reuse	New Major Reservoir	Other Surface Water	Seawater Desal	Conjunctive Use	Other WMS (Subordination, etc)	WMS	WUG(s) &/OR WWP Entities Potentially Served by WMS(s)	When was this WMS identified by RWPG as potentially feasible?	Was the WMS evaluated in any previous Regional Water Planning Cycles?
			X			X			X	Regional Supply and Management	Municipal WUGs (e.g. RWRD, Cities of Texarkana, Annona, Avery, De Kalb, Hooks, Maud, Nash, New Boston, Redwater, Wake Village, Greenville, Mount Pleasant, Paris, Longview), WWPs (e.g., NETMWD, SRA) and Sub-WUG entities characterized as County-Other (e.g., Bowie and Hunt Counties).	April 11, 2018 RWPG Meeting (5th Cycle)	Yes - Evaluated as a WMS in 2011 NETRWP and recommended as a WMS in 2016 NETRWP.
	X									Voluntary or Emergency Transfers	All Municipal WUGs, WWPs, and potentially other non-municipal WUGs (as needed)	April 11, 2018 RWPG Meeting (5th Cycle)	Yes - Evaluated as a WMS in 2011 and 2016 NETRWPs.
								X		Balancing Storage and/or Conjunctive Use	All Municipal WUGs, (e.g., City of Clarksville) WWPs, and potentially other non-municipal WUGs (as needed)	April 11, 2018 RWPG Meeting (5th Cycle)	Yes - Evaluated as a WMS in 2011 and 2016 NETRWPs.



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### **11. Water Availability Model Information**

Presented in this section is information regarding the versions and dates of all WAM models and runs used in determining surface water availability. Electronic model input/output and other model files used to date in the development of surface water availability for the purposes of the 2021 Region D planning process are included as a digital attachment hereto.

**Water Availability Model Information (Associated files in digital attachment)**

Basin	Name	Version Date	filename	Modification	Purpose	Model Run By	Model Run Date
Red River	Red River WAM Full Authorization Scenario 3	2-Jan-13	red3-Base	No modification	Identification of Minimum Annual Diversions for Run 3 Scenario and source supply for all decades	Carollo	5-Jul-18
	Red River WAM Full Authorization Scenario 3	2-Jan-13	red3_RegD_Crook	No modification	Determine the firm yield of Crook Reservoir for Run 3 Scenario	Carollo	23-Jul-18
	Red River WAM Full Authorization Scenario 3	2-Jan-13	red3_RegD_Mayse	No modification	Determine the firm yield of Pat Mayse Reservoir for Run 3 Scenario	Carollo	9-May-18
Sulphur	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2020-.dat	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2020 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present.	Identification of Minimum Annual Diversions for Decade 2020 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2020-4395.DAT		Determine the firm yield of Big Creek Reservoir for Decade 2020 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2020-4795.DAT		Determine the firm yield of Turkey Creek Reservoir for Decade 2020 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2020-CHAP.DAT		Determine the firm yield of Chapman/Cooper Reservoir (as a single reservoir based on Sulphur basin hydrology only.) for Decade 2020 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2020-4804.DAT		Determine the firm yield of impoundment associated with 03-4804 for Decade 2020 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2020-4809.DAT		Determine the firm yield of Langford Lake for Decade 2020 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2020-4811.DAT		Determine the firm yield of Lake Sulphur Springs for Decade 2020 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2020-4812.DAT		Determine the firm yield of Coleman Lake for Decade 2020 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2020-4813.DAT		Determine the firm yield of impoundment associated with 03-4813 for Decade 2020 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2020-4816.DAT		Determine the firm yield of Lake Vernon for Decade 2020 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2020-4831.DAT		Determine the firm yield of impoundment associated with 03-4831 for Decade 2020 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2020-4832.DAT		Determine the firm yield of impoundment associated with 03-4832 for Decade 2020 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2020-4836.DAT		Determine the firm yield of Wright Patman for Decade 2020 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2020-5873_1.DAT		Determine the firm yield of Caney Creek Reservoir for Decade 2020 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2020-5873_2.DAT		Determine the firm yield of Elliot Creek Reservoir for Decade 2020 Scenario	Carollo	23-Jul-18
Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2030-.dat	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2030 for Chapman/Cooper, Langford Lake,	Identification of Minimum Annual Diversions for Decade 2030 Scenario	Carollo	23-Jul-18	

Basin	Name	Version Date	filename	Modification	Purpose	Model Run By	Model Run Date
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2030-4395.DAT	and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present.	Determine the firm yield of Big Creek Reservoir for Decade 2030 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2030-4795.DAT		Determine the firm yield of Turkey Creek Reservoir for Decade 2030 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2030-CHAP.DAT		Determine the firm yield of Chapman/Cooper Reservoir (as a single reservoir based on Sulphur basin hydrology only.) for Decade 2030 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2030-4804.DAT		Determine the firm yield of impoundment associated with 03-4804 for Decade 2030 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2030-4809.DAT		Determine the firm yield of Langford Lake for Decade 2030 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2030-4811.DAT		Determine the firm yield of Lake Sulphur Springs for Decade 2030 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2030-4812.DAT		Determine the firm yield of Coleman Lake for Decade 2030 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2030-4813.DAT		Determine the firm yield of impoundment associated with 03-4813 for Decade 2030 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2030-4816.DAT		Determine the firm yield of Lake Vernon for Decade 2030 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2030-4831.DAT		Determine the firm yield of impoundment associated with 03-4831 for Decade 2030 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2030-4832.DAT		Determine the firm yield of impoundment associated with 03-4832 for Decade 2030 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2030-4836.DAT		Determine the firm yield of Wright Patman for Decade 2030 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2030-5873_1.DAT		Determine the firm yield of Caney Creek Reservoir for Decade 2030 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2030-5873_2.DAT		Determine the firm yield of Elliot Creek Reservoir for Decade 2030 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2040-.dat	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2040 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present.	Identification of Minimum Annual Diversions for Decade 2040 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2040-4395.DAT		Determine the firm yield of Big Creek Reservoir for Decade 2040 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2040-4795.DAT		Determine the firm yield of Turkey Creek Reservoir for Decade 2040 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2040-CHAP.DAT		Determine the firm yield of Chapman/Cooper Reservoir (as a single reservoir based on Sulphur basin hydrology only.) for Decade 2040 Scenario	Carollo	23-Jul-18

Basin	Name	Version Date	filename	Modification	Purpose	Model Run By	Model Run Date
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2040-4804.DAT		Determine the firm yield of impoundment associated with 03-4804 for Decade 2040 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2040-4809.DAT		Determine the firm yield of Langford Lake for Decade 2040 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2040-4811.DAT		Determine the firm yield of Lake Sulphur Springs for Decade 2040 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2040-4812.DAT		Determine the firm yield of Coleman Lake for Decade 2040 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2040-4813.DAT		Determine the firm yield of impoundment associated with 03-4813 for Decade 2040 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2040-4816.DAT		Determine the firm yield of Lake Vernon for Decade 2040 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2040-4831.DAT		Determine the firm yield of impoundment associated with 03-4831 for Decade 2040 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2040-4832.DAT		Determine the firm yield of impoundment associated with 03-4832 for Decade 2040 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2040-4836.DAT		Determine the firm yield of Wright Patman for Decade 2040 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2040-5873_1.DAT		Determine the firm yield of Caney Creek Reservoir for Decade 2040 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2040-5873_2.DAT		Determine the firm yield of Elliot Creek Reservoir for Decade 2040 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2050-.dat	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2050 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present.	Identification of Minimum Annual Diversions for Decade 2050 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2050-4395.DAT		Determine the firm yield of Big Creek Reservoir for Decade 2050 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2050-4795.DAT		Determine the firm yield of Turkey Creek Reservoir for Decade 2050 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2050-CHAP.DAT		Determine the firm yield of Chapman/Cooper Reservoir (as a single reservoir based on Sulphur basin hydrology only.) for Decade 2050 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2050-4804.DAT		Determine the firm yield of impoundment associated with 03-4804 for Decade 2050 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2050-4809.DAT		Determine the firm yield of Langford Lake for Decade 2050 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2050-4811.DAT		Determine the firm yield of Lake Sulphur Springs for Decade 2050 Scenario	Carollo	23-Jul-18

Basin	Name	Version Date	filename	Modification	Purpose	Model Run By	Model Run Date
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2050-4812.DAT		Determine the firm yield of Coleman Lake for Decade 2050 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2050-4813.DAT		Determine the firm yield of impoundment associated with 03-4813 for Decade 2050 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2050-4816.DAT		Determine the firm yield of Lake Vernon for Decade 2050 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2050-4831.DAT		Determine the firm yield of impoundment associated with 03-4831 for Decade 2050 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2050-4832.DAT		Determine the firm yield of impoundment associated with 03-4832 for Decade 2050 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2050-4836.DAT		Determine the firm yield of Wright Patman for Decade 2050 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2050-5873_1.DAT		Determine the firm yield of Caney Creek Reservoir for Decade 2050 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2050-5873_2.DAT		Determine the firm yield of Elliot Creek Reservoir for Decade 2050 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2060-.dat	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2060 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present.	Identification of Minimum Annual Diversions for Decade 2060 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2060-4395.DAT		Determine the firm yield of Big Creek Reservoir for Decade 2060 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2060-4795.DAT		Determine the firm yield of Turkey Creek Reservoir for Decade 2060 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2060-CHAP.DAT		Determine the firm yield of Chapman/Cooper Reservoir (as a single reservoir based on Sulphur basin hydrology only.) for Decade 2060 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2060-4804.DAT		Determine the firm yield of impoundment associated with 03-4804 for Decade 2060 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2060-4809.DAT		Determine the firm yield of Langford Lake for Decade 2060 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2060-4811.DAT		Determine the firm yield of Lake Sulphur Springs for Decade 2060 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2060-4812.DAT		Determine the firm yield of Coleman Lake for Decade 2060 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2060-4813.DAT		Determine the firm yield of impoundment associated with 03-4813 for Decade 2060 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2060-4816.DAT		Determine the firm yield of Lake Vernon for Decade 2060 Scenario	Carollo	23-Jul-18

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	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2060-4831.DAT		Determine the firm yield of impoundment associated with 03-4831 for Decade 2060 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2060-4832.DAT		Determine the firm yield of impoundment associated with 03-4832 for Decade 2060 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2060-4836.DAT		Determine the firm yield of Wright Patman for Decade 2060 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2060-5873_1.DAT		Determine the firm yield of Caney Creek Reservoir for Decade 2060 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2060-5873_2.DAT		Determine the firm yield of Elliot Creek Reservoir for Decade 2060 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2070-.dat	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2070 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present.	Identification of Minimum Annual Diversions for Decade 2070 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2070-4395.DAT		Determine the firm yield of Big Creek Reservoir for Decade 2070 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2070-4795.DAT		Determine the firm yield of Turkey Creek Reservoir for Decade 2070 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2070-CHAP.DAT		Determine the firm yield of Chapman/Cooper Reservoir (as a single reservoir based on Sulphur basin hydrology only.) for Decade 2070 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2070-4804.DAT		Determine the firm yield of impoundment associated with 03-4804 for Decade 2070 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2070-4809.DAT		Determine the firm yield of Langford Lake for Decade 2070 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2070-4811.DAT		Determine the firm yield of Lake Sulphur Springs for Decade 2070 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2070-4812.DAT		Determine the firm yield of Coleman Lake for Decade 2070 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2070-4813.DAT		Determine the firm yield of impoundment associated with 03-4813 for Decade 2070 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2070-4816.DAT		Determine the firm yield of Lake Vernon for Decade 2070 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2070-4831.DAT		Determine the firm yield of impoundment associated with 03-4831 for Decade 2070 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2070-4832.DAT		Determine the firm yield of impoundment associated with 03-4832 for Decade 2070 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2070-4836.DAT		Determine the firm yield of Wright Patman for Decade 2070 Scenario	Carollo	23-Jul-18

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	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2070-5873_1.DAT		Determine the firm yield of Caney Creek Reservoir for Decade 2070 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2070-5873_2.DAT		Determine the firm yield of Elliot Creek Reservoir for Decade 2070 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2020-4836-IRC 220lim.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2020 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present. 3. Model Patman operations at Interim Rule Curve Volumes. 4. Model Patman inactive pool at elevation 220.	Determine the Firm Yield of Wright Patman at the interim rule curve with a 220 intake elevation limitation (Texarkana Intake Constraints) for Decade 2020 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2020-4836-IRC no220.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2020 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present. 3. Model Patman operations at Interim Rule Curve Volumes.	Determine the Firm Yield of Wright Patman at the interim rule curve without a 220 intake elevation limitation (International Paper Intake Constraints) for Decade 2020 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2020-4836-URC 220lim.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2020 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present. 3. Model Patman inactive pool at elevation 220.	Determine the Firm Yield of Wright Patman at the ultimate rule curve with a 220 intake elevation limitation (Texarkana Intake Constraints) for Decade 2020 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2020-4836-URC no220.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2020 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present.	Determine the Firm Yield of Wright Patman at the ultimate rule curve without a 220 intake elevation limitation (International Paper Intake Constraints) for Decade 2020 Scenario	Carollo	23-Jul-18

Basin	Name	Version Date	filename	Modification	Purpose	Model Run By	Model Run Date
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2030-4836-IRC 220lim.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2030 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present. 3. Model Patman operations at Interim Rule Curve Volumes. 4. Model Patman inactive pool at elevation 220.	Determine the Firm Yield of Wright Patman at the interim rule curve with a 220 intake elevation limitation (Texarkana Intake Constraints) for Decade 2030 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2030-4836-IRC no220.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2030 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present. 3. Model Patman operations at Interim Rule Curve Volumes.	Determine the Firm Yield of Wright Patman at the interim rule curve without a 220 intake elevation limitation (International Paper Intake Constraints) for Decade 2030 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2030-4836-URC 220lim.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2030 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present. 3. Model Patman inactive pool at elevation 220.	Determine the Firm Yield of Wright Patman at the ultimate rule curve with a 220 intake elevation limitation (Texarkana Intake Constraints) for Decade 2030 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2030-4836-URC no220.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2030 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present.	Determine the Firm Yield of Wright Patman at the ultimate rule curve without a 220 intake elevation limitation (International Paper Intake Constraints) for Decade 2030 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2040-4836-IRC 220lim.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2040 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present. 3. Model Patman operations at Interim Rule Curve Volumes. 4. Model Patman inactive pool at elevation 220.	Determine the Firm Yield of Wright Patman at the interim rule curve with a 220 intake elevation limitation (Texarkana Intake Constraints) for Decade 2040 Scenario	Carollo	23-Jul-18



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	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2040-4836-IRC no220.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2040 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present. 3. Model Patman operations at Interim Rule Curve Volumes.	Determine the Firm Yield of Wright Patman at the interim rule curve without a 220 intake elevation limitation (International Paper Intake Constraints) for Decade 2040 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2040-4836-URC 220lim.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2040 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present. 3. Model Patman inactive pool at elevation 220.	Determine the Firm Yield of Wright Patman at the ultimate rule curve with a 220 intake elevation limitation (Texarkana Intake Constraints) for Decade 2040 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2040-4836-URC no220.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2040 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present.	Determine the Firm Yield of Wright Patman at the ultimate rule curve without a 220 intake elevation limitation (International Paper Intake Constraints) for Decade 2040 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2050-4836-IRC 220lim.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2050 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present. 3. Model Patman operations at Interim Rule Curve Volumes. 4. Model Patman inactive pool at elevation 220.	Determine the Firm Yield of Wright Patman at the interim rule curve with a 220 intake elevation limitation (Texarkana Intake Constraints) for Decade 2050 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2050-4836-IRC no220.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2050 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present. 3. Model Patman operations at Interim Rule Curve Volumes.	Determine the Firm Yield of Wright Patman at the interim rule curve without a 220 intake elevation limitation (International Paper Intake Constraints) for Decade 2050 Scenario	Carollo	23-Jul-18

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	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2050-4836-URC 220lim.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2050 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present. 3. Model Patman inactive pool at elevation 220.	Determine the Firm Yield of Wright Patman at the ultimate rule curve with a 220 intake elevation limitation (Texarkana Intake Constraints) for Decade 2050 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2050-4836-URC no220.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2050 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present.	Determine the Firm Yield of Wright Patman at the ultimate rule curve without a 220 intake elevation limitation (International Paper Intake Constraints) for Decade 2050 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2060-4836-IRC 220lim.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2060 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present. 3. Model Patman operations at Interim Rule Curve Volumes. 4. Model Patman inactive pool at elevation 220.	Determine the Firm Yield of Wright Patman at the interim rule curve with a 220 intake elevation limitation (Texarkana Intake Constraints) for Decade 2060 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2060-4836-IRC no220.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2060 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present. 3. Model Patman operations at Interim Rule Curve Volumes.	Determine the Firm Yield of Wright Patman at the interim rule curve without a 220 intake elevation limitation (International Paper Intake Constraints) for Decade 2060 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2060-4836-URC 220lim.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2060 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present. 3. Model Patman inactive pool at elevation 220.	Determine the Firm Yield of Wright Patman at the ultimate rule curve with a 220 intake elevation limitation (Texarkana Intake Constraints) for Decade 2060 Scenario	Carollo	23-Jul-18

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	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2060-4836-URC no220.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2060 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present.	Determine the Firm Yield of Wright Patman at the ultimate rule curve without a 220 intake elevation limitation (International Paper Intake Constraints) for Decade 2060 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2070-4836-IRC 220lim.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2070 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present. 3. Model Patman operations at Interim Rule Curve Volumes. 4. Model Patman inactive pool at elevation 220.	Determine the Firm Yield of Wright Patman at the interim rule curve with a 220 intake elevation limitation (Texarkana Intake Constraints) for Decade 2070 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2070-4836-IRC no220.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2070 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present. 3. Model Patman operations at Interim Rule Curve Volumes.	Determine the Firm Yield of Wright Patman at the interim rule curve without a 220 intake elevation limitation (International Paper Intake Constraints) for Decade 2070 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2070-4836-URC 220lim.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2070 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present. 3. Model Patman inactive pool at elevation 220.	Determine the Firm Yield of Wright Patman at the ultimate rule curve with a 220 intake elevation limitation (Texarkana Intake Constraints) for Decade 2070 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_2070-4836-URC no220.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Modeled Sedimentation effects by 2070 for Chapman/Cooper, Langford Lake, and Wright Patman Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present.	Determine the Firm Yield of Wright Patman at the ultimate rule curve without a 220 intake elevation limitation (International Paper Intake Constraints) for Decade 2070 Scenario	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_Base-4836-IRC 220lim.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Model Patman operations at Interim Rule Curve Volumes. 3. Model Patman inactive pool at elevation 220.	Determine the Firm Yield of Wright Patman at the interim rule curve with a 220 intake elevation limitation (Texarkana Intake Constraints)	Carollo	23-Jul-18

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	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_Base-4836-IRC no220.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Model Patman operations at Interim Rule Curve Volumes.	Determine the Firm Yield of Wright Patman at the interim rule curve without a 220 intake elevation limitation (International Paper Intake Constraints)	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_Base-4836-URC 220lim.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi 2. Model Patman inactive pool at elevation 220.	Determine the Firm Yield of Wright Patman at the ultimate rule curve with a 220 intake elevation limitation (Texarkana Intake Constraints)	Carollo	23-Jul-18
	Sulphur WAM Full Authorization Scenario 3	1-Feb-18	sulphur3_Base-4836-URC no220.DAT	Modified for: 1. Correction of Control Point C10 Drainage area from 1353.24 sq-mi to 1365 sq-mi	Determine the Firm Yield of Wright Patman at the ultimate rule curve without a 220 intake elevation limitation (International Paper Intake Constraints)	Carollo	23-Jul-18
Cypress	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2020-.dat	Modeled Sedimentation effects by 2020 for Monticello, Bob Sandlin, Cypress Springs, Lake O' The Pines, and Welsh Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present.	Identification of Minimum Annual Diversions for Decade 2020 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2020-4349.DAT		Determine the firm yield of impoundment associated with 04-4349 for Decade 2020 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2020-4560.DAT		Determine the firm yield of Cypress Springs for Decade 2020 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2020-4563.DAT		Determine the firm yield of Monticello for Decade 2020 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2020-4565.DAT		Determine the firm yield of Tankersley for Decade 2020 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2020-4569.DAT		Determine the firm yield of impoundment associated with 04-4569 for Decade 2020 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2020-4570.DAT		Determine the firm yield of impoundment associated with 04-4570 for Decade 2020 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2020-4576.DAT		Determine the firm yield of Welsh for Decade 2020 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2020-4588.DAT		Determine the firm yield of impoundment associated with 04-4588 for Decade 2020 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2020-5272.DAT		Determine the firm yield of Gilmer Lake for Decade 2020 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2020-60404595001.DAT		Determine the firm yield of Municipal Run of River diversion for Decade 2020 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2020-BOB.DAT		Determine the firm yield of Bob Sandlin for Decade 2020 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2020-ELLISON.DAT		Determine the firm yield of Ellison for Decade 2020 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2020-FYLOTP.DAT		Determine the firm yield of Lake O' The Pines for Decade 2020 Scenario	Carollo	16-Jul-18
Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2030-.dat	Modeled Sedimentation effects by 2030 for Monticello, Bob Sandlin, Cypress Springs, Lake O' The Pines, and Welsh Reservoirs by revising: SV SA records and the	Identification of Minimum Annual Diversions for Decade 2030 Scenario	Carollo	16-Jul-18	

Basin	Name	Version Date	filename	Modification	Purpose	Model Run By	Model Run Date
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2030-4349.DAT	conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present.	Determine the firm yield of impoundment associated with 04-4349 for Decade 2030 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2030-4560.DAT		Determine the firm yield of Cypress Springs for Decade 2030 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2030-4563.DAT		Determine the firm yield of Monticello for Decade 2030 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2030-4565.DAT		Determine the firm yield of Tankersley for Decade 2030 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2030-4569.DAT		Determine the firm yield of impoundment associated with 04-4569 for Decade 2030 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2030-4570.DAT		Determine the firm yield of impoundment associated with 04-4570 for Decade 2030 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2030-4576.DAT		Determine the firm yield of Welsh for Decade 2030 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2030-4588.DAT		Determine the firm yield of impoundment associated with 04-4588 for Decade 2030 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2030-5272.DAT		Determine the firm yield of Gilmer Lake for Decade 2030 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2030-60404595001.DAT		Determine the firm yield of Municipal Run of River diversion for Decade 2030 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2030-BOB.DAT		Determine the firm yield of Bob Sandlin for Decade 2030 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2030-ELLISON.DAT		Determine the firm yield of Ellison for Decade 2030 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2030-FYLOTP.DAT		Determine the firm yield of Lake O' The Pines for Decade 2030 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2040-.dat	Modeled Sedimentation effects by 2040 for Monticello, Bob Sandlin, Cypress Springs, Lake O' The Pines, and Welsh Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present.	Identification of Minimum Annual Diversions for Decade 2040 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2040-4349.DAT		Determine the firm yield of impoundment associated with 04-4349 for Decade 2040 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2040-4560.DAT		Determine the firm yield of Cypress Springs for Decade 2040 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2040-4563.DAT		Determine the firm yield of Monticello for Decade 2040 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2040-4565.DAT		Determine the firm yield of Tankersley for Decade 2040 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2040-4569.DAT		Determine the firm yield of impoundment associated with 04-4569 for Decade 2040 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2040-4570.DAT		Determine the firm yield of impoundment associated with 04-4570 for Decade 2040 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2040-4576.DAT		Determine the firm yield of Welsh for Decade 2040 Scenario	Carollo	16-Jul-18

Basin	Name	Version Date	filename	Modification	Purpose	Model Run By	Model Run Date
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2040-4588.DAT		Determine the firm yield of impoundment associated with 04-4588 for Decade 2040 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2040-5272.DAT		Determine the firm yield of Gilmer Lake for Decade 2040 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2040-60404595001.DAT		Determine the firm yield of Municipal Run of River diversion for Decade 2040 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2040-BOB.DAT		Determine the firm yield of Bob Sandlin for Decade 2040 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2040-ELLISON.DAT		Determine the firm yield of Ellison for Decade 2040 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2040-FYLOTP.DAT		Determine the firm yield of Lake O' The Pines for Decade 2040 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2050-.dat	Modeled Sedimentation effects by 2050 for Monticello, Bob Sandlin, Cypress Springs, Lake O' The Pines, and Welsh Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present.	Identification of Minimum Annual Diversions for Decade 2050 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2050-4349.DAT		Determine the firm yield of impoundment associated with 04-4349 for Decade 2050 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2050-4560.DAT		Determine the firm yield of Cypress Springs for Decade 2050 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2050-4563.DAT		Determine the firm yield of Monticello for Decade 2050 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2050-4565.DAT		Determine the firm yield of Tankersley for Decade 2050 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2050-4569.DAT		Determine the firm yield of impoundment associated with 04-4569 for Decade 2050 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2050-4570.DAT		Determine the firm yield of impoundment associated with 04-4570 for Decade 2050 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2050-4576.DAT		Determine the firm yield of Welsh for Decade 2050 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2050-4588.DAT		Determine the firm yield of impoundment associated with 04-4588 for Decade 2050 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2050-5272.DAT		Determine the firm yield of Gilmer Lake for Decade 2050 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2050-60404595001.DAT		Determine the firm yield of Municipal Run of River diversion for Decade 2050 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2050-BOB.DAT		Determine the firm yield of Bob Sandlin for Decade 2050 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2050-ELLISON.DAT		Determine the firm yield of Ellison for Decade 2050 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2050-FYLOTP.DAT		Determine the firm yield of Lake O' The Pines for Decade 2050 Scenario	Carollo	16-Jul-18

Basin	Name	Version Date	filename	Modification	Purpose	Model Run By	Model Run Date
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2060-.dat	Modeled Sedimentation effects by 2060 for Monticello, Bob Sandlin, Cypress Springs, Lake O' The Pines, and Welsh Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present.	Identification of Minimum Annual Diversions for Decade 2060 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2060-4349.DAT		Determine the firm yield of impoundment associated with 04-4349 for Decade 2060 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2060-4560.DAT		Determine the firm yield of Cypress Springs for Decade 2060 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2060-4563.DAT		Determine the firm yield of Monticello for Decade 2060 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2060-4565.DAT		Determine the firm yield of Tankersley for Decade 2060 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2060-4569.DAT		Determine the firm yield of impoundment associated with 04-4569 for Decade 2060 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2060-4570.DAT		Determine the firm yield of impoundment associated with 04-4570 for Decade 2060 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2060-4576.DAT		Determine the firm yield of Welsh for Decade 2060 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2060-4588.DAT		Determine the firm yield of impoundment associated with 04-4588 for Decade 2060 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2060-5272.DAT		Determine the firm yield of Gilmer Lake for Decade 2060 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2060-60404595001.DAT		Determine the firm yield of Municipal Run of River diversion for Decade 2060 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2060-BOB.DAT		Determine the firm yield of Bob Sandlin for Decade 2060 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2060-ELLISON.DAT		Determine the firm yield of Ellison for Decade 2060 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2060-FYLOTP.DAT		Determine the firm yield of Lake O' The Pines for Decade 2060 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2070-.dat	Modeled Sedimentation effects by 2070 for Monticello, Bob Sandlin, Cypress Springs, Lake O' The Pines, and Welsh Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present.	Identification of Minimum Annual Diversions for Decade 2070 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2070-4349.DAT		Determine the firm yield of impoundment associated with 04-4349 for Decade 2070 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2070-4560.DAT		Determine the firm yield of Cypress Springs for Decade 2070 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2070-4563.DAT		Determine the firm yield of Monticello for Decade 2070 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2070-4565.DAT		Determine the firm yield of Tankersley for Decade 2070 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2070-4569.DAT		Determine the firm yield of impoundment associated with 04-4569 for Decade 2070 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2070-4570.DAT		Determine the firm yield of impoundment associated with 04-4570 for Decade 2070 Scenario	Carollo	16-Jul-18

Basin	Name	Version Date	filename	Modification	Purpose	Model Run By	Model Run Date
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2070-4576.DAT		Determine the firm yield of Welsh for Decade 2070 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2070-4588.DAT		Determine the firm yield of impoundment associated with 04-4588 for Decade 2070 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2070-5272.DAT		Determine the firm yield of Gilmer Lake for Decade 2070 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2070-60404595001.DAT		Determine the firm yield of Municipal Run of River diversion for Decade 2070 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2070-BOB.DAT		Determine the firm yield of Bob Sandlin for Decade 2070 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2070-ELLISON.DAT		Determine the firm yield of Ellison for Decade 2070 Scenario	Carollo	16-Jul-18
	Cypress WAM Full Authorization Scenario 3	18-Jun-15	cyp03_2070-FYLOTP.DAT		Determine the firm yield of Lake O' The Pines for Decade 2070 Scenario	Carollo	16-Jul-18
Sabine	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2020-.dat	Modeled Sedimentation effects by 2020 for Tawakoni, Gladewater, Cherokee, and Fork Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present.	Identification of Minimum Annual Diversions for Decade 2020 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2020-4665.DAT		Determine the firm yield of impoundment associated with 05-4665 for Decade 2020 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2020-4669.DAT		Determine the firm yield of Fork for Decade 2020 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2020-4670.DAT		Determine the firm yield of Tawakoni for Decade 2020 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2020-4758.DAT		Determine the firm yield of Loma Lake for Decade 2020 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2020-4759.DAT		Determine the firm yield of Big Sandy for Decade 2020 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2020-60504679301.DAT		Determine the firm yield of impoundment associated with 05-4679 for Decade 2020 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2020-64624301.DAT		Determine the firm yield of impoundment associated with 05-4624 for Decade 2020 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2020-64642301.DAT		Determine the firm yield of Lake Cherokee for Decade 2020 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2020-64647501.DAT		Determine the firm yield of Sandy Branch for Decade 2020 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2020-64671301.DAT		Determine the firm yield of impoundment associated with 05-4671 for Decade 2020 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2020-64673301.DAT		Determine the firm yield of impoundment associated with 05-4673 for Decade 2020 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2020-64675301.dat		Determine the firm yield of Mill Creek for Decade 2020 Scenario	Carollo	10-Jul-18
Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2020-64678301.DAT	Determine the firm yield of Edgewood City Lake for Decade 2020 Scenario	Carollo	10-Jul-18		



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	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2020-64693301.DAT		Determine the firm yield of impoundment associated with 05-4693 for Decade 2020 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2020-64762301.DAT		Determine the firm yield of Gladewater for Decade 2020 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2030-.dat	Modeled Sedimentation effects by 2030 for Tawakoni, Gladewater, Cherokee, and Fork Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present.	Identification of Minimum Annual Diversions for Decade 2030 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2030-4665.DAT		Determine the firm yield of impoundment associated with 05-4665 for Decade 2030 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2030-4669.DAT		Determine the firm yield of Fork for Decade 2030 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2030-4670.DAT		Determine the firm yield of Tawakoni for Decade 2030 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2030-4758.DAT		Determine the firm yield of Loma Lake for Decade 2030 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2030-4759.DAT		Determine the firm yield of Big Sandy for Decade 2030 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2030-60504679301.DAT		Determine the firm yield of impoundment associated with 05-4679 for Decade 2030 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2030-64624301.DAT		Determine the firm yield of impoundment associated with 05-4624 for Decade 2030 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2030-64642301.DAT		Determine the firm yield of Lake Cherokee for Decade 2030 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2030-64647501.DAT		Determine the firm yield of Sandy Branch for Decade 2030 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2030-64671301.DAT		Determine the firm yield of impoundment associated with 05-4671 for Decade 2030 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2030-64673301.DAT		Determine the firm yield of impoundment associated with 05-4673 for Decade 2030 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2030-64675301.dat		Determine the firm yield of Mill Creek for Decade 2030 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2030-64678301.DAT		Determine the firm yield of Edgewood City Lake for Decade 2030 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2030-64693301.DAT		Determine the firm yield of impoundment associated with 05-4693 for Decade 2030 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2030-64762301.DAT		Determine the firm yield of Gladewater for Decade 2030 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2040-.dat	Modeled Sedimentation effects by 2040 for Tawakoni, Gladewater, Cherokee, and Fork Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present.	Identification of Minimum Annual Diversions for Decade 2040 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2040-4665.DAT		Determine the firm yield of impoundment associated with 05-4665 for Decade 2040 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2040-4669.DAT		Determine the firm yield of Fork for Decade 2040 Scenario	Carollo	10-Jul-18

Basin	Name	Version Date	filename	Modification	Purpose	Model Run By	Model Run Date
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2040-4670.DAT		Determine the firm yield of Tawakoni for Decade 2040 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2040-4758.DAT		Determine the firm yield of Loma Lake for Decade 2040 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2040-4759.DAT		Determine the firm yield of Big Sandy for Decade 2040 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2040-60504679301.DAT		Determine the firm yield of impoundment associated with 05-4679 for Decade 2040 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2040-64624301.DAT		Determine the firm yield of impoundment associated with 05-4624 for Decade 2040 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2040-64642301.DAT		Determine the firm yield of Lake Cherokee for Decade 2040 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2040-64647501.DAT		Determine the firm yield of Sandy Branch for Decade 2040 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2040-64671301.DAT		Determine the firm yield of impoundment associated with 05-4671 for Decade 2040 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2040-64673301.DAT		Determine the firm yield of impoundment associated with 05-4673 for Decade 2040 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2040-64675301.dat		Determine the firm yield of Mill Creek for Decade 2040 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2040-64678301.DAT		Determine the firm yield of Edgewood City Lake for Decade 2040 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2040-64693301.DAT		Determine the firm yield of impoundment associated with 05-4693 for Decade 2040 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2040-64762301.DAT		Determine the firm yield of Gladewater for Decade 2040 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2050-.dat	Modeled Sedimentation effects by 2050 for Tawakoni, Gladewater, Cherokee, and Fork Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present.	Identification of Minimum Annual Diversions for Decade 2050 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2050-4665.DAT		Determine the firm yield of impoundment associated with 05-4665 for Decade 2050 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2050-4669.DAT		Determine the firm yield of Fork for Decade 2050 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2050-4670.DAT		Determine the firm yield of Tawakoni for Decade 2050 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2050-4758.DAT		Determine the firm yield of Loma Lake for Decade 2050 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2050-4759.DAT		Determine the firm yield of Big Sandy for Decade 2050 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2050-60504679301.DAT		Determine the firm yield of impoundment associated with 05-4679 for Decade 2050 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2050-64624301.DAT		Determine the firm yield of impoundment associated with 05-4624 for Decade 2050 Scenario	Carollo	10-Jul-18

Basin	Name	Version Date	filename	Modification	Purpose	Model Run By	Model Run Date
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2050-64642301.DAT		Determine the firm yield of Lake Cherokee for Decade 2050 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2050-64647501.DAT		Determine the firm yield of Sandy Branch for Decade 2050 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2050-64671301.DAT		Determine the firm yield of impoundment associated with 05-4671 for Decade 2050 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2050-64673301.DAT		Determine the firm yield of impoundment associated with 05-4673 for Decade 2050 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2050-64675301.dat		Determine the firm yield of Mill Creek for Decade 2050 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2050-64678301.DAT		Determine the firm yield of Edgewood City Lake for Decade 2050 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2050-64693301.DAT		Determine the firm yield of impoundment associated with 05-4693 for Decade 2050 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2050-64762301.DAT		Determine the firm yield of Gladewater for Decade 2050 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2060-.dat	Modeled Sedimentation effects by 2060 for Tawakoni, Gladewater, Cherokee, and Fork Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present.	Identification of Minimum Annual Diversions for Decade 2060 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2060-4665.DAT		Determine the firm yield of impoundment associated with 05-4665 for Decade 2060 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2060-4669.DAT		Determine the firm yield of Fork for Decade 2060 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2060-4670.DAT		Determine the firm yield of Tawakoni for Decade 2060 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2060-4758.DAT		Determine the firm yield of Loma Lake for Decade 2060 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2060-4759.DAT		Determine the firm yield of Big Sandy for Decade 2060 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2060-60504679301.DAT		Determine the firm yield of impoundment associated with 05-4679 for Decade 2060 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2060-64624301.DAT		Determine the firm yield of impoundment associated with 05-4624 for Decade 2060 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2060-64642301.DAT		Determine the firm yield of Lake Cherokee for Decade 2060 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2060-64647501.DAT		Determine the firm yield of Sandy Branch for Decade 2060 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2060-64671301.DAT		Determine the firm yield of impoundment associated with 05-4671 for Decade 2060 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2060-64673301.DAT		Determine the firm yield of impoundment associated with 05-4673 for Decade 2060 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2060-64675301.dat		Determine the firm yield of Mill Creek for Decade 2060 Scenario	Carollo	10-Jul-18

Basin	Name	Version Date	filename	Modification	Purpose	Model Run By	Model Run Date
Sabine	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2060-64678301.DAT	Modeled Sedimentation effects by 2070 for Tawakoni, Gladewater, Cherokee, and Fork Reservoirs by revising: SV SA records and the conservation pool volume, inactive pool volume and initial volume on associated WS records when data for field is present.	Determine the firm yield of Edgewood City Lake for Decade 2060 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2060-64693301.DAT		Determine the firm yield of impoundment associated with 05-4693 for Decade 2060 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2060-64762301.DAT		Determine the firm yield of Gladewater for Decade 2060 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2070-.dat		Identification of Minimum Annual Diversions for Decade 2070 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2070-4665.DAT		Determine the firm yield of impoundment associated with 05-4665 for Decade 2070 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2070-4669.DAT		Determine the firm yield of Fork for Decade 2070 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2070-4670.DAT		Determine the firm yield of Tawakoni for Decade 2070 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2070-4758.DAT		Determine the firm yield of Loma Lake for Decade 2070 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2070-4759.DAT		Determine the firm yield of Big Sandy for Decade 2070 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2070-60504679301.DAT		Determine the firm yield of impoundment associated with 05-4679 for Decade 2070 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2070-64624301.DAT		Determine the firm yield of impoundment associated with 05-4624 for Decade 2070 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2070-64642301.DAT		Determine the firm yield of Lake Cherokee for Decade 2070 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2070-64647501.DAT		Determine the firm yield of Sandy Branch for Decade 2070 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2070-64671301.DAT		Determine the firm yield of impoundment associated with 05-4671 for Decade 2070 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2070-64673301.DAT		Determine the firm yield of impoundment associated with 05-4673 for Decade 2070 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2070-64675301.dat		Determine the firm yield of Mill Creek for Decade 2070 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2070-64678301.DAT		Determine the firm yield of Edgewood City Lake for Decade 2070 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2070-64693301.DAT		Determine the firm yield of impoundment associated with 05-4693 for Decade 2070 Scenario	Carollo	10-Jul-18
	Sabine WAM Full Authorization Scenario 3	6-Jul-15	sabine3_2070-64762301.DAT		Determine the firm yield of Gladewater for Decade 2070 Scenario	Carollo	10-Jul-18
Neches	Neches WAM Full Authorization Scenario 3	1-Oct-12	neches3-Base	No modification	Identification of Minimum Annual Diversions for Run 3 Scenario and source supply for all decades	Carollo	5-Jul-18

Basin	Name	Version Date	filename	Modification	Purpose	Model Run By	Model Run Date
	Neches WAM Full Authorization Scenario 3	1-Oct-12	neches3-Base-Rhines	No modification	Determine the firm yield of Rhines Reservoir for Run 3 Scenario and source supply for all decades	Carollo	11-Jul-18

## 12. Groundwater Availability Methodologies

Presented in this section is documentation of the methodologies utilized for the NETRWPG's estimation of groundwater availabilities to date. As further information is developed, the methods employed herein are subject to revision as work progresses

Per TWDB guidelines and in accordance with TAC §357.32(d)(2), a regional water planning group with no groundwater conservation districts (GCDs) within its planning area shall determine the availability of relevant aquifers for regional planning purposes. Region D qualifies as there are no GCDs within the planning area.

Thus, groundwater availability has to date been estimated by using the most recently adopted Modeled Available Groundwater (MAG) numbers by the Groundwater Management Areas. Local hydrogeologic conditions are considered when establishing each entity's portion of the MAG.

If there is a greater need for groundwater than estimated by the MAG on a county/aquifer/basin basis, a more refined assessment of groundwater availability will be performed to evaluate if increasing availability can be justified hydrogeologically. For those WUGs/sellers wherein existing or planned pumpage exceeds MAG amounts, a more detailed analysis of the entity's pumping, typical production of the aquifer, and relevant information from applicable GMAs will be considered towards development of the available groundwater supply for the entity. Current infrastructure (number of wells, well field capacity, peaking factors, etc.) will also be considered when evaluating future water management strategies."

These analyses, along with their accordant methodologies, will be submitted to TWDB for review and consideration of approval prior to incorporation into the IPP, per requirement.

## 13. Simplified Planning

From TWDB's *Second Amended General Guidelines for Fifth Cycle of Regional Water Plan Development (April 2018)*:

"Senate Bill 1511, 85th Legislative Session, provided RWPGs the option to implement simplified planning if there are no significant changes to the water availability, water supplies, or water demands in the regional water planning area. The TWDB has revised 31 TAC §357.10(33) to define the Technical Memorandum and 31 TAC §357.12 to add this new simplified planning provision to the previously existing simplified planning rule, which had required that an RWPG determine in its analysis of water needs that there are sufficient existing water supplies in the regional water planning area to meet water needs for the 50-year planning period. The rule identifies the Technical Memorandum (the mid-point analysis of water demand projections, source availability, WUG supplies, and WUG needs calculations) as the decision point for an RWPG to declare its intent whether or not to pursue simplified planning in accordance with either simplified planning provision (adequate existing supplies or no significant changes in water demands, source availability, or WUG supplies). The threshold(s) for significant changes are to be defined by the RWPG; however, significance may not be based solely on aggregated, region-wide comparisons without consideration of sub-regional changes. Simplified planning, by either provision, may only be implemented during off-census planning cycles."

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This 5th round of planning is an "off-census" planning cycle, as no new census data are available for incorporation into this round of regional water planning. As noted above, RWPGs must provide a declaration of whether or not the RWPG intends to pursue simplified planning for the Region within the Technical Memorandum.

A public meeting of the NETRWPG was appropriately noticed and held in Mount Pleasant, Texas, on August 8, 2018. At this meeting the NETRWPG formally adopted the declaration that Region D does not intend to pursue simplified planning for the purposes of the 2021 Region D Plan.

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

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
BURNS REDBANK WSC	1,576	1,620	1,634	1,634	1,634	1,634
CENTRAL BOWIE COUNTY WSC	1,076	1,149	1,272	1,409	1,561	1,729
DE KALB	260	266	269	271	274	278
HOOKS	3,049	3,173	3,303	3,303	3,303	3,303
NEW BOSTON	1,752	1,802	1,817	1,817	1,817	1,817
RIVERBEND WATER RESOURCES DISTRICT	93	96	97	97	97	97
TEXARKANA	4,485	4,681	4,886	5,101	5,324	5,558
COUNTY-OTHER	4,744	4,025	2,586	2,586	2,586	2,586
<b>RED BASIN TOTAL</b>	<b>17,035</b>	<b>16,812</b>	<b>15,864</b>	<b>16,218</b>	<b>16,596</b>	<b>17,002</b>
CENTRAL BOWIE COUNTY WSC	6,453	6,888	7,631	8,453	9,363	10,372
DE KALB	1,451	1,482	1,500	1,509	1,529	1,549
MACEDONIA EYLAU MUD 1	8,742	8,892	8,939	8,939	8,939	8,939
MAUD	1,358	1,500	1,642	1,642	1,642	1,642
NASH	4,070	4,751	5,431	6,111	6,111	6,111
NEW BOSTON	4,208	4,327	4,363	4,363	4,363	4,363
REDWATER	3,749	4,229	4,709	5,189	5,429	5,429
RIVERBEND WATER RESOURCES DISTRICT	449	462	466	466	466	466
TEXARKANA	33,522	34,993	36,527	38,128	39,800	41,544
WAKE VILLAGE	6,150	6,850	7,550	8,250	8,950	8,950
COUNTY-OTHER	8,516	7,227	4,641	4,641	4,641	4,641
<b>SULPHUR BASIN TOTAL</b>	<b>78,668</b>	<b>81,601</b>	<b>83,399</b>	<b>87,691</b>	<b>91,233</b>	<b>94,006</b>
<b>BOWIE COUNTY TOTAL</b>	<b>95,703</b>	<b>98,413</b>	<b>99,263</b>	<b>103,909</b>	<b>107,829</b>	<b>111,008</b>
BI COUNTY WSC	6,265	7,531	8,521	9,695	10,786	11,850
PITTSBURG	4,712	4,946	5,128	5,345	5,546	5,743
COUNTY-OTHER	2,578	2,396	2,255	2,087	1,932	1,779
<b>CYPRESS BASIN TOTAL</b>	<b>13,555</b>	<b>14,873</b>	<b>15,904</b>	<b>17,127</b>	<b>18,264</b>	<b>19,372</b>
<b>CAMP COUNTY TOTAL</b>	<b>13,555</b>	<b>14,873</b>	<b>15,904</b>	<b>17,127</b>	<b>18,264</b>	<b>19,372</b>
ATLANTA	5,871	6,387	6,903	7,419	7,419	7,419
E M C WSC	793	793	793	793	793	793
EASTERN CASS WSC	1,925	1,939	1,939	1,939	1,939	1,939
HOLLY SPRINGS WSC	1,166	1,175	1,175	1,175	1,175	1,175
HUGHES SPRINGS	2,469	2,487	2,487	2,487	2,487	2,487
LINDEN	2,115	2,129	2,129	2,129	2,129	2,129
MIMS WSC	281	281	281	281	281	281
QUEEN CITY	1,063	1,071	1,071	1,071	1,071	1,071
WESTERN CASS WSC	1,838	1,851	1,851	1,851	1,851	1,851
COUNTY-OTHER	8,946	8,661	8,283	7,904	7,904	7,904
<b>CYPRESS BASIN TOTAL</b>	<b>26,467</b>	<b>26,774</b>	<b>26,912</b>	<b>27,049</b>	<b>27,049</b>	<b>27,049</b>
ATLANTA	6	7	7	8	8	8
EASTERN CASS WSC	149	150	150	150	150	150
QUEEN CITY	638	643	643	643	643	643



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

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
WESTERN CASS WSC	488	491	491	491	491	491
COUNTY-OTHER	3,268	3,164	3,026	2,888	2,888	2,888
<b>SULPHUR BASIN TOTAL</b>	<b>4,549</b>	<b>4,455</b>	<b>4,317</b>	<b>4,180</b>	<b>4,180</b>	<b>4,180</b>
<b>CASS COUNTY TOTAL</b>	<b>31,016</b>	<b>31,229</b>	<b>31,229</b>	<b>31,229</b>	<b>31,229</b>	<b>31,229</b>
COOPER	2,026	2,047	2,047	2,047	2,047	2,047
DELTA COUNTY MUD	1,785	1,810	1,825	1,850	1,902	1,958
NORTH HUNT SUD	286	290	290	290	290	290
COUNTY-OTHER	1,223	1,229	1,214	1,189	1,137	1,081
<b>SULPHUR BASIN TOTAL</b>	<b>5,320</b>	<b>5,376</b>	<b>5,376</b>	<b>5,376</b>	<b>5,376</b>	<b>5,376</b>
<b>DELTA COUNTY TOTAL</b>	<b>5,320</b>	<b>5,376</b>	<b>5,376</b>	<b>5,376</b>	<b>5,376</b>	<b>5,376</b>
CYPRESS SPRINGS SUD	4,235	4,427	4,542	4,655	4,739	4,805
WINNSBORO	744	778	798	818	833	844
COUNTY-OTHER	363	380	390	399	406	413
<b>CYPRESS BASIN TOTAL</b>	<b>5,342</b>	<b>5,585</b>	<b>5,730</b>	<b>5,872</b>	<b>5,978</b>	<b>6,062</b>
CYPRESS SPRINGS SUD	2,743	2,867	2,942	3,015	3,070	3,113
MOUNT VERNON	2,877	3,006	3,084	3,161	3,218	3,263
COUNTY-OTHER	162	169	174	178	181	184
<b>SULPHUR BASIN TOTAL</b>	<b>5,782</b>	<b>6,042</b>	<b>6,200</b>	<b>6,354</b>	<b>6,469</b>	<b>6,560</b>
<b>FRANKLIN COUNTY TOTAL</b>	<b>11,124</b>	<b>11,627</b>	<b>11,930</b>	<b>12,226</b>	<b>12,447</b>	<b>12,622</b>
GLENWOOD WSC	197	213	227	241	254	266
TRYON ROAD SUD	4,598	5,036	5,536	6,101	6,737	7,456
COUNTY-OTHER	232	253	278	307	341	380
<b>CYPRESS BASIN TOTAL</b>	<b>5,027</b>	<b>5,502</b>	<b>6,041</b>	<b>6,649</b>	<b>7,332</b>	<b>8,102</b>
CLARKSVILLE CITY	948	1,038	1,141	1,258	1,389	1,537
CROSS ROADS SUD	397	435	478	527	582	644
ELDERVILLE WSC	4,831	5,317	5,845	6,434	7,084	7,804
GLADEWATER	4,376	4,792	5,268	5,806	6,410	7,094
KILGORE	10,829	11,859	13,038	14,369	15,865	17,559
LIBERTY CITY WSC	4,844	5,305	5,833	6,428	7,097	7,855
LONGVIEW	86,261	94,468	103,852	114,453	126,372	139,860
STARRVILLE-FRIENDSHIP WSC	618	684	753	831	915	1,006
TRYON ROAD SUD	340	372	409	451	498	551
WEST GREGG SUD	3,549	3,887	4,273	4,710	5,199	5,755
WHITE OAK	6,966	7,628	8,386	9,243	10,205	11,294
COUNTY-OTHER	4,361	4,747	5,223	5,768	6,404	7,142
<b>SABINE BASIN TOTAL</b>	<b>128,320</b>	<b>140,532</b>	<b>154,499</b>	<b>170,278</b>	<b>188,020</b>	<b>208,101</b>
<b>GREGG COUNTY TOTAL</b>	<b>133,347</b>	<b>146,034</b>	<b>160,540</b>	<b>176,927</b>	<b>195,352</b>	<b>216,203</b>
BLOCKER CROSSROADS WSC	141	151	162	177	194	213
DIANA SUD	357	384	411	449	491	540
GUM SPRINGS WSC	2,226	2,391	2,561	2,800	3,061	3,368

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

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
HARLETON WSC	3,381	3,632	3,890	4,253	4,649	5,116
LEIGH WSC	1,519	1,631	1,747	1,910	2,088	2,297
MARSHALL	4,358	4,681	5,014	5,482	5,992	6,593
NORTH HARRISON WSC	1,374	1,475	1,580	1,727	1,889	2,078
PANOLA-BETHANY WSC	142	166	202	254	289	321
SCOTTSVILLE	373	401	430	470	513	565
TALLEY WSC	742	796	853	932	1,020	1,122
TRYON ROAD SUD	878	943	1,011	1,105	1,207	1,329
WASKOM	2,924	3,141	3,365	3,678	4,020	4,424
WEST HARRISON WSC	316	339	363	397	434	478
COUNTY-OTHER	7,751	8,237	8,672	9,276	10,066	11,062
<b>CYPRESS BASIN TOTAL</b>	<b>26,482</b>	<b>28,368</b>	<b>30,261</b>	<b>32,910</b>	<b>35,913</b>	<b>39,506</b>
BLOCKER CROSSROADS WSC	1,312	1,410	1,510	1,651	1,804	1,986
GILL WSC	1,620	1,739	1,863	2,037	2,226	2,450
GUM SPRINGS WSC	6,059	6,508	6,972	7,622	8,330	9,167
HALLSVILLE	4,003	4,298	4,605	5,034	5,503	6,055
LEIGH WSC	333	358	383	419	458	504
LONGVIEW	2,009	2,157	2,311	2,526	2,762	3,038
MARSHALL	20,403	21,913	23,475	25,666	28,054	30,869
PANOLA-BETHANY WSC	1,274	1,488	1,813	2,278	2,593	2,875
SCOTTSVILLE	768	826	884	967	1,057	1,162
TALLEY WSC	560	601	644	704	769	846
WEST HARRISON WSC	992	1,066	1,141	1,248	1,364	1,501
COUNTY-OTHER	4,522	4,806	5,059	5,412	5,873	6,454
<b>SABINE BASIN TOTAL</b>	<b>43,855</b>	<b>47,170</b>	<b>50,660</b>	<b>55,564</b>	<b>60,793</b>	<b>66,907</b>
<b>HARRISON COUNTY TOTAL</b>	<b>70,337</b>	<b>75,538</b>	<b>80,921</b>	<b>88,474</b>	<b>96,706</b>	<b>106,413</b>
CORNERSVILLE WSC	375	415	442	465	495	525
CYPRESS SPRINGS SUD	352	356	356	356	356	356
COUNTY-OTHER	25	21	18	21	18	19
<b>CYPRESS BASIN TOTAL</b>	<b>752</b>	<b>792</b>	<b>816</b>	<b>842</b>	<b>869</b>	<b>900</b>
BRASHEAR WSC	357	384	410	432	460	487
CASH SUD	104	112	119	123	131	138
CORNERSVILLE WSC	356	393	419	442	470	498
CUMBY	954	1,108	1,245	1,367	1,517	1,604
JONES WSC	158	191	220	246	278	310
LAKE FORK WSC	158	165	169	168	171	173
MARTIN SPRINGS WSC	2,970	3,475	3,936	4,351	4,847	5,270
MILLER GROVE WSC	1,242	1,334	1,411	1,453	1,535	1,615
SHADY GROVE NO 2 WSC	255	274	292	308	328	347
SHIRLEY WSC	1,626	1,739	1,826	1,884	1,972	2,026
SULPHUR SPRINGS	49	51	54	56	59	61

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

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
COUNTY-OTHER	936	788	686	770	681	714
<b>SABINE BASIN TOTAL</b>	<b>9,165</b>	<b>10,014</b>	<b>10,787</b>	<b>11,600</b>	<b>12,449</b>	<b>13,243</b>
BRASHEAR WSC	428	461	491	518	551	584
BRINKER WSC	2,369	2,737	3,071	3,456	3,825	4,198
CUMBY	90	104	118	129	143	151
CYPRESS SPRINGS SUD	709	716	716	716	716	716
GAFFORD CHAPEL WSC	1,215	1,308	1,393	1,491	1,585	1,680
MARTIN SPRINGS WSC	532	622	705	779	868	944
NORTH HOPKINS WSC	6,070	6,757	7,384	8,104	8,799	9,497
SHADY GROVE NO 2 WSC	311	334	356	376	399	424
SULPHUR SPRINGS	15,800	16,598	17,324	18,157	18,961	19,770
COUNTY-OTHER	537	452	394	442	391	410
<b>SULPHUR BASIN TOTAL</b>	<b>28,061</b>	<b>30,089</b>	<b>31,952</b>	<b>34,168</b>	<b>36,238</b>	<b>38,374</b>
<b>HOPKINS COUNTY TOTAL</b>	<b>37,978</b>	<b>40,895</b>	<b>43,555</b>	<b>46,610</b>	<b>49,556</b>	<b>52,517</b>
ABLES SPRINGS WSC	866	1,327	1,952	2,816	4,046	5,834
B H P WSC	4,421	5,494	6,950	8,960	11,824	15,986
BLACKLAND WSC	43	43	43	43	43	43
CADDO BASIN SUD	7,800	10,341	13,788	18,546	25,327	35,181
CADDO MILLS	1,710	2,214	2,898	3,843	5,190	7,147
CASH SUD	18,199	21,837	26,206	31,446	37,736	45,281
CELESTE	1,012	1,257	1,590	2,051	2,706	3,658
COMBINED CONSUMERS SUD	6,074	7,548	9,548	12,310	16,245	21,962
GREENVILLE	29,871	34,309	40,330	48,645	60,491	77,705
HICKORY CREEK SUD	2,098	3,067	4,381	6,196	8,781	12,538
JOSEPHINE	184	325	517	783	783	783
MACBEE SUD	346	430	544	701	925	1,250
POETRY WSC	2,303	2,909	3,668	4,729	6,341	8,535
QUINLAN	1,528	1,596	1,688	1,815	1,997	2,259
ROYSE CITY	372	462	584	753	994	1,345
SHADY GROVE WSC	1,476	1,834	2,320	2,991	3,947	5,336
WEST TAWAKONI	2,679	3,131	3,744	4,592	5,800	7,556
COUNTY-OTHER	5,797	10,055	16,409	21,654	32,937	53,262
<b>SABINE BASIN TOTAL</b>	<b>86,779</b>	<b>108,179</b>	<b>137,160</b>	<b>172,874</b>	<b>226,113</b>	<b>305,661</b>
CASH SUD	259	311	373	448	537	644
COMMERCE	8,883	9,975	11,456	13,502	16,416	20,651
DELTA COUNTY MUD	9	9	9	9	9	10
HICKORY CREEK SUD	1,456	2,128	3,040	4,299	6,094	8,701
NORTH HUNT SUD	3,522	4,602	6,069	8,092	10,974	15,163
TEXAS A&M UNIVERSITY COMMERCE	926	926	926	926	926	926
WOLFE CITY	1,720	2,137	2,704	3,486	4,600	6,220
COUNTY-OTHER	381	661	1,078	1,423	2,165	3,501

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

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
<b>SULPHUR BASIN TOTAL</b>	<b>17,156</b>	<b>20,749</b>	<b>25,655</b>	<b>32,185</b>	<b>41,721</b>	<b>55,816</b>
FROGNOT WSC	27	32	38	47	52	59
HICKORY CREEK SUD	718	1,050	1,499	2,120	3,005	4,291
WEST LEONARD WSC	50	57	70	90	129	171
COUNTY-OTHER	164	284	464	613	932	1,507
<b>TRINITY BASIN TOTAL</b>	<b>959</b>	<b>1,423</b>	<b>2,071</b>	<b>2,870</b>	<b>4,118</b>	<b>6,028</b>
<b>HUNT COUNTY TOTAL</b>	<b>104,894</b>	<b>130,351</b>	<b>164,886</b>	<b>207,929</b>	<b>271,952</b>	<b>367,505</b>
LAMAR COUNTY WSD	11,919	12,380	12,722	13,031	13,272	13,466
PARIS	10,495	10,901	11,201	11,474	11,686	11,857
RENO (Lamar)	438	455	467	479	487	495
COUNTY-OTHER	812	844	867	888	905	918
<b>RED BASIN TOTAL</b>	<b>23,664</b>	<b>24,580</b>	<b>25,257</b>	<b>25,872</b>	<b>26,350</b>	<b>26,736</b>
BLOSSOM	1,546	1,605	1,649	1,690	1,721	1,746
LAMAR COUNTY WSD	5,053	5,249	5,393	5,524	5,626	5,709
PARIS	16,735	17,382	17,862	18,296	18,635	18,908
RENO (Lamar)	2,881	2,992	3,074	3,148	3,207	3,254
COUNTY-OTHER	2,291	2,381	2,448	2,507	2,553	2,590
<b>SULPHUR BASIN TOTAL</b>	<b>28,506</b>	<b>29,609</b>	<b>30,426</b>	<b>31,165</b>	<b>31,742</b>	<b>32,207</b>
<b>LAMAR COUNTY TOTAL</b>	<b>52,170</b>	<b>54,189</b>	<b>55,683</b>	<b>57,037</b>	<b>58,092</b>	<b>58,943</b>
DIANA SUD	384	384	384	384	384	384
E M C WSC	2,405	2,405	2,405	2,405	2,405	2,405
HARLETON WSC	1,105	1,186	1,271	1,390	1,518	1,671
JEFFERSON	2,321	2,321	2,321	2,321	2,321	2,321
KELLYVILLE-BEREA WSC	1,291	1,291	1,291	1,291	1,291	1,291
MIMS WSC	1,622	1,622	1,622	1,622	1,622	1,622
COUNTY-OTHER	1,473	1,392	1,307	1,188	1,060	907
<b>CYPRESS BASIN TOTAL</b>	<b>10,601</b>	<b>10,601</b>	<b>10,601</b>	<b>10,601</b>	<b>10,601</b>	<b>10,601</b>
<b>MARION COUNTY TOTAL</b>	<b>10,601</b>	<b>10,601</b>	<b>10,601</b>	<b>10,601</b>	<b>10,601</b>	<b>10,601</b>
BI COUNTY WSC	1,168	1,190	1,213	1,249	1,277	1,306
DAINGERFIELD	2,602	2,650	2,702	2,782	2,845	2,908
HOLLY SPRINGS WSC	632	636	636	636	636	636
HUGHES SPRINGS	10	10	10	10	10	10
LONE STAR	1,664	1,694	1,729	1,780	1,819	1,860
NAPLES	608	619	632	650	665	680
OMAHA	720	733	748	770	787	805
TRI SUD	1,819	1,852	1,889	1,944	1,989	2,033
COUNTY-OTHER	2,094	2,140	2,192	2,271	2,334	2,394
<b>CYPRESS BASIN TOTAL</b>	<b>11,317</b>	<b>11,524</b>	<b>11,751</b>	<b>12,092</b>	<b>12,362</b>	<b>12,632</b>
NAPLES	736	750	766	787	805	823
OMAHA	491	500	510	525	537	549

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

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
COUNTY-OTHER	820	838	859	889	914	938
<b>SULPHUR BASIN TOTAL</b>	<b>2,047</b>	<b>2,088</b>	<b>2,135</b>	<b>2,201</b>	<b>2,256</b>	<b>2,310</b>
<b>MORRIS COUNTY TOTAL</b>	<b>13,364</b>	<b>13,612</b>	<b>13,886</b>	<b>14,293</b>	<b>14,618</b>	<b>14,942</b>
BRIGHT STAR SALEM SUD	2,525	2,677	2,721	2,750	2,762	2,768
CASH SUD	709	752	764	772	776	778
EAST TAWAKONI	1,158	1,228	1,248	1,262	1,268	1,270
EMORY	2,147	2,276	2,314	2,338	2,349	2,354
GOLDEN WSC	53	56	57	58	58	58
MILLER GROVE WSC	209	225	238	253	267	281
POINT	1,484	1,574	1,599	1,615	1,624	1,627
SHIRLEY WSC	750	803	843	869	910	935
SOUTH RAINS SUD	2,119	2,247	2,284	2,308	2,319	2,324
COUNTY-OTHER	734	767	741	722	674	640
<b>SABINE BASIN TOTAL</b>	<b>11,888</b>	<b>12,605</b>	<b>12,809</b>	<b>12,947</b>	<b>13,007</b>	<b>13,035</b>
<b>RAINS COUNTY TOTAL</b>	<b>11,888</b>	<b>12,605</b>	<b>12,809</b>	<b>12,947</b>	<b>13,007</b>	<b>13,035</b>
410 WSC	421	421	421	421	421	421
RED RIVER COUNTY WSC	1,546	1,642	1,739	1,772	1,790	1,859
COUNTY-OTHER	523	371	218	167	138	29
<b>RED BASIN TOTAL</b>	<b>2,490</b>	<b>2,434</b>	<b>2,378</b>	<b>2,360</b>	<b>2,349</b>	<b>2,309</b>
410 WSC	980	980	980	980	980	980
BOGATA	1,178	1,178	1,178	1,178	1,178	1,178
CLARKSVILLE	3,315	3,315	3,315	3,315	3,315	3,315
RED RIVER COUNTY WSC	4,286	4,554	4,822	4,912	4,963	5,153
COUNTY-OTHER	727	515	303	231	191	41
<b>SULPHUR BASIN TOTAL</b>	<b>10,486</b>	<b>10,542</b>	<b>10,598</b>	<b>10,616</b>	<b>10,627</b>	<b>10,667</b>
<b>RED RIVER COUNTY TOTAL</b>	<b>12,976</b>	<b>12,976</b>	<b>12,976</b>	<b>12,976</b>	<b>12,976</b>	<b>12,976</b>
CARROLL WSC	322	358	395	435	478	525
CRYSTAL SYSTEMS TEXAS	3,026	3,384	3,812	4,324	4,950	5,715
JACKSON WSC	2,244	2,559	2,919	3,338	3,832	4,420
LIBERTY CITY WSC	127	146	166	189	218	251
LINDALE	3,707	4,499	5,396	6,107	7,280	8,674
LINDALE RURAL WSC	6,814	7,774	8,864	9,604	11,027	12,717
OVERTON	73	82	95	109	125	144
PINE RIDGE WSC	1,277	1,417	1,564	1,725	1,896	2,081
SAND FLAT WSC	3,417	3,795	4,187	4,616	5,075	5,568
SMITH COUNTY MUD 1	2,033	2,320	2,646	3,025	3,476	4,008
SOUTHERN UTILITIES	11,488	12,926	14,673	17,320	19,900	22,959
STAR MOUNTAIN WSC	1,392	1,546	1,705	1,882	2,068	2,269
STARRVILLE-FRIENDSHIP WSC	1,504	1,665	1,834	2,023	2,226	2,448
TYLER	968	1,104	1,259	1,440	1,654	1,907

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

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
WEST GREGG SUD	881	1,005	1,146	1,311	1,505	1,736
WINONA	645	737	839	961	1,103	1,273
COUNTY-OTHER	4,622	5,504	6,444	7,866	9,280	11,067
<b>SABINE BASIN TOTAL</b>	<b>44,540</b>	<b>50,821</b>	<b>57,944</b>	<b>66,275</b>	<b>76,093</b>	<b>87,762</b>
<b>SMITH COUNTY TOTAL</b>	<b>44,540</b>	<b>50,821</b>	<b>57,944</b>	<b>66,275</b>	<b>76,093</b>	<b>87,762</b>
BI COUNTY WSC	331	375	418	467	518	572
CYPRESS SPRINGS SUD	108	122	136	153	169	186
MOUNT PLEASANT	17,512	19,775	22,118	24,689	27,397	30,257
TRI SUD	10,199	11,518	12,883	14,380	15,956	17,623
COUNTY-OTHER	1,142	1,290	1,443	1,611	1,787	1,974
<b>CYPRESS BASIN TOTAL</b>	<b>29,292</b>	<b>33,080</b>	<b>36,998</b>	<b>41,300</b>	<b>45,827</b>	<b>50,612</b>
CYPRESS SPRINGS SUD	173	195	219	244	271	299
TRI SUD	5,303	5,989	6,698	7,477	8,297	9,163
COUNTY-OTHER	1,875	2,117	2,368	2,644	2,935	3,241
<b>SULPHUR BASIN TOTAL</b>	<b>7,351</b>	<b>8,301</b>	<b>9,285</b>	<b>10,365</b>	<b>11,503</b>	<b>12,703</b>
<b>TITUS COUNTY TOTAL</b>	<b>36,643</b>	<b>41,381</b>	<b>46,283</b>	<b>51,665</b>	<b>57,330</b>	<b>63,315</b>
BI COUNTY WSC	3,546	3,830	4,076	4,329	4,559	4,776
DIANA SUD	4,868	5,259	5,596	5,943	6,260	6,557
EAST MOUNTAIN WATER SYSTEM	557	602	640	679	716	750
GILMER	5,695	6,154	6,548	6,953	7,325	7,673
GLENWOOD WSC	2,810	3,036	3,231	3,431	3,614	3,785
ORE CITY	1,298	1,402	1,492	1,585	1,669	1,748
PRITCHETT WSC	2,251	2,433	2,588	2,749	2,896	3,033
SHARON WSC	1,847	1,996	2,124	2,255	2,375	2,488
UNION GROVE WSC	80	86	92	98	103	108
COUNTY-OTHER	5,450	5,887	6,265	6,655	7,011	7,343
<b>CYPRESS BASIN TOTAL</b>	<b>28,402</b>	<b>30,685</b>	<b>32,652</b>	<b>34,677</b>	<b>36,528</b>	<b>38,261</b>
BIG SANDY	1,467	1,585	1,687	1,790	1,887	1,976
EAST MOUNTAIN WATER SYSTEM	1,445	1,560	1,662	1,763	1,858	1,947
FOUKE WSC	88	95	102	108	114	119
GLADEWATER	2,658	2,872	3,056	3,245	3,419	3,581
GLENWOOD WSC	72	78	83	88	93	97
PRITCHETT WSC	5,422	5,859	6,235	6,621	6,974	7,306
UNION GROVE WSC	2,134	2,306	2,453	2,605	2,745	2,874
COUNTY-OTHER	1,008	1,089	1,159	1,231	1,297	1,358
<b>SABINE BASIN TOTAL</b>	<b>14,294</b>	<b>15,444</b>	<b>16,437</b>	<b>17,451</b>	<b>18,387</b>	<b>19,258</b>
<b>UPSHUR COUNTY TOTAL</b>	<b>42,696</b>	<b>46,129</b>	<b>49,089</b>	<b>52,128</b>	<b>54,915</b>	<b>57,519</b>
BEN WHEELER WSC	2,537	2,783	2,972	3,160	3,316	3,448
BETHEL ASH WSC	706	924	1,091	1,258	1,395	1,512
EDOM WSC	1,191	1,303	1,393	1,486	1,604	1,729

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

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
LITTLE HOPE MOORE WSC	450	494	527	560	588	612
R P M WSC	2,065	2,553	2,926	3,296	3,604	3,867
VAN	1,916	2,138	2,308	2,475	2,614	2,733
COUNTY-OTHER	4,856	5,296	5,627	5,932	6,144	6,288
<b>NECHES BASIN TOTAL</b>	<b>13,721</b>	<b>15,491</b>	<b>16,844</b>	<b>18,167</b>	<b>19,265</b>	<b>20,189</b>
ABLES SPRINGS WSC	33	36	39	41	44	45
CANTON	3,964	4,333	4,616	4,898	5,131	5,329
COMBINED CONSUMERS SUD	1,107	1,214	1,296	1,378	1,447	1,505
EDGEWOOD	1,564	1,683	1,774	1,864	1,939	2,003
FRUITVALE WSC	3,383	3,712	3,964	4,214	4,421	4,599
GOLDEN WSC	680	736	780	823	859	889
GRAND SALINE	3,390	3,532	3,641	3,750	3,839	3,917
LITTLE HOPE MOORE WSC	1,030	1,131	1,207	1,283	1,347	1,400
MACBEE SUD	2,686	2,948	3,148	3,346	3,511	3,653
MYRTLE SPRINGS WSC	393	431	461	490	514	535
PINE RIDGE WSC	55	61	67	74	81	89
PRUITT SANDFLAT WSC	1,419	1,557	1,663	1,768	1,855	1,930
SOUTH TAWAKONI WSC	4,669	5,309	5,796	6,281	6,683	7,028
VAN	1,063	1,186	1,280	1,373	1,451	1,517
WILLS POINT	1,731	1,749	1,762	1,774	1,785	1,795
COUNTY-OTHER	4,423	4,823	5,126	5,404	5,597	5,728
<b>SABINE BASIN TOTAL</b>	<b>31,590</b>	<b>34,441</b>	<b>36,620</b>	<b>38,761</b>	<b>40,504</b>	<b>41,962</b>
BETHEL ASH WSC	199	261	308	355	393	426
CANTON	17	19	20	21	22	23
MABANK	243	271	299	391	546	761
MACBEE SUD	4,382	4,809	5,135	5,460	5,729	5,959
MYRTLE SPRINGS WSC	1,223	1,343	1,433	1,524	1,599	1,663
WILLS POINT	2,607	2,633	2,653	2,673	2,689	2,703
COUNTY-OTHER	4,473	4,878	5,184	5,465	5,660	5,792
<b>TRINITY BASIN TOTAL</b>	<b>13,144</b>	<b>14,214</b>	<b>15,032</b>	<b>15,889</b>	<b>16,638</b>	<b>17,327</b>
<b>VAN ZANDT COUNTY TOTAL</b>	<b>58,455</b>	<b>64,146</b>	<b>68,496</b>	<b>72,817</b>	<b>76,407</b>	<b>79,478</b>
CYPRESS SPRINGS SUD	438	456	463	475	480	485
SHARON WSC	1,266	1,319	1,340	1,373	1,389	1,400
WINNSBORO	1,135	1,182	1,201	1,231	1,245	1,255
COUNTY-OTHER	774	773	741	714	668	611
<b>CYPRESS BASIN TOTAL</b>	<b>3,613</b>	<b>3,730</b>	<b>3,745</b>	<b>3,793</b>	<b>3,782</b>	<b>3,751</b>
ALGONQUIN WATER RESOURCES OF TEXAS	1,589	1,765	1,947	2,147	2,360	2,589
BRIGHT STAR SALEM SUD	1,881	1,960	1,991	2,040	2,065	2,080
CORNNERSVILLE WSC	190	204	218	233	248	262
FOUKE WSC	6,564	6,837	6,949	7,119	7,203	7,260
GOLDEN WSC	2,603	2,711	2,754	2,822	2,855	2,879

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

	WUG POPULATION					
	2020	2030	2040	2050	2060	2070
HAWKINS	1,416	1,476	1,499	1,535	1,554	1,566
JONES WSC	4,367	4,550	4,623	4,736	4,792	4,831
LAKE FORK WSC	2,194	2,291	2,336	2,400	2,438	2,468
MINEOLA	5,356	5,581	5,671	5,809	5,878	5,925
NEW HOPE SUD	2,535	2,640	2,682	2,749	2,781	2,804
PRITCHETT WSC	84	88	89	91	92	93
QUITMAN	2,046	2,132	2,166	2,220	2,247	2,264
RAMEY WSC	3,687	3,841	3,903	3,999	4,046	4,079
SHARON WSC	2,594	2,703	2,745	2,813	2,847	2,870
SHIRLEY WSC	125	134	140	145	152	156
WINNSBORO	1,804	1,879	1,910	1,956	1,979	1,996
COUNTY-OTHER	2,214	2,213	2,120	2,044	1,910	1,749
<b>SABINE BASIN TOTAL</b>	<b>41,249</b>	<b>43,005</b>	<b>43,743</b>	<b>44,858</b>	<b>45,447</b>	<b>45,871</b>
<b>WOOD COUNTY TOTAL</b>	<b>44,862</b>	<b>46,735</b>	<b>47,488</b>	<b>48,651</b>	<b>49,229</b>	<b>49,622</b>
<b>REGION D TOTAL POPULATION</b>	<b>831,469</b>	<b>907,531</b>	<b>988,859</b>	<b>1,089,197</b>	<b>1,211,979</b>	<b>1,370,438</b>



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

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
BURNS REDBANK WSC	201	199	196	194	193	193
CENTRAL BOWIE COUNTY WSC	88	91	101	112	124	137
DE KALB	45	44	44	44	45	45
HOOKS	281	278	276	271	269	269
NEW BOSTON	409	411	407	406	405	405
RIVERBEND WATER RESOURCES DISTRICT	90	92	92	92	92	92
TEXARKANA	843	859	880	909	947	989
COUNTY-OTHER	567	460	288	287	286	286
MANUFACTURING	4	5	5	5	5	5
LIVESTOCK	687	687	624	535	458	427
IRRIGATION	6,070	6,070	6,070	6,070	6,070	6,070
<b>RED BASIN TOTAL</b>	<b>9,285</b>	<b>9,196</b>	<b>8,983</b>	<b>8,925</b>	<b>8,894</b>	<b>8,918</b>
CENTRAL BOWIE COUNTY WSC	531	548	607	672	745	825
DE KALB	250	248	245	247	249	253
MACEDONIA EYLAU MUD 1	588	598	601	601	601	601
MAUD	211	226	241	238	237	237
NASH	392	458	523	589	589	589
NEW BOSTON	981	988	978	975	974	974
REDWATER	506	553	601	654	682	682
RIVERBEND WATER RESOURCES DISTRICT	433	444	447	445	445	445
TEXARKANA	6,302	6,423	6,579	6,797	7,081	7,391
WAKE VILLAGE	699	750	802	861	932	931
COUNTY-OTHER	1,017	826	518	516	514	514
MANUFACTURING	1,607	2,042	2,042	2,042	2,042	2,042
LIVESTOCK	1,138	1,138	1,033	886	759	709
IRRIGATION	4,303	4,303	4,303	4,303	4,303	4,303
<b>SULPHUR BASIN TOTAL</b>	<b>18,958</b>	<b>19,545</b>	<b>19,520</b>	<b>19,826</b>	<b>20,153</b>	<b>20,496</b>
<b>BOWIE COUNTY TOTAL</b>	<b>28,243</b>	<b>28,741</b>	<b>28,503</b>	<b>28,751</b>	<b>29,047</b>	<b>29,414</b>
BI COUNTY WSC	648	751	830	933	1,035	1,136
PITTSBURG	832	851	864	891	922	955
COUNTY-OTHER	173	161	152	140	130	120
MANUFACTURING	35	52	52	52	52	52
MINING	12	11	10	9	8	7
LIVESTOCK	4,914	4,914	4,914	4,914	4,914	4,914
<b>CYPRESS BASIN TOTAL</b>	<b>6,614</b>	<b>6,740</b>	<b>6,822</b>	<b>6,939</b>	<b>7,061</b>	<b>7,184</b>
<b>CAMP COUNTY TOTAL</b>	<b>6,614</b>	<b>6,740</b>	<b>6,822</b>	<b>6,939</b>	<b>7,061</b>	<b>7,184</b>
ATLANTA	1,016	1,074	1,134	1,208	1,205	1,205
E M C WSC	53	53	53	53	53	53
EASTERN CASS WSC	152	147	142	139	138	138
HOLLY SPRINGS WSC	107	103	99	97	97	97
HUGHES SPRINGS	278	267	257	255	254	254
LINDEN	301	292	285	284	283	283
MIMS WSC	19	19	19	19	19	19
QUEEN CITY	161	157	152	152	152	152
WESTERN CASS WSC	172	165	159	157	156	156
COUNTY-OTHER	796	729	664	623	620	620
MANUFACTURING	244	245	245	245	245	245

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

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MINING	39	58	60	45	30	20
LIVESTOCK	1,349	1,349	1,349	1,349	1,349	1,349
<b>CYPRESS BASIN TOTAL</b>	<b>4,687</b>	<b>4,658</b>	<b>4,618</b>	<b>4,626</b>	<b>4,601</b>	<b>4,591</b>
ATLANTA	1	1	1	1	1	1
EASTERN CASS WSC	12	11	11	11	11	11
QUEEN CITY	97	94	92	91	91	91
WESTERN CASS WSC	46	44	42	42	42	42
COUNTY-OTHER	291	266	243	227	226	226
MANUFACTURING	32,479	32,554	32,554	32,554	32,554	32,554
LIVESTOCK	1,308	1,308	1,308	1,308	1,308	1,308
<b>SULPHUR BASIN TOTAL</b>	<b>34,234</b>	<b>34,278</b>	<b>34,251</b>	<b>34,234</b>	<b>34,233</b>	<b>34,233</b>
<b>CASS COUNTY TOTAL</b>	<b>38,921</b>	<b>38,936</b>	<b>38,869</b>	<b>38,860</b>	<b>38,834</b>	<b>38,824</b>
COOPER	446	440	431	430	429	429
DELTA COUNTY MUD	126	122	123	124	128	132
NORTH HUNT SUD	19	19	19	19	19	19
COUNTY-OTHER	82	83	82	80	76	73
LIVESTOCK	541	541	541	541	541	541
IRRIGATION	2,396	2,396	2,396	2,396	2,396	2,396
<b>SULPHUR BASIN TOTAL</b>	<b>3,610</b>	<b>3,601</b>	<b>3,592</b>	<b>3,590</b>	<b>3,589</b>	<b>3,590</b>
<b>DELTA COUNTY TOTAL</b>	<b>3,610</b>	<b>3,601</b>	<b>3,592</b>	<b>3,590</b>	<b>3,589</b>	<b>3,590</b>
CYPRESS SPRINGS SUD	382	382	379	382	387	392
WINNSBORO	139	142	142	145	147	149
COUNTY-OTHER	68	70	71	73	74	75
MANUFACTURING	5	7	7	7	7	7
LIVESTOCK	1,139	1,139	1,139	1,139	1,139	1,139
IRRIGATION	34	34	34	34	34	34
<b>CYPRESS BASIN TOTAL</b>	<b>1,767</b>	<b>1,774</b>	<b>1,772</b>	<b>1,780</b>	<b>1,788</b>	<b>1,796</b>
IRRIGATION	35	35	35	35	35	35
<b>SABINE BASIN TOTAL</b>	<b>35</b>	<b>35</b>	<b>35</b>	<b>35</b>	<b>35</b>	<b>35</b>
CYPRESS SPRINGS SUD	248	248	246	247	250	254
MOUNT VERNON	564	577	582	591	600	609
COUNTY-OTHER	30	31	32	32	33	34
MINING	5	5	4	4	3	2
LIVESTOCK	1,711	1,711	1,711	1,711	1,711	1,711
IRRIGATION	34	34	34	34	34	34
<b>SULPHUR BASIN TOTAL</b>	<b>2,592</b>	<b>2,606</b>	<b>2,609</b>	<b>2,619</b>	<b>2,631</b>	<b>2,644</b>
<b>FRANKLIN COUNTY TOTAL</b>	<b>4,394</b>	<b>4,415</b>	<b>4,416</b>	<b>4,434</b>	<b>4,454</b>	<b>4,475</b>
GLENWOOD WSC	20	20	21	22	23	24
TRYON ROAD SUD	668	709	761	829	913	1,009
COUNTY-OTHER	30	31	33	37	41	45
MINING	14	22	22	17	13	9
LIVESTOCK	11	11	11	11	11	11
<b>CYPRESS BASIN TOTAL</b>	<b>743</b>	<b>793</b>	<b>848</b>	<b>916</b>	<b>1,001</b>	<b>1,098</b>
CLARKSVILLE CITY	100	105	112	121	133	147
CROSS ROADS SUD	33	34	36	39	43	47
ELDERVILLE WSC	325	357	393	432	476	524
GLADEWATER	731	778	838	913	1,006	1,113

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

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
KILGORE	2,336	2,505	2,713	2,967	3,271	3,618
LIBERTY CITY WSC	487	510	543	589	648	716
LONGVIEW	23,716	25,539	27,736	30,380	33,500	37,060
STARRVILLE-FRIENDSHIP WSC	72	77	83	90	99	109
TRYON ROAD SUD	49	52	56	61	68	75
WEST GREGG SUD	307	320	340	368	405	447
WHITE OAK	1,347	1,441	1,558	1,703	1,876	2,076
COUNTY-OTHER	565	590	630	693	767	855
MANUFACTURING	1,233	1,517	1,517	1,517	1,517	1,517
MINING	260	411	407	320	233	171
STEAM ELECTRIC POWER	940	940	940	940	940	940
LIVESTOCK	199	199	199	199	199	199
IRRIGATION	40	40	40	40	40	40
<b>SABINE BASIN TOTAL</b>	<b>32,740</b>	<b>35,415</b>	<b>38,141</b>	<b>41,372</b>	<b>45,221</b>	<b>49,654</b>
<b>GREGG COUNTY TOTAL</b>	<b>33,483</b>	<b>36,208</b>	<b>38,989</b>	<b>42,288</b>	<b>46,222</b>	<b>50,752</b>
BLOCKER CROSSROADS WSC	13	13	14	15	16	17
DIANA SUD	31	32	33	35	38	42
GUM SPRINGS WSC	207	211	218	234	254	280
HARLETON WSC	345	354	367	394	429	472
LEIGH WSC	337	355	374	406	443	487
MARSHALL	879	921	968	1,049	1,144	1,258
NORTH HARRISON WSC	141	145	150	161	176	193
PANOLA-BETHANY WSC	28	32	38	48	54	60
SCOTTSVILLE	81	85	90	97	106	117
TALLEY WSC	56	56	58	63	68	75
TRYON ROAD SUD	127	133	139	150	164	180
WASKOM	435	453	475	512	559	614
WEST HARRISON WSC	31	32	33	35	38	42
COUNTY-OTHER	908	928	949	999	1,080	1,186
MANUFACTURING	14	16	16	16	16	16
MINING	525	437	366	297	229	180
LIVESTOCK	382	402	422	442	464	489
IRRIGATION	419	419	419	419	419	419
<b>CYPRESS BASIN TOTAL</b>	<b>4,959</b>	<b>5,024</b>	<b>5,129</b>	<b>5,372</b>	<b>5,697</b>	<b>6,127</b>
BLOCKER CROSSROADS WSC	120	123	126	135	147	162
GILL WSC	187	191	198	215	234	258
GUM SPRINGS WSC	563	576	595	637	693	761
HALLSVILLE	545	569	597	645	703	773
LEIGH WSC	74	78	82	89	97	107
LONGVIEW	552	583	617	671	732	805
MARSHALL	4,115	4,311	4,531	4,910	5,356	5,890
PANOLA-BETHANY WSC	253	288	345	430	489	542
SCOTTSVILLE	166	175	184	201	219	240
TALLEY WSC	42	42	43	47	52	57
WEST HARRISON WSC	97	99	103	111	121	132
COUNTY-OTHER	530	542	553	583	630	692

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

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MANUFACTURING	24,722	27,924	27,924	27,924	27,924	27,924
MINING	1,973	1,640	1,374	1,115	859	675
STEAM ELECTRIC POWER	21,112	21,112	21,112	21,112	21,112	21,112
LIVESTOCK	254	267	280	294	309	326
IRRIGATION	282	282	282	282	282	282
<b>SABINE BASIN TOTAL</b>	<b>55,587</b>	<b>58,802</b>	<b>58,946</b>	<b>59,401</b>	<b>59,959</b>	<b>60,738</b>
<b>HARRISON COUNTY TOTAL</b>	<b>60,546</b>	<b>63,826</b>	<b>64,075</b>	<b>64,773</b>	<b>65,656</b>	<b>66,865</b>
CORNERSVILLE WSC	49	53	55	57	61	64
CYPRESS SPRINGS SUD	32	31	30	29	29	29
COUNTY-OTHER	3	2	2	2	2	2
MINING	31	34	37	40	43	47
LIVESTOCK	121	121	121	121	121	121
IRRIGATION	1	1	1	1	1	1
<b>CYPRESS BASIN TOTAL</b>	<b>237</b>	<b>242</b>	<b>246</b>	<b>250</b>	<b>257</b>	<b>264</b>
BRASHEAR WSC	67	70	74	77	82	87
CASH SUD	12	12	13	13	14	15
CORNERSVILLE WSC	47	50	52	55	57	61
CUMBY	122	136	150	163	180	190
JONES WSC	14	16	18	20	22	25
LAKE FORK WSC	16	16	15	15	15	16
MARTIN SPRINGS WSC	360	405	449	490	544	592
MILLER GROVE WSC	171	178	184	188	198	208
SHADY GROVE NO 2 WSC	48	50	53	55	59	62
SHIRLEY WSC	218	226	232	236	247	253
SULPHUR SPRINGS	10	10	10	11	11	11
COUNTY-OTHER	111	90	76	83	73	77
MINING	320	349	379	412	449	489
LIVESTOCK	1,490	1,490	1,490	1,490	1,490	1,490
IRRIGATION	16	16	16	16	16	16
<b>SABINE BASIN TOTAL</b>	<b>3,022</b>	<b>3,114</b>	<b>3,211</b>	<b>3,324</b>	<b>3,457</b>	<b>3,592</b>
BRASHEAR WSC	81	85	89	93	99	105
BRINKER WSC	253	281	307	341	377	413
CUMBY	11	13	14	15	17	18
CYPRESS SPRINGS SUD	64	62	60	59	59	58
GAFFORD CHAPEL WSC	109	111	115	121	128	135
MARTIN SPRINGS WSC	64	73	80	88	98	106
NORTH HOPKINS WSC	474	494	514	554	598	645
SHADY GROVE NO 2 WSC	59	62	65	68	72	76
SULPHUR SPRINGS	3,108	3,189	3,268	3,392	3,536	3,686
COUNTY-OTHER	63	51	43	48	42	44
MANUFACTURING	944	968	968	968	968	968
MINING	680	741	806	877	954	1,041
LIVESTOCK	3,887	3,887	3,887	3,887	3,887	3,887
IRRIGATION	4,752	4,752	4,752	4,752	4,752	4,752
<b>SULPHUR BASIN TOTAL</b>	<b>14,549</b>	<b>14,769</b>	<b>14,968</b>	<b>15,263</b>	<b>15,587</b>	<b>15,934</b>
<b>HOPKINS COUNTY TOTAL</b>	<b>17,808</b>	<b>18,125</b>	<b>18,425</b>	<b>18,837</b>	<b>19,301</b>	<b>19,790</b>

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

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
ABLES SPRINGS WSC	58	89	131	189	272	392
B H P WSC	330	386	471	602	795	1,074
BLACKLAND WSC	9	9	8	8	8	8
CADDO BASIN SUD	870	1,105	1,438	1,914	2,607	3,617
CADDO MILLS	152	187	237	310	417	573
CASH SUD	2,090	2,429	2,861	3,403	4,072	4,881
CELESTE	124	147	181	231	304	411
COMBINED CONSUMERS SUD	502	589	718	911	1,197	1,615
GREENVILLE	9,271	10,481	12,187	14,624	18,163	23,319
HICKORY CREEK SUD	209	293	410	576	814	1,162
JOSEPHINE	39	68	108	164	164	164
MACBEE SUD	23	29	37	47	62	84
POETRY WSC	253	309	382	488	653	878
QUINLAN	134	133	134	140	154	174
ROYSE CITY	43	52	65	83	110	149
SHADY GROVE WSC	139	164	202	257	338	457
WEST TAWAKONI	276	309	360	436	549	714
COUNTY-OTHER	723	1,212	1,947	2,552	3,873	6,258
MANUFACTURING	404	490	490	490	490	490
MINING	90	83	62	50	41	33
STEAM ELECTRIC POWER	373	373	373	373	373	373
LIVESTOCK	771	771	771	771	771	771
IRRIGATION	264	264	264	264	264	264
<b>SABINE BASIN TOTAL</b>	<b>17,147</b>	<b>19,972</b>	<b>23,837</b>	<b>28,883</b>	<b>36,491</b>	<b>47,861</b>
CASH SUD	30	35	41	48	58	69
COMMERCE	1,427	1,555	1,749	2,039	2,473	3,108
DELTA COUNTY MUD	1	1	1	1	1	1
HICKORY CREEK SUD	145	203	285	399	565	806
NORTH HUNT SUD	237	309	408	544	738	1,019
TEXAS A&M UNIVERSITY COMMERCE	156	152	150	149	148	148
WOLFE CITY	169	199	243	311	409	552
COUNTY-OTHER	47	80	128	168	255	411
MANUFACTURING	151	182	182	182	182	182
MINING	35	32	24	19	16	13
LIVESTOCK	288	288	288	288	288	288
IRRIGATION	79	79	79	79	79	79
<b>SULPHUR BASIN TOTAL</b>	<b>2,765</b>	<b>3,115</b>	<b>3,578</b>	<b>4,227</b>	<b>5,212</b>	<b>6,676</b>
FROGNOT WSC	3	3	4	5	5	6
HICKORY CREEK SUD	71	100	140	197	279	397
WEST LEONARD WSC	7	7	9	11	16	21
COUNTY-OTHER	20	34	55	72	110	177
MINING	3	3	2	2	1	1
LIVESTOCK	36	36	36	36	36	36
IRRIGATION	12	12	12	12	12	12
<b>TRINITY BASIN TOTAL</b>	<b>152</b>	<b>195</b>	<b>258</b>	<b>335</b>	<b>459</b>	<b>650</b>
<b>HUNT COUNTY TOTAL</b>	<b>20,064</b>	<b>23,282</b>	<b>27,673</b>	<b>33,445</b>	<b>42,162</b>	<b>55,187</b>
LAMAR COUNTY WSD	1,556	1,572	1,582	1,601	1,626	1,650

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

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
PARIS	1,179	1,172	1,163	1,169	1,187	1,204
RENO (Lamar)	72	73	74	75	76	78
COUNTY-OTHER	125	127	130	133	135	137
MANUFACTURING	309	316	316	316	316	316
STEAM ELECTRIC POWER	420	420	420	420	420	420
LIVESTOCK	617	617	617	617	617	617
IRRIGATION	7,608	7,608	7,608	7,608	7,608	7,608
<b>RED BASIN TOTAL</b>	<b>11,886</b>	<b>11,905</b>	<b>11,910</b>	<b>11,939</b>	<b>11,985</b>	<b>12,030</b>
BLOSSOM	136	134	131	131	133	135
LAMAR COUNTY WSD	660	666	670	679	690	699
PARIS	1,880	1,870	1,854	1,864	1,892	1,919
RENO (Lamar)	476	483	488	495	503	510
COUNTY-OTHER	354	358	368	375	381	387
MANUFACTURING	4,717	4,821	4,821	4,821	4,821	4,821
STEAM ELECTRIC POWER	5,091	5,091	5,091	5,091	5,091	5,091
LIVESTOCK	852	852	852	852	852	852
IRRIGATION	2,518	2,518	2,518	2,518	2,518	2,518
<b>SULPHUR BASIN TOTAL</b>	<b>16,684</b>	<b>16,793</b>	<b>16,793</b>	<b>16,826</b>	<b>16,881</b>	<b>16,932</b>
<b>LAMAR COUNTY TOTAL</b>	<b>28,570</b>	<b>28,698</b>	<b>28,703</b>	<b>28,765</b>	<b>28,866</b>	<b>28,962</b>
DIANA SUD	33	32	31	30	30	30
E M C WSC	162	162	162	162	162	162
HARLETON WSC	113	116	120	129	140	154
JEFFERSON	426	415	406	401	400	400
KELLYVILLE-BEREA WSC	107	101	96	94	94	94
MIMS WSC	109	109	109	109	109	109
COUNTY-OTHER	99	94	88	80	71	61
MINING	489	764	712	595	478	393
STEAM ELECTRIC POWER	4,257	4,257	4,257	4,257	4,257	4,257
LIVESTOCK	188	188	188	188	188	188
IRRIGATION	12	12	12	12	12	12
<b>CYPRESS BASIN TOTAL</b>	<b>5,995</b>	<b>6,250</b>	<b>6,181</b>	<b>6,057</b>	<b>5,941</b>	<b>5,860</b>
<b>MARION COUNTY TOTAL</b>	<b>5,995</b>	<b>6,250</b>	<b>6,181</b>	<b>6,057</b>	<b>5,941</b>	<b>5,860</b>
BI COUNTY WSC	121	119	118	120	123	125
DAINGERFIELD	465	460	459	468	477	488
HOLLY SPRINGS WSC	58	56	53	53	53	53
HUGHES SPRINGS	1	1	1	1	1	1
LONE STAR	189	184	181	184	187	191
NAPLES	70	69	67	69	70	71
OMAHA	127	125	125	127	130	133
TRI SUD	181	177	176	179	183	186
COUNTY-OTHER	253	248	246	254	260	267
MANUFACTURING	25,738	25,743	25,743	25,743	25,743	25,743
STEAM ELECTRIC POWER	50	50	50	50	50	50
LIVESTOCK	836	836	836	836	836	836
IRRIGATION	3	3	3	3	3	3
<b>CYPRESS BASIN TOTAL</b>	<b>28,092</b>	<b>28,071</b>	<b>28,058</b>	<b>28,087</b>	<b>28,116</b>	<b>28,147</b>
NAPLES	85	83	82	83	85	87

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

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
OMAHA	86	86	86	87	89	91
COUNTY-OTHER	99	97	96	99	102	104
LIVESTOCK	769	769	769	769	769	769
IRRIGATION	8	8	8	8	8	8
<b>SULPHUR BASIN TOTAL</b>	<b>1,047</b>	<b>1,043</b>	<b>1,041</b>	<b>1,046</b>	<b>1,053</b>	<b>1,059</b>
<b>MORRIS COUNTY TOTAL</b>	<b>29,139</b>	<b>29,114</b>	<b>29,099</b>	<b>29,133</b>	<b>29,169</b>	<b>29,206</b>
BRIGHT STAR SALEM SUD	203	202	195	195	195	196
CASH SUD	81	84	83	84	84	84
EAST TAWAKONI	237	246	247	247	248	248
EMORY	791	829	837	842	845	847
GOLDEN WSC	4	4	4	4	4	4
MILLER GROVE WSC	29	30	31	33	34	36
POINT	364	379	380	381	383	383
SHIRLEY WSC	101	104	107	109	114	117
SOUTH RAINS SUD	190	192	188	187	187	188
COUNTY-OTHER	74	75	71	69	64	61
MANUFACTURING	12	12	12	12	12	12
LIVESTOCK	428	428	428	428	428	428
IRRIGATION	65	65	65	65	65	65
<b>SABINE BASIN TOTAL</b>	<b>2,579</b>	<b>2,650</b>	<b>2,648</b>	<b>2,656</b>	<b>2,663</b>	<b>2,669</b>
<b>RAINS COUNTY TOTAL</b>	<b>2,579</b>	<b>2,650</b>	<b>2,648</b>	<b>2,656</b>	<b>2,663</b>	<b>2,669</b>
410 WSC	67	66	64	64	63	63
RED RIVER COUNTY WSC	117	116	117	119	120	125
COUNTY-OTHER	67	45	26	20	16	3
LIVESTOCK	762	762	762	762	762	762
IRRIGATION	1,279	1,279	1,279	1,279	1,279	1,279
<b>RED BASIN TOTAL</b>	<b>2,292</b>	<b>2,268</b>	<b>2,248</b>	<b>2,244</b>	<b>2,240</b>	<b>2,232</b>
410 WSC	157	152	149	148	148	148
BOGATA	123	116	113	112	112	112
CLARKSVILLE	620	602	593	592	590	590
RED RIVER COUNTY WSC	323	322	324	330	334	346
COUNTY-OTHER	92	63	37	28	23	5
MANUFACTURING	3	3	3	3	3	3
MINING	4	4	3	3	3	3
LIVESTOCK	770	770	770	770	770	770
IRRIGATION	2,588	2,588	2,588	2,588	2,588	2,588
<b>SULPHUR BASIN TOTAL</b>	<b>4,680</b>	<b>4,620</b>	<b>4,580</b>	<b>4,574</b>	<b>4,571</b>	<b>4,565</b>
<b>RED RIVER COUNTY TOTAL</b>	<b>6,972</b>	<b>6,888</b>	<b>6,828</b>	<b>6,818</b>	<b>6,811</b>	<b>6,797</b>
CARROLL WSC	37	40	43	47	52	57
CRYSTAL SYSTEMS TEXAS	945	1,045	1,175	1,331	1,522	1,757
JACKSON WSC	205	222	244	274	314	361
LIBERTY CITY WSC	13	14	15	17	20	23
LINDALE	841	1,005	1,195	1,347	1,604	1,910
LINDALE RURAL WSC	532	576	635	675	772	888
OVERTON	15	17	19	22	25	29
PINE RIDGE WSC	149	160	172	188	206	226

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

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
SAND FLAT WSC	243	255	281	310	341	374
SMITH COUNTY MUD 1	910	1,030	1,169	1,334	1,531	1,765
SOUTHERN UTILITIES	1,964	2,152	2,395	2,799	3,209	3,700
STAR MOUNTAIN WSC	233	252	274	300	329	361
STARRVILLE-FRIENDSHIP WSC	176	187	202	220	241	265
TYLER	185	206	232	263	301	347
WEST GREGG SUD	76	83	91	103	117	135
WINONA	133	149	166	189	217	250
COUNTY-OTHER	544	627	718	868	1,021	1,216
MANUFACTURING	4	5	5	5	5	5
MINING	287	309	341	394	438	497
LIVESTOCK	514	514	514	514	514	514
IRRIGATION	324	324	324	324	324	324
<b>SABINE BASIN TOTAL</b>	<b>8,330</b>	<b>9,172</b>	<b>10,210</b>	<b>11,524</b>	<b>13,103</b>	<b>15,004</b>
<b>SMITH COUNTY TOTAL</b>	<b>8,330</b>	<b>9,172</b>	<b>10,210</b>	<b>11,524</b>	<b>13,103</b>	<b>15,004</b>
BI COUNTY WSC	34	37	41	45	50	55
CYPRESS SPRINGS SUD	10	10	12	13	14	15
MOUNT PLEASANT	3,890	4,302	4,745	5,260	5,828	6,433
TRI SUD	1,013	1,102	1,203	1,325	1,465	1,616
COUNTY-OTHER	179	197	220	245	271	299
MANUFACTURING	4,063	4,155	4,155	4,155	4,155	4,155
MINING	1,512	1,632	1,756	1,890	2,038	2,200
STEAM ELECTRIC POWER	61,931	61,931	61,931	61,931	61,931	61,931
LIVESTOCK	1,356	1,356	1,356	1,356	1,356	1,356
IRRIGATION	110	110	110	110	110	110
<b>CYPRESS BASIN TOTAL</b>	<b>74,098</b>	<b>74,832</b>	<b>75,529</b>	<b>76,330</b>	<b>77,218</b>	<b>78,170</b>
CYPRESS SPRINGS SUD	15	17	18	20	22	25
TRI SUD	526	573	625	689	762	841
COUNTY-OTHER	295	323	360	401	445	491
MINING	132	143	153	165	178	192
LIVESTOCK	1,591	1,591	1,591	1,591	1,591	1,591
IRRIGATION	943	943	943	943	943	943
<b>SULPHUR BASIN TOTAL</b>	<b>3,502</b>	<b>3,590</b>	<b>3,690</b>	<b>3,809</b>	<b>3,941</b>	<b>4,083</b>
<b>TITUS COUNTY TOTAL</b>	<b>77,600</b>	<b>78,422</b>	<b>79,219</b>	<b>80,139</b>	<b>81,159</b>	<b>82,253</b>
BI COUNTY WSC	367	382	397	417	437	458
DIANA SUD	422	435	447	466	488	511
EAST MOUNTAIN WATER SYSTEM	67	70	72	75	79	83
GILMER	1,123	1,184	1,237	1,301	1,368	1,432
GLENWOOD WSC	280	290	297	311	327	341
ORE CITY	155	160	166	173	182	190
PRITCHETT WSC	199	204	208	217	227	238
SHARON WSC	147	149	150	158	166	174
UNION GROVE WSC	6	6	6	7	7	7
COUNTY-OTHER	620	646	668	699	734	769
MANUFACTURING	69	76	76	76	76	76
MINING	299	573	608	480	355	263



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

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
LIVESTOCK	1,222	1,222	1,222	1,222	1,222	1,222
IRRIGATION	170	170	170	170	170	170
<b>CYPRESS BASIN TOTAL</b>	<b>5,146</b>	<b>5,567</b>	<b>5,724</b>	<b>5,772</b>	<b>5,838</b>	<b>5,934</b>
BIG SANDY	224	234	244	255	269	281
EAST MOUNTAIN WATER SYSTEM	173	180	187	196	206	215
FOUKE WSC	10	10	11	11	12	12
GLADEWATER	444	466	486	510	537	562
GLENWOOD WSC	7	7	8	8	8	9
PRITCHETT WSC	478	490	502	521	547	572
UNION GROVE WSC	151	155	165	175	184	193
COUNTY-OTHER	115	119	123	129	136	142
MINING	80	153	163	129	95	70
LIVESTOCK	429	429	429	429	429	429
<b>SABINE BASIN TOTAL</b>	<b>2,111</b>	<b>2,243</b>	<b>2,318</b>	<b>2,363</b>	<b>2,423</b>	<b>2,485</b>
<b>UPSHUR COUNTY TOTAL</b>	<b>7,257</b>	<b>7,810</b>	<b>8,042</b>	<b>8,135</b>	<b>8,261</b>	<b>8,419</b>
BEN WHEELER WSC	214	223	230	240	250	260
BETHEL ASH WSC	72	90	105	119	132	143
EDOM WSC	130	137	142	150	161	173
LITTLE HOPE MOORE WSC	45	47	49	51	54	55
R P M WSC	225	268	301	336	366	393
VAN	237	255	269	286	301	315
COUNTY-OTHER	502	527	546	568	586	600
MINING	81	86	97	107	116	127
LIVESTOCK	1,015	1,015	1,015	1,015	1,015	1,015
IRRIGATION	500	500	500	500	500	500
<b>NECHES BASIN TOTAL</b>	<b>3,021</b>	<b>3,148</b>	<b>3,254</b>	<b>3,372</b>	<b>3,481</b>	<b>3,581</b>
ABLES SPRINGS WSC	2	2	3	3	3	3
CANTON	961	1,032	1,084	1,143	1,196	1,242
COMBINED CONSUMERS SUD	92	95	98	102	107	111
EDGEWOOD	272	285	295	307	318	329
FRUITVALE WSC	305	318	329	343	359	373
GOLDEN WSC	55	56	57	58	61	63
GRAND SALINE	387	388	387	392	400	408
LITTLE HOPE MOORE WSC	102	108	111	117	122	127
MACBEE SUD	181	198	212	225	236	245
MYRTLE SPRINGS WSC	29	30	31	33	35	36
PINE RIDGE WSC	6	7	7	8	9	10
PRUITT SANDFLAT WSC	156	164	171	179	187	195
SOUTH TAWAKONI WSC	438	472	498	530	562	590
VAN	132	142	150	158	167	174
WILLS POINT	300	296	292	290	291	293
COUNTY-OTHER	457	480	498	517	534	546
MANUFACTURING	503	753	753	753	753	753
MINING	141	150	168	186	202	221
LIVESTOCK	661	661	661	661	661	661
<b>SABINE BASIN TOTAL</b>	<b>5,180</b>	<b>5,637</b>	<b>5,805</b>	<b>6,005</b>	<b>6,203</b>	<b>6,380</b>
BETHEL ASH WSC	20	26	29	34	37	40

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

	WUG DEMAND (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
CANTON	4	4	5	5	5	5
MABANK	48	53	58	75	104	145
MACBEE SUD	294	323	345	367	385	401
MYRTLE SPRINGS WSC	89	93	96	102	107	112
WILLS POINT	453	445	439	437	439	441
COUNTY-OTHER	462	486	503	523	540	552
MANUFACTURING	3	4	4	4	4	4
MINING	78	83	93	103	112	122
LIVESTOCK	213	213	213	213	213	213
<b>TRINITY BASIN TOTAL</b>	<b>1,664</b>	<b>1,730</b>	<b>1,785</b>	<b>1,863</b>	<b>1,946</b>	<b>2,035</b>
<b>VAN ZANDT COUNTY TOTAL</b>	<b>9,865</b>	<b>10,515</b>	<b>10,844</b>	<b>11,240</b>	<b>11,630</b>	<b>11,996</b>
CYPRESS SPRINGS SUD	40	39	39	39	39	40
SHARON WSC	101	98	94	96	97	98
WINNSBORO	212	215	214	217	220	221
COUNTY-OTHER	75	74	70	67	63	58
MINING	2	2	2	2	2	2
LIVESTOCK	483	483	483	483	483	483
IRRIGATION	36	36	36	36	36	36
<b>CYPRESS BASIN TOTAL</b>	<b>949</b>	<b>947</b>	<b>938</b>	<b>940</b>	<b>940</b>	<b>938</b>
ALGONQUIN WATER RESOURCES OF TEXAS	107	119	131	144	159	174
BRIGHT STAR SALEM SUD	151	148	142	145	146	147
CORNERSVILLE WSC	25	26	27	29	30	32
FOUKE WSC	717	723	718	725	731	737
GOLDEN WSC	209	206	200	200	202	203
HAWKINS	362	370	370	377	381	384
JONES WSC	393	388	378	378	381	384
LAKE FORK WSC	218	218	214	216	219	222
MINEOLA	847	857	850	860	868	875
NEW HOPE SUD	329	332	329	333	336	339
PRITCHETT WSC	7	7	7	7	7	7
QUITMAN	316	319	317	321	324	326
RAMEY WSC	278	273	265	269	272	274
SHARON WSC	206	202	194	198	199	200
SHIRLEY WSC	17	17	18	18	19	20
WINNSBORO	336	342	341	346	349	352
COUNTY-OTHER	213	210	201	193	180	164
MANUFACTURING	2,532	3,085	3,085	3,085	3,085	3,085
MINING	23	23	21	19	18	17
LIVESTOCK	2,741	2,741	2,741	2,741	2,741	2,741
IRRIGATION	453	453	453	453	453	453
<b>SABINE BASIN TOTAL</b>	<b>10,480</b>	<b>11,059</b>	<b>11,002</b>	<b>11,057</b>	<b>11,100</b>	<b>11,136</b>
<b>WOOD COUNTY TOTAL</b>	<b>11,429</b>	<b>12,006</b>	<b>11,940</b>	<b>11,997</b>	<b>12,040</b>	<b>12,074</b>
<b>REGION D TOTAL DEMAND</b>	<b>401,419</b>	<b>415,399</b>	<b>425,078</b>	<b>438,381</b>	<b>455,969</b>	<b>479,321</b>

## Region D Water User Group (WUG) Demand

### Region D Source Availability

GROUNDWATER SOURCE TYPE				SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY *	2020	2030	2040	2050	2060	2070
BLOSSOM AQUIFER	BOWIE	RED	FRESH	21	21	21	21	21	21
BLOSSOM AQUIFER	BOWIE	SULPHUR	FRESH	180	180	180	180	180	180
BLOSSOM AQUIFER	LAMAR	RED	FRESH	323	323	323	323	323	323
BLOSSOM AQUIFER	LAMAR	SULPHUR	FRESH	71	71	71	71	71	71
BLOSSOM AQUIFER	RED RIVER	RED	FRESH	1,053	1,053	1,053	1,053	1,053	1,053
BLOSSOM AQUIFER	RED RIVER	SULPHUR	FRESH	625	625	625	625	625	625
CARRIZO-WILCOX AQUIFER	BOWIE	SULPHUR	FRESH	9,872	9,558	9,278	9,278	8,999	8,999
CARRIZO-WILCOX AQUIFER	CAMP	CYPRESS	FRESH	4,050	4,050	4,050	4,050	4,050	4,050
CARRIZO-WILCOX AQUIFER	CASS	CYPRESS	FRESH	15,159	15,132	15,132	15,119	15,106	15,094
CARRIZO-WILCOX AQUIFER	CASS	SULPHUR	FRESH	2,864	2,794	2,731	2,667	2,596	2,532
CARRIZO-WILCOX AQUIFER	FRANKLIN	CYPRESS	FRESH	7,765	7,765	7,765	7,765	7,765	7,765
CARRIZO-WILCOX AQUIFER	FRANKLIN	SULPHUR	FRESH	2,021	2,021	2,021	2,021	2,021	2,021
CARRIZO-WILCOX AQUIFER	GREGG	CYPRESS	FRESH	862	862	862	862	862	862
CARRIZO-WILCOX AQUIFER	GREGG	SABINE	FRESH	7,179	7,179	7,179	7,179	7,179	7,179
CARRIZO-WILCOX AQUIFER	HARRISON	CYPRESS	FRESH	6,183	6,109	6,070	6,036	6,016	5,990
CARRIZO-WILCOX AQUIFER	HARRISON	SABINE	FRESH	4,851	4,851	4,851	4,837	4,837	4,837
CARRIZO-WILCOX AQUIFER	HOPKINS	CYPRESS	FRESH	313	313	313	313	313	313
CARRIZO-WILCOX AQUIFER	HOPKINS	SABINE	FRESH	2,842	2,842	2,842	2,842	2,842	2,842
CARRIZO-WILCOX AQUIFER	HOPKINS	SULPHUR	FRESH	3,237	3,237	3,237	3,237	3,237	3,237
CARRIZO-WILCOX AQUIFER	MARION	CYPRESS	FRESH	2,726	2,726	2,726	2,726	2,726	2,726
CARRIZO-WILCOX AQUIFER	MORRIS	CYPRESS	FRESH	2,166	2,166	2,166	2,166	2,166	2,166
CARRIZO-WILCOX AQUIFER	MORRIS	SULPHUR	FRESH	402	402	402	402	402	402
CARRIZO-WILCOX AQUIFER	RAINS	SABINE	FRESH	1,839	1,839	1,839	1,802	1,802	1,745
CARRIZO-WILCOX AQUIFER	RED RIVER	SULPHUR	FRESH	0	0	0	0	0	0
CARRIZO-WILCOX AQUIFER	SMITH	SABINE	FRESH	13,246	13,220	13,220	13,220	13,206	13,196
CARRIZO-WILCOX AQUIFER	TITUS	CYPRESS	FRESH	7,215	7,064	6,834	6,786	6,735	6,634
CARRIZO-WILCOX AQUIFER	TITUS	SULPHUR	FRESH	2,838	2,838	2,838	2,838	2,838	2,838
CARRIZO-WILCOX AQUIFER	UPSHUR	CYPRESS	FRESH	5,442	5,442	5,442	5,442	5,442	5,442
CARRIZO-WILCOX AQUIFER	UPSHUR	SABINE	FRESH	1,689	1,689	1,689	1,689	1,689	1,689
CARRIZO-WILCOX AQUIFER	VAN ZANDT	NECHES	FRESH	4,317	4,317	4,317	4,317	4,317	4,317
CARRIZO-WILCOX AQUIFER	VAN ZANDT	SABINE	FRESH	4,629	4,629	4,456	4,397	4,397	4,270
CARRIZO-WILCOX AQUIFER	VAN ZANDT	TRINITY	FRESH	1,384	1,384	1,384	1,384	1,384	1,384
CARRIZO-WILCOX AQUIFER	WOOD	CYPRESS	FRESH	2,053	2,053	2,053	2,053	2,053	2,053
CARRIZO-WILCOX AQUIFER	WOOD	SABINE	FRESH	19,404	19,360	19,285	19,263	19,239	19,184
NACATOC AQUIFER	BOWIE	RED	FRESH	3,071	3,071	3,071	3,071	3,071	3,071
NACATOC AQUIFER	BOWIE	SULPHUR	FRESH	1,942	1,942	1,942	1,942	1,942	1,942
NACATOC AQUIFER	DELTA	SULPHUR	FRESH	575	575	575	575	575	575
NACATOC AQUIFER	FRANKLIN	SULPHUR	FRESH	30	30	30	30	30	30
NACATOC AQUIFER	HOPKINS	SABINE	FRESH	291	291	291	291	291	291
NACATOC AQUIFER	HOPKINS	SULPHUR	FRESH	916	916	916	916	916	916
NACATOC AQUIFER	HUNT	SABINE	FRESH	3,303	3,303	3,303	3,303	3,303	3,303
NACATOC AQUIFER	HUNT	SULPHUR	FRESH	491	491	491	491	491	491
NACATOC AQUIFER	LAMAR	SULPHUR	FRESH	110	110	110	110	110	110
NACATOC AQUIFER	RAINS	SABINE	FRESH	1	1	1	1	1	1

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

### Region D Source Availability

GROUNDWATER SOURCE TYPE				SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY *	2020	2030	2040	2050	2060	2070
NACATOCH AQUIFER	RED RIVER	RED	FRESH	58	58	58	58	58	58
NACATOCH AQUIFER	RED RIVER	SULPHUR	FRESH	1,047	1,047	1,047	1,047	1,047	1,047
QUEEN CITY AQUIFER	CAMP	CYPRESS	FRESH	3,542	3,542	3,542	3,542	3,542	3,542
QUEEN CITY AQUIFER	CASS	CYPRESS	FRESH	35,499	35,499	35,499	35,499	35,499	35,499
QUEEN CITY AQUIFER	CASS	SULPHUR	FRESH	3,010	3,010	3,010	3,010	3,010	3,010
QUEEN CITY AQUIFER	GREGG	CYPRESS	FRESH	1,359	1,359	1,359	1,359	1,359	1,359
QUEEN CITY AQUIFER	GREGG	SABINE	FRESH	6,214	6,214	6,214	6,214	6,214	6,214
QUEEN CITY AQUIFER	HARRISON	CYPRESS	FRESH	7,762	7,762	7,762	7,762	7,762	7,762
QUEEN CITY AQUIFER	HARRISON	SABINE	FRESH	2,310	2,310	2,310	2,310	2,310	2,310
QUEEN CITY AQUIFER	MARION	CYPRESS	FRESH	15,407	15,407	15,407	15,407	15,338	15,271
QUEEN CITY AQUIFER	MORRIS	CYPRESS	FRESH	9,652	9,652	9,652	9,537	9,537	9,537
QUEEN CITY AQUIFER	SMITH	SABINE	FRESH	28,343	28,343	28,343	28,213	28,018	27,887
QUEEN CITY AQUIFER	TITUS	CYPRESS	FRESH	138	138	138	138	138	138
QUEEN CITY AQUIFER	UPSHUR	CYPRESS	FRESH	19,642	19,642	19,448	19,448	19,448	19,396
QUEEN CITY AQUIFER	UPSHUR	SABINE	FRESH	7,749	7,749	7,749	7,749	7,749	7,749
QUEEN CITY AQUIFER	VAN ZANDT	NECHES	FRESH	3,814	3,814	3,814	3,814	3,814	3,814
QUEEN CITY AQUIFER	WOOD	CYPRESS	FRESH	986	986	986	986	986	986
QUEEN CITY AQUIFER	WOOD	SABINE	FRESH	9,060	9,060	9,060	9,060	9,060	9,060
TRINITY AQUIFER	DELTA	SULPHUR	FRESH	56	56	56	56	56	56
TRINITY AQUIFER	HUNT	SABINE	FRESH	0	0	0	0	0	0
TRINITY AQUIFER	HUNT	SULPHUR	FRESH	3	3	3	3	3	3
TRINITY AQUIFER	HUNT	TRINITY	FRESH	0	0	0	0	0	0
TRINITY AQUIFER	LAMAR	RED	FRESH	0	0	0	0	0	0
TRINITY AQUIFER	LAMAR	SULPHUR	FRESH	8	8	8	8	8	8
TRINITY AQUIFER	RED RIVER	RED	FRESH	52	52	52	52	52	52
TRINITY AQUIFER	RED RIVER	SULPHUR	FRESH	125	125	125	125	125	125
WOODBINE AQUIFER	HUNT	SABINE	FRESH	269	268	269	268	269	268
WOODBINE AQUIFER	HUNT	SULPHUR	FRESH	165	165	165	165	165	165
WOODBINE AQUIFER	HUNT	TRINITY	FRESH	330	329	330	329	330	329
WOODBINE AQUIFER	LAMAR	RED	FRESH	0	0	0	0	0	0
WOODBINE AQUIFER	LAMAR	SULPHUR	FRESH	49	49	49	49	49	49
WOODBINE AQUIFER	RED RIVER	RED	FRESH	2	2	2	2	2	2
<b>GROUNDWATER TOTAL SOURCE AVAILABILITY</b>				<b>306,202</b>	<b>305,494</b>	<b>304,442</b>	<b>303,904</b>	<b>303,170</b>	<b>302,466</b>

REUSE SOURCE TYPE				SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY *	2020	2030	2040	2050	2060	2070
DIRECT REUSE	GREGG	SABINE	FRESH	6,161	6,161	6,161	6,161	6,161	6,161
DIRECT REUSE	LAMAR	RED	FRESH	12	12	12	12	12	12
DIRECT REUSE	MORRIS	CYPRESS	FRESH	72,086	66,660	61,344	62,600	71,474	65,248
DIRECT REUSE	TITUS	CYPRESS	FRESH	160	160	160	160	160	160
<b>REUSE TOTAL SOURCE AVAILABILITY</b>				<b>78,419</b>	<b>72,993</b>	<b>67,677</b>	<b>68,933</b>	<b>77,807</b>	<b>71,581</b>

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

### Region D Source Availability

SURFACE WATER SOURCE TYPE				SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY *	2020	2030	2040	2050	2060	2070
BIG CREEK LAKE/RESERVOIR	RESERVOIR	SULPHUR	FRESH	2,188	2,188	2,188	2,405	2,406	2,406
BIG SANDY CREEK LAKE/RESERVOIR	RESERVOIR	SABINE	FRESH	2,685	2,685	2,685	2,685	2,685	2,685
BOB SANDLIN LAKE/RESERVOIR	RESERVOIR	CYPRESS	FRESH	36,600	37,100	36,800	36,800	36,100	35,300
BRANDY BRANCH LAKE/RESERVOIR	RESERVOIR	SABINE	FRESH	19,889	19,889	19,889	19,889	19,889	19,889
CADDO LAKE/RESERVOIR	RESERVOIR	CYPRESS	FRESH	10,000	10,000	10,000	10,000	10,000	10,000
CANEY CREEK LAKE/RESERVOIR	RESERVOIR	SULPHUR	FRESH	1,013	1,013	1,013	1,013	1,013	1,013
CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	RESERVOIR	SULPHUR	FRESH	74,126	73,223	72,604	70,558	69,719	67,749
CROOK LAKE/RESERVOIR	RESERVOIR	RED	FRESH	7,290	7,290	7,290	7,290	7,290	7,290
CYPRESS LIVESTOCK LOCAL SUPPLY	CAMP	CYPRESS	FRESH	534	534	571	636	698	724
CYPRESS LIVESTOCK LOCAL SUPPLY	CASS	CYPRESS	FRESH	565	565	565	565	565	565
CYPRESS LIVESTOCK LOCAL SUPPLY	FRANKLIN	CYPRESS	FRESH	291	291	291	291	291	291
CYPRESS LIVESTOCK LOCAL SUPPLY	HARRISON	CYPRESS	FRESH	276	302	329	358	387	421
CYPRESS LIVESTOCK LOCAL SUPPLY	HOPKINS	CYPRESS	FRESH	108	108	108	108	108	108
CYPRESS LIVESTOCK LOCAL SUPPLY	MORRIS	CYPRESS	FRESH	215	215	215	215	215	215
CYPRESS LIVESTOCK LOCAL SUPPLY	UPSHUR	CYPRESS	FRESH	975	975	975	975	975	975
CYPRESS LIVESTOCK LOCAL SUPPLY	WOOD	CYPRESS	FRESH	271	271	271	271	271	271
CYPRESS RUN-OF-RIVER	CAMP	CYPRESS	FRESH	1	1	1	1	1	1
CYPRESS RUN-OF-RIVER	CASS	CYPRESS	FRESH	175	175	175	175	175	175
CYPRESS RUN-OF-RIVER	GREGG	CYPRESS	FRESH	41	41	41	41	41	41
CYPRESS RUN-OF-RIVER	HARRISON	CYPRESS	FRESH	9,724	9,724	9,724	9,724	9,724	9,724
CYPRESS RUN-OF-RIVER	MARION	CYPRESS	FRESH	1,072	1,072	1,072	1,072	1,072	1,072
CYPRESS RUN-OF-RIVER	MORRIS	CYPRESS	FRESH	59	59	59	59	59	59
CYPRESS RUN-OF-RIVER	TITUS	CYPRESS	FRESH	408	408	408	408	408	408
CYPRESS RUN-OF-RIVER	UPSHUR	CYPRESS	FRESH	22	22	22	22	22	22
CYPRESS SPRINGS LAKE/RESERVOIR	RESERVOIR	CYPRESS	FRESH	11,800	11,300	10,800	10,400	9,900	9,500
EDGEWOOD CITY LAKE/RESERVOIR	RESERVOIR	SABINE	FRESH	160	160	160	160	160	160
ELLIOT CREEK LAKE/RESERVOIR	RESERVOIR	SULPHUR	FRESH	1,916	1,916	1,916	1,916	1,916	1,916
ELLISON CREEK LAKE/RESERVOIR	RESERVOIR	CYPRESS	FRESH	33,643	33,643	33,643	33,643	33,643	33,643
FORK LAKE/RESERVOIR	RESERVOIR	SABINE	FRESH	171,982	170,192	168,378	166,644	164,793	162,920
GILMER LAKE/RESERVOIR	RESERVOIR	CYPRESS	FRESH	6,180	6,180	6,180	6,180	6,180	6,180
GLADEWATER LAKE/RESERVOIR	RESERVOIR	SABINE	FRESH	2,125	2,125	2,125	2,125	2,125	2,125
GRAYS CREEK RUN-OF-RIVER	HARRISON	CYPRESS	FRESH	12	12	12	12	12	12
GREENVILLE CITY LAKE/RESERVOIR	RESERVOIR	SABINE	FRESH	3,421	3,421	3,421	3,421	3,421	3,421
JOHNSON CREEK LAKE/RESERVOIR	RESERVOIR	CYPRESS	FRESH	1,968	1,968	1,968	1,968	1,968	1,968
LANGFORD LAKE/RESERVOIR	RESERVOIR	SULPHUR	FRESH	440	300	0	0	0	0
LOMA LAKE/RESERVOIR	RESERVOIR	SABINE	FRESH	1,777	1,777	1,777	1,777	1,777	1,777
MILL CREEK LAKE/RESERVOIR	RESERVOIR	SABINE	FRESH	1,192	1,192	1,192	1,192	1,192	1,192
MONTICELLO LAKE/RESERVOIR	RESERVOIR	CYPRESS	FRESH	5,000	4,400	3,800	3,300	2,700	2,200
NECHES LIVESTOCK LOCAL SUPPLY	VAN ZANDT	NECHES	FRESH	1,136	1,136	1,136	1,136	1,136	1,136
NECHES RUN-OF-RIVER	VAN ZANDT	NECHES	FRESH	166	166	166	166	166	166
O' THE PINES LAKE/RESERVOIR	RESERVOIR	CYPRESS	FRESH	169,700	169,900	167,000	165,700	164,300	163,000
PAT MAYSE LAKE/RESERVOIR	RESERVOIR	RED	FRESH	59,670	59,670	59,670	59,670	59,670	59,670
RED LIVESTOCK LOCAL SUPPLY	BOWIE	RED	FRESH	17	17	14	23	36	43
RED LIVESTOCK LOCAL SUPPLY	LAMAR	RED	FRESH	0	0	0	0	0	0

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### Region D Source Availability

SURFACE WATER SOURCE TYPE				SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY *	2020	2030	2040	2050	2060	2070
RED LIVESTOCK LOCAL SUPPLY	RED RIVER	RED	FRESH	474	474	474	474	474	474
RED RUN-OF-RIVER	BOWIE	RED	FRESH	9,219	9,219	9,219	9,219	9,219	9,219
RED RUN-OF-RIVER	LAMAR	RED	FRESH	8,609	8,609	8,609	8,609	8,609	8,609
RED RUN-OF-RIVER	RED RIVER	RED	FRESH	2,089	2,089	2,089	2,089	2,089	2,089
RHINES LAKE	VAN ZANDT	NECHES	FRESH	1,170	1,170	1,170	1,170	1,170	1,170
SABINE LIVESTOCK LOCAL SUPPLY	FRANKLIN	SABINE	FRESH	1	1	1	1	1	1
SABINE LIVESTOCK LOCAL SUPPLY	HOPKINS	SABINE	FRESH	1,208	1,208	1,208	1,208	1,208	1,208
SABINE LIVESTOCK LOCAL SUPPLY	HUNT	SABINE	FRESH	812	812	812	812	812	812
SABINE LIVESTOCK LOCAL SUPPLY	RAINS	SABINE	FRESH	675	675	675	675	675	675
SABINE LIVESTOCK LOCAL SUPPLY	UPSHUR	SABINE	FRESH	352	352	352	352	352	352
SABINE LIVESTOCK LOCAL SUPPLY	VAN ZANDT	SABINE	FRESH	1,035	1,035	1,035	1,035	1,035	1,035
SABINE LIVESTOCK LOCAL SUPPLY	WOOD	SABINE	FRESH	1,897	1,897	1,897	1,897	1,897	1,897
SABINE OTHER LOCAL SUPPLY	GREGG	SABINE	FRESH	2,500	2,500	2,500	2,500	2,500	2,500
SABINE OTHER LOCAL SUPPLY	VAN ZANDT	SABINE	FRESH	847	1,007	1,170	1,337	1,498	1,661
SABINE RUN-OF-RIVER	GREGG	SABINE	FRESH	12,792	12,792	12,792	12,792	12,792	12,792
SABINE RUN-OF-RIVER	HARRISON	SABINE	FRESH	95,019	95,019	95,019	95,019	95,019	95,019
SABINE RUN-OF-RIVER	HOPKINS	SABINE	FRESH	19	19	19	19	19	19
SABINE RUN-OF-RIVER	HUNT	SABINE	FRESH	19	19	19	19	19	19
SABINE RUN-OF-RIVER	RAINS	SABINE	FRESH	211	211	211	211	211	211
SABINE RUN-OF-RIVER	SMITH	SABINE	FRESH	994	994	994	994	994	994
SABINE RUN-OF-RIVER	UPSHUR	SABINE	FRESH	207	207	207	207	207	207
SABINE RUN-OF-RIVER	VAN ZANDT	SABINE	FRESH	715	715	715	715	715	715
SABINE RUN-OF-RIVER	WOOD	SABINE	FRESH	1,031	1,031	1,031	1,031	1,031	1,031
SULPHUR LIVESTOCK LOCAL SUPPLY	BOWIE	SULPHUR	FRESH	625	625	559	465	385	353
SULPHUR LIVESTOCK LOCAL SUPPLY	CASS	SULPHUR	FRESH	114	114	114	115	115	115
SULPHUR LIVESTOCK LOCAL SUPPLY	DELTA	SULPHUR	FRESH	231	231	231	231	231	231
SULPHUR LIVESTOCK LOCAL SUPPLY	FRANKLIN	SULPHUR	FRESH	393	393	393	393	393	393
SULPHUR LIVESTOCK LOCAL SUPPLY	HOPKINS	SULPHUR	FRESH	1,570	1,493	1,324	1,314	1,130	1,049
SULPHUR LIVESTOCK LOCAL SUPPLY	HUNT	SULPHUR	FRESH	300	300	300	300	300	300
SULPHUR LIVESTOCK LOCAL SUPPLY	LAMAR	SULPHUR	FRESH	1,623	1,623	1,623	1,623	1,623	1,623
SULPHUR LIVESTOCK LOCAL SUPPLY	MORRIS	SULPHUR	FRESH	207	207	207	207	212	212
SULPHUR LIVESTOCK LOCAL SUPPLY	RED RIVER	SULPHUR	FRESH	911	911	911	911	911	911
SULPHUR LIVESTOCK LOCAL SUPPLY	TITUS	SULPHUR	FRESH	156	156	156	156	156	156
SULPHUR OTHER LOCAL SUPPLY	DELTA	SULPHUR	FRESH	25	26	26	26	26	26
SULPHUR RUN-OF-RIVER	BOWIE	SULPHUR	FRESH	254	254	254	254	254	254
SULPHUR RUN-OF-RIVER	DELTA	SULPHUR	FRESH	10,091	10,091	10,091	10,156	10,825	10,825
SULPHUR RUN-OF-RIVER	FRANKLIN	SULPHUR	FRESH	478	478	478	488	488	488
SULPHUR RUN-OF-RIVER	HOPKINS	SULPHUR	FRESH	202	202	202	217	217	217
SULPHUR RUN-OF-RIVER	HUNT	SULPHUR	FRESH	0	0	0	0	0	0
SULPHUR RUN-OF-RIVER	LAMAR	SULPHUR	FRESH	0	0	0	0	0	0
SULPHUR RUN-OF-RIVER	RED RIVER	SULPHUR	FRESH	8,962	8,962	8,962	8,962	8,989	8,989
SULPHUR RUN-OF-RIVER	TITUS	SULPHUR	FRESH	1,465	1,465	1,465	1,465	1,479	1,479
SULPHUR SPRINGS LAKE/RESERVOIR	RESERVOIR	SULPHUR	FRESH	11,591	11,591	11,591	11,591	11,528	11,528
TANKERSLEY LAKE/RESERVOIR	RESERVOIR	CYPRESS	FRESH	1,500	1,500	1,500	1,500	1,500	1,500
TAWAKONI LAKE/RESERVOIR	RESERVOIR	SABINE	FRESH	229,647	227,796	225,922	224,051	222,167	220,273

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### Region D Source Availability

SURFACE WATER SOURCE TYPE				SOURCE AVAILABILITY (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY *	2020	2030	2040	2050	2060	2070
TRINITY LIVESTOCK LOCAL SUPPLY	HUNT	TRINITY	FRESH	34	34	34	34	35	35
TRINITY LIVESTOCK LOCAL SUPPLY	VAN ZANDT	TRINITY	FRESH	599	527	449	340	282	193
TURKEY CREEK LAKE/RESERVOIR	RESERVOIR	SULPHUR	FRESH	200	200	200	200	200	200
WELSH LAKE/RESERVOIR	RESERVOIR	CYPRESS	FRESH	3,000	2,800	2,500	2,200	1,900	1,700
WRIGHT PATMAN LAKE/RESERVOIR	RESERVOIR	SULPHUR	FRESH	327,300	302,260	276,990	253,940	231,120	208,500
<b>SURFACE WATER TOTAL SOURCE AVAILABILITY</b>				<b>1,384,206</b>	<b>1,353,920</b>	<b>1,319,354</b>	<b>1,288,518</b>	<b>1,258,221</b>	<b>1,226,692</b>
<b>REGION D TOTAL SOURCE AVAILABILITY</b>				<b>1,768,827</b>	<b>1,732,407</b>	<b>1,691,473</b>	<b>1,661,355</b>	<b>1,639,198</b>	<b>1,600,739</b>

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



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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
BURNS REDBANK WSC	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
CENTRAL BOWIE COUNTY WSC	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
DE KALB	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
HOOKS	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
NEW BOSTON	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
RIVERBEND WATER RESOURCES DISTRICT	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
TEXARKANA	D	RED RUN-OF-RIVER	0	0	0	0	0	0
TEXARKANA	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
COUNTY-OTHER	D	NACATOCH AQUIFER   BOWIE COUNTY	1,105	1,128	1,149	1,130	1,119	1,119
COUNTY-OTHER	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
MANUFACTURING	D	RED RUN-OF-RIVER	7	7	7	7	7	7
MANUFACTURING	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	17	17	14	23	36	43
LIVESTOCK	D	NACATOCH AQUIFER   BOWIE COUNTY	418	418	381	316	254	228
IRRIGATION	D	RED RUN-OF-RIVER	6,992	6,992	6,992	6,992	6,992	6,992
<b>RED BASIN TOTAL</b>			<b>8,539</b>	<b>8,562</b>	<b>8,543</b>	<b>8,468</b>	<b>8,408</b>	<b>8,389</b>
CENTRAL BOWIE COUNTY WSC	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
DE KALB	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
MACEDONIA EYLAU MUD 1	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
MAUD	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
NASH	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
NEW BOSTON	D	SULPHUR RUN-OF-RIVER	0	0	0	0	0	0
NEW BOSTON	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
REDWATER	D	CARRIZO-WILCOX AQUIFER   BOWIE COUNTY	66	66	66	66	66	66
REDWATER	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
RIVERBEND WATER RESOURCES DISTRICT	D	CANEY CREEK LAKE/RESERVOIR	0	0	0	0	0	0
RIVERBEND WATER RESOURCES DISTRICT	D	ELLIOT CREEK LAKE/RESERVOIR	0	0	0	0	0	0
RIVERBEND WATER RESOURCES DISTRICT	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
TEXARKANA	D	RED RUN-OF-RIVER	0	0	0	0	0	0
TEXARKANA	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
WAKE VILLAGE	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   BOWIE COUNTY	2,396	2,442	2,484	2,440	2,416	2,416
COUNTY-OTHER	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
MANUFACTURING	D	CARRIZO-WILCOX AQUIFER   BOWIE COUNTY	28	28	28	28	28	28
MANUFACTURING	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
LIVESTOCK	D	CARRIZO-WILCOX AQUIFER   BOWIE COUNTY	672	672	610	502	396	354
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	49	49	45	59	85	95
IRRIGATION	D	SULPHUR RUN-OF-RIVER	169	169	169	169	169	169
<b>SULPHUR BASIN TOTAL</b>			<b>3,380</b>	<b>3,426</b>	<b>3,402</b>	<b>3,264</b>	<b>3,160</b>	<b>3,128</b>
<b>BOWIE COUNTY TOTAL</b>			<b>11,919</b>	<b>11,988</b>	<b>11,945</b>	<b>11,732</b>	<b>11,568</b>	<b>11,517</b>
BI COUNTY WSC	D	CARRIZO-WILCOX AQUIFER   CAMP COUNTY	937	937	937	937	937	937
BI COUNTY WSC	D	CARRIZO-WILCOX AQUIFER   MORRIS COUNTY	50	50	50	50	50	50
BI COUNTY WSC	D	CARRIZO-WILCOX AQUIFER   TITUS COUNTY	100	100	100	100	100	100
BI COUNTY WSC	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	50	50	50	50	50	50

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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
PITTSBURG	D	BOB SANDLIN LAKE/RESERVOIR	1,344	1,344	1,344	1,344	1,344	1,344
PITTSBURG	D	CARRIZO-WILCOX AQUIFER   CAMP COUNTY	433	433	433	433	433	433
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   CAMP COUNTY	432	444	453	461	469	478
MANUFACTURING	D	BOB SANDLIN LAKE/RESERVOIR	45	47	49	51	54	56
MANUFACTURING	D	CARRIZO-WILCOX AQUIFER   CAMP COUNTY	2	2	2	2	2	2
MINING	D	CARRIZO-WILCOX AQUIFER   CAMP COUNTY	23	23	23	23	23	23
LIVESTOCK	D	CARRIZO-WILCOX AQUIFER   CAMP COUNTY	335	335	335	335	335	335
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	481	481	481	481	481	481
LIVESTOCK	D	QUEEN CITY AQUIFER   CAMP COUNTY	136	136	136	136	136	136
<b>CYPRESS BASIN TOTAL</b>			<b>4,368</b>	<b>4,382</b>	<b>4,393</b>	<b>4,403</b>	<b>4,414</b>	<b>4,425</b>
<b>CAMP COUNTY TOTAL</b>			<b>4,368</b>	<b>4,382</b>	<b>4,393</b>	<b>4,403</b>	<b>4,414</b>	<b>4,425</b>
ATLANTA	D	WRIGHT PATMAN LAKE/RESERVOIR	1,016	1,074	1,134	1,208	1,205	1,205
E M C WSC	D	CARRIZO-WILCOX AQUIFER   CASS COUNTY	43	43	43	43	43	43
E M C WSC	D	CARRIZO-WILCOX AQUIFER   MARION COUNTY	20	20	20	20	20	20
EASTERN CASS WSC	D	CARRIZO-WILCOX AQUIFER   CASS COUNTY	581	581	581	581	581	581
HOLLY SPRINGS WSC	D	O' THE PINES LAKE/RESERVOIR	60	60	60	59	59	59
HUGHES SPRINGS	D	O' THE PINES LAKE/RESERVOIR	562	562	562	562	562	562
LINDEN	D	CARRIZO-WILCOX AQUIFER   CASS COUNTY	444	444	444	444	444	444
MIMS WSC	D	O' THE PINES LAKE/RESERVOIR	133	133	133	133	133	133
QUEEN CITY	D	CARRIZO-WILCOX AQUIFER   CASS COUNTY	169	169	169	169	169	169
QUEEN CITY	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
WESTERN CASS WSC	D	CARRIZO-WILCOX AQUIFER   CASS COUNTY	895	895	895	895	895	895
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   CASS COUNTY	1,245	1,286	1,327	1,368	1,368	1,399
COUNTY-OTHER	D	O' THE PINES LAKE/RESERVOIR	302	302	302	302	302	302
MANUFACTURING	D	WRIGHT PATMAN LAKE/RESERVOIR	895	896	896	896	896	896
MINING	D	CARRIZO-WILCOX AQUIFER   CASS COUNTY	33	33	33	20	20	20
MINING	D	QUEEN CITY AQUIFER   CASS COUNTY	806	829	851	884	906	932
LIVESTOCK	D	CARRIZO-WILCOX AQUIFER   CASS COUNTY	19	19	19	19	19	19
LIVESTOCK	D	CYPRESS RUN-OF-RIVER	7	7	7	7	7	7
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	458	458	458	458	458	458
<b>CYPRESS BASIN TOTAL</b>			<b>7,688</b>	<b>7,811</b>	<b>7,934</b>	<b>8,068</b>	<b>8,087</b>	<b>8,144</b>
ATLANTA	D	WRIGHT PATMAN LAKE/RESERVOIR	1	1	1	1	1	1
EASTERN CASS WSC	D	CARRIZO-WILCOX AQUIFER   CASS COUNTY	38	38	38	38	38	38
QUEEN CITY	D	CARRIZO-WILCOX AQUIFER   CASS COUNTY	100	100	100	100	100	100
QUEEN CITY	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
WESTERN CASS WSC	D	CARRIZO-WILCOX AQUIFER   CASS COUNTY	188	188	188	188	188	188
COUNTY-OTHER	D	QUEEN CITY AQUIFER   CASS COUNTY	1,175	1,215	1,256	1,297	1,297	1,328
COUNTY-OTHER	D	WRIGHT PATMAN LAKE/RESERVOIR	44	44	44	44	44	44
MANUFACTURING	D	CARRIZO-WILCOX AQUIFER   CASS COUNTY	51	50	48	47	47	46
MANUFACTURING	D	WRIGHT PATMAN LAKE/RESERVOIR	119,105	119,104	119,104	119,104	119,104	119,104
LIVESTOCK	D	CARRIZO-WILCOX AQUIFER   CASS COUNTY	20	20	20	20	20	20
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	221	221	221	222	222	222
LIVESTOCK	D	QUEEN CITY AQUIFER   CASS COUNTY	114	114	114	115	115	115
<b>SULPHUR BASIN TOTAL</b>			<b>121,057</b>	<b>121,095</b>	<b>121,134</b>	<b>121,176</b>	<b>121,176</b>	<b>121,206</b>
<b>CASS COUNTY TOTAL</b>			<b>128,745</b>	<b>128,906</b>	<b>129,068</b>	<b>129,244</b>	<b>129,263</b>	<b>129,350</b>
COOPER	D	BIG CREEK LAKE/RESERVOIR	980	980	980	980	980	980
COOPER	D	SULPHUR RUN-OF-RIVER	63	63	63	128	128	128

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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
DELTA COUNTY MUD	D	BIG CREEK LAKE/RESERVOIR	126	122	123	124	128	132
NORTH HUNT SUD	D	TAWAKONI LAKE/RESERVOIR	9	7	6	4	3	3
NORTH HUNT SUD	D	WOODBINE AQUIFER   HUNT COUNTY	4	3	2	2	1	1
COUNTY-OTHER	D	BIG CREEK LAKE/RESERVOIR	82	83	82	80	76	73
COUNTY-OTHER	D	NACATOCH AQUIFER   DELTA COUNTY	84	85	86	86	86	12
COUNTY-OTHER	D	TAWAKONI LAKE/RESERVOIR	471	474	477	479	479	481
COUNTY-OTHER	D	TRINITY AQUIFER   DELTA COUNTY	28	16	16	16	16	16
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	231	231	231	231	231	231
LIVESTOCK	D	NACATOCH AQUIFER   DELTA COUNTY	20	20	20	20	20	20
LIVESTOCK	D	TRINITY AQUIFER   DELTA COUNTY	28	40	40	40	40	40
IRRIGATION	D	NACATOCH AQUIFER   DELTA COUNTY	38	51	61	66	66	78
IRRIGATION	D	SULPHUR RUN-OF-RIVER	10,028	10,028	10,028	10,028	10,696	10,696
IRRIGATION	D	TRINITY AQUIFER   DELTA COUNTY	0	0	0	0	0	0
<b>SULPHUR BASIN TOTAL</b>			<b>12,192</b>	<b>12,203</b>	<b>12,215</b>	<b>12,284</b>	<b>12,950</b>	<b>12,891</b>
<b>DELTA COUNTY TOTAL</b>			<b>12,192</b>	<b>12,203</b>	<b>12,215</b>	<b>12,284</b>	<b>12,950</b>	<b>12,891</b>
CYPRESS SPRINGS SUD	D	CARRIZO-WILCOX AQUIFER   FRANKLIN COUNTY	67	67	67	67	67	67
CYPRESS SPRINGS SUD	D	CYPRESS SPRINGS LAKE/RESERVOIR	1,687	1,692	1,689	1,692	1,690	0
WINNSBORO	D	CYPRESS SPRINGS LAKE/RESERVOIR	971	971	971	971	971	971
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   FRANKLIN COUNTY	72	77	82	82	82	82
MANUFACTURING	D	CARRIZO-WILCOX AQUIFER   FRANKLIN COUNTY	7	7	7	7	7	7
LIVESTOCK	D	CARRIZO-WILCOX AQUIFER   FRANKLIN COUNTY	133	133	133	133	133	133
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	292	292	292	292	292	292
IRRIGATION	D	SULPHUR RUN-OF-RIVER	99	99	99	99	99	99
<b>CYPRESS BASIN TOTAL</b>			<b>3,328</b>	<b>3,338</b>	<b>3,340</b>	<b>3,343</b>	<b>3,341</b>	<b>1,651</b>
IRRIGATION	D	SULPHUR RUN-OF-RIVER	102	102	102	102	102	102
<b>SABINE BASIN TOTAL</b>			<b>102</b>	<b>102</b>	<b>102</b>	<b>102</b>	<b>102</b>	<b>102</b>
CYPRESS SPRINGS SUD	D	CYPRESS SPRINGS LAKE/RESERVOIR	1,095	1,098	1,096	1,094	1,092	0
MOUNT VERNON	D	CYPRESS SPRINGS LAKE/RESERVOIR	1,120	1,120	1,120	1,120	1,120	1,120
MOUNT VERNON	D	SULPHUR RUN-OF-RIVER	170	160	160	160	160	160
COUNTY-OTHER	D	BOB SANDLIN LAKE/RESERVOIR	14	0	0	0	0	0
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   FRANKLIN COUNTY	111	123	133	133	133	133
MINING	D	CARRIZO-WILCOX AQUIFER   FRANKLIN COUNTY	1,040	1,016	994	974	954	954
LIVESTOCK	D	CARRIZO-WILCOX AQUIFER   FRANKLIN COUNTY	228	228	228	228	228	228
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	393	393	393	393	393	393
IRRIGATION	D	SULPHUR RUN-OF-RIVER	99	99	99	99	99	99
<b>SULPHUR BASIN TOTAL</b>			<b>4,270</b>	<b>4,237</b>	<b>4,223</b>	<b>4,201</b>	<b>4,179</b>	<b>3,087</b>
<b>FRANKLIN COUNTY TOTAL</b>			<b>7,700</b>	<b>7,677</b>	<b>7,665</b>	<b>7,646</b>	<b>7,622</b>	<b>4,840</b>
GLENWOOD WSC	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	25	24	25	25	25	25
TRYON ROAD SUD	D	CARRIZO-WILCOX AQUIFER   GREGG COUNTY	165	165	165	164	153	139
TRYON ROAD SUD	D	O' THE PINES LAKE/RESERVOIR	948	948	948	948	948	948
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   GREGG COUNTY	196	207	220	237	261	278
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	19	19	19	19	19	19
COUNTY-OTHER	D	FORK LAKE/RESERVOIR	17	17	17	17	17	17
MINING	D	CARRIZO-WILCOX AQUIFER   GREGG COUNTY	14	22	22	17	13	9
LIVESTOCK	D	CARRIZO-WILCOX AQUIFER   GREGG COUNTY	11	11	11	11	11	11
<b>CYPRESS BASIN TOTAL</b>			<b>1,395</b>	<b>1,413</b>	<b>1,427</b>	<b>1,438</b>	<b>1,447</b>	<b>1,446</b>
CLARKSVILLE CITY	D	CARRIZO-WILCOX AQUIFER   GREGG COUNTY	245	245	245	245	245	245

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

WUG NAME	SOURCE	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
	REGION		2020	2030	2040	2050	2060	2070
CROSS ROADS SUD	I	CARRIZO-WILCOX AQUIFER   RUSK COUNTY	52	51	50	50	51	52
CROSS ROADS SUD	D	FORK LAKE/RESERVOIR	32	32	31	31	32	32
ELDERVILLE WSC	D	CARRIZO-WILCOX AQUIFER   GREGG COUNTY	396	396	396	396	396	396
ELDERVILLE WSC	I	CHEROKEE LAKE/RESERVOIR	186	185	185	185	186	187
ELDERVILLE WSC	D	FORK LAKE/RESERVOIR	188	188	188	188	188	189
GLADEWATER	D	GLADEWATER LAKE/RESERVOIR	982	987	999	1,013	1,030	1,113
KILGORE	D	CARRIZO-WILCOX AQUIFER   GREGG COUNTY	1,189	1,184	1,184	1,185	1,188	1,193
KILGORE	D	FORK LAKE/RESERVOIR	1,648	2,692	2,692	2,694	2,701	2,712
LIBERTY CITY WSC	D	CARRIZO-WILCOX AQUIFER   GREGG COUNTY	864	864	864	864	864	864
LONGVIEW	D	BIG SANDY CREEK LAKE/RESERVOIR	0	0	0	0	0	0
LONGVIEW	I	CHEROKEE LAKE/RESERVOIR	3,915	3,915	3,915	3,915	8,915	8,915
LONGVIEW	D	FORK LAKE/RESERVOIR	10,870	10,870	10,870	10,870	10,870	10,870
LONGVIEW	D	O' THE PINES LAKE/RESERVOIR	17,200	17,200	17,200	17,200	17,200	17,200
LONGVIEW	D	SABINE RUN-OF-RIVER	0	0	0	0	0	0
STARRVILLE-FRIENDSHIP WSC	D	CARRIZO-WILCOX AQUIFER   GREGG COUNTY	60	60	60	60	60	60
STARRVILLE-FRIENDSHIP WSC	D	CARRIZO-WILCOX AQUIFER   SMITH COUNTY	38	38	38	38	38	38
TRYON ROAD SUD	D	CARRIZO-WILCOX AQUIFER   GREGG COUNTY	128	128	128	128	128	128
TRYON ROAD SUD	D	O' THE PINES LAKE/RESERVOIR	765	765	765	765	765	765
WEST GREGG SUD	D	CARRIZO-WILCOX AQUIFER   GREGG COUNTY	496	495	495	496	496	483
WHITE OAK	D	BIG SANDY CREEK LAKE/RESERVOIR	1,910	1,910	1,910	1,910	1,910	1,910
WHITE OAK	D	FORK LAKE/RESERVOIR	592	592	592	592	592	592
COUNTY-OTHER	D	BIG SANDY CREEK LAKE/RESERVOIR	50	50	50	50	50	50
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   GREGG COUNTY	722	789	867	972	1,124	1,134
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	18	18	18	18	18	18
COUNTY-OTHER	I	CHEROKEE LAKE/RESERVOIR	18	18	18	18	18	18
COUNTY-OTHER	D	FORK LAKE/RESERVOIR	94	94	94	94	94	94
COUNTY-OTHER	D	GLADEWATER LAKE/RESERVOIR	154	154	154	154	154	54
MANUFACTURING	D	CARRIZO-WILCOX AQUIFER   GREGG COUNTY	30	30	30	30	30	30
MANUFACTURING	I	CHEROKEE LAKE/RESERVOIR	1,340	1,340	1,340	1,340	1,340	1,340
MANUFACTURING	D	FORK LAKE/RESERVOIR	1,934	1,934	1,934	1,934	1,934	1,934
MANUFACTURING	D	LOCAL SURFACE WATER SUPPLY	450	450	450	450	450	450
MANUFACTURING	D	O' THE PINES LAKE/RESERVOIR	2,000	2,000	2,000	2,000	2,000	2,000
MANUFACTURING	D	SABINE RUN-OF-RIVER	1,092	1,094	1,094	1,094	1,094	1,094
MINING	D	CARRIZO-WILCOX AQUIFER   GREGG COUNTY	246	389	385	303	220	162
STEAM ELECTRIC POWER	D	CARRIZO-WILCOX AQUIFER   GREGG COUNTY	242	242	242	242	242	242
STEAM ELECTRIC POWER	I	CHEROKEE LAKE/RESERVOIR	2,000	2,000	2,000	2,000	2,000	2,000
LIVESTOCK	D	CARRIZO-WILCOX AQUIFER   GREGG COUNTY	204	204	204	204	204	204
IRRIGATION	D	CYPRESS RUN-OF-RIVER	41	41	41	41	41	41
IRRIGATION	D	SABINE RUN-OF-RIVER	138	138	138	138	138	138
<b>SABINE BASIN TOTAL</b>			<b>52,529</b>	<b>53,782</b>	<b>53,866</b>	<b>53,907</b>	<b>59,006</b>	<b>58,947</b>
<b>GREGG COUNTY TOTAL</b>			<b>53,924</b>	<b>55,195</b>	<b>55,293</b>	<b>55,345</b>	<b>60,453</b>	<b>60,393</b>
BLOCKER CROSSROADS WSC	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	21	20	21	21	21	20
DIANA SUD	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	58	58	58	58	58	58
DIANA SUD	D	O' THE PINES LAKE/RESERVOIR	47	47	47	47	47	47
GUM SPRINGS WSC	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	48	48	48	48	48	48
GUM SPRINGS WSC	I	CHEROKEE LAKE/RESERVOIR	178	178	178	178	178	178
GUM SPRINGS WSC	D	FORK LAKE/RESERVOIR	31	31	31	31	31	31

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

WUG NAME	SOURCE	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
	REGION		2020	2030	2040	2050	2060	2070
HARLETON WSC	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	247	247	247	247	247	247
LEIGH WSC	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	357	357	357	357	357	357
MARSHALL	D	CYPRESS RUN-OF-RIVER	0	0	0	0	0	0
MARSHALL	D	O' THE PINES LAKE/RESERVOIR	1,158	1,158	1,158	1,158	1,158	1,158
NORTH HARRISON WSC	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	161	161	161	161	161	161
PANOLA-BETHANY WSC	I	CARRIZO-WILCOX AQUIFER   PANOLA COUNTY	29	29	29	29	29	29
SCOTTSVILLE	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	71	71	71	70	70	71
TALLEY WSC	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	114	114	114	114	112	112
TRYON ROAD SUD	D	CARRIZO-WILCOX AQUIFER   GREGG COUNTY	0	0	0	1	12	26
TRYON ROAD SUD	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	20	20	20	20	20	20
TRYON ROAD SUD	D	O' THE PINES LAKE/RESERVOIR	109	109	109	109	109	109
WASKOM	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	339	339	339	339	339	339
WEST HARRISON WSC	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	87	88	88	86	86	87
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   GREGG COUNTY	15	15	15	15	15	15
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	2,032	2,088	2,130	2,179	2,252	2,307
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	30	30	30	30	30	30
COUNTY-OTHER	I	CHEROKEE LAKE/RESERVOIR	54	54	54	54	54	54
COUNTY-OTHER	D	O' THE PINES LAKE/RESERVOIR	321	321	321	321	321	321
MANUFACTURING	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	147	147	147	147	147	147
MANUFACTURING	D	CYPRESS RUN-OF-RIVER	810	810	810	810	810	810
MINING	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	217	233	241	250	257	267
MINING	D	FORK LAKE/RESERVOIR	29	29	29	29	29	29
MINING	D	QUEEN CITY AQUIFER   HARRISON COUNTY	7	0	0	0	0	0
LIVESTOCK	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	167	196	225	255	287	317
LIVESTOCK	D	CYPRESS RUN-OF-RIVER	90	90	90	90	90	90
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	276	302	329	358	366	366
LIVESTOCK	D	QUEEN CITY AQUIFER   HARRISON COUNTY	26	26	26	26	26	26
IRRIGATION	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	25	25	25	25	25	25
IRRIGATION	D	CYPRESS RUN-OF-RIVER	10	10	10	10	10	10
<b>CYPRESS BASIN TOTAL</b>			<b>7,331</b>	<b>7,451</b>	<b>7,558</b>	<b>7,673</b>	<b>7,802</b>	<b>7,912</b>
BLOCKER CROSSROADS WSC	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	191	192	191	191	191	192
GILL WSC	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	250	250	250	250	250	250
GILL WSC	D	O' THE PINES LAKE/RESERVOIR	67	67	67	67	67	67
GUM SPRINGS WSC	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	355	355	355	355	355	355
GUM SPRINGS WSC	I	CHEROKEE LAKE/RESERVOIR	466	466	466	466	466	466
GUM SPRINGS WSC	D	FORK LAKE/RESERVOIR	231	231	231	231	231	231
HALLSVILLE	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	77	77	77	77	77	77
HALLSVILLE	I	CHEROKEE LAKE/RESERVOIR	403	403	403	403	403	403
HALLSVILLE	D	FORK LAKE/RESERVOIR	334	334	334	334	334	334
LEIGH WSC	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	78	78	78	78	78	78
LONGVIEW	I	CHEROKEE LAKE/RESERVOIR	5,485	5,485	5,485	5,485	485	485
LONGVIEW	D	O' THE PINES LAKE/RESERVOIR	400	400	400	400	400	400
LONGVIEW	D	SABINE RUN-OF-RIVER	0	0	0	0	0	0
MARSHALL	D	CYPRESS RUN-OF-RIVER	0	0	0	0	0	0
MARSHALL	D	O' THE PINES LAKE/RESERVOIR	5,419	5,419	5,419	5,419	5,419	5,419
PANOLA-BETHANY WSC	I	CARRIZO-WILCOX AQUIFER   PANOLA COUNTY	262	262	262	262	262	262
SCOTTSVILLE	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	145	145	145	146	146	145

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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
TALLEY WSC	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	84	84	84	84	86	86
WEST HARRISON WSC	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	273	272	272	274	274	273
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	1,350	1,425	1,482	1,549	1,646	1,720
COUNTY-OTHER	I	CHEROKEE LAKE/RESERVOIR	328	328	328	328	328	328
COUNTY-OTHER	D	O' THE PINES LAKE/RESERVOIR	70	70	70	70	70	70
MANUFACTURING	I	CHEROKEE LAKE/RESERVOIR	5,361	5,361	5,361	5,361	5,361	5,361
MANUFACTURING	D	CYPRESS RUN-OF-RIVER	0	0	0	0	0	0
MANUFACTURING	D	FORK LAKE/RESERVOIR	5,524	5,524	5,524	5,524	5,524	5,524
MANUFACTURING	D	GRAYS CREEK RUN-OF-RIVER	12	12	12	12	12	12
MANUFACTURING	D	O' THE PINES LAKE/RESERVOIR	2,400	2,400	2,400	2,400	2,400	2,400
MANUFACTURING	D	SABINE RUN-OF-RIVER	10,630	10,630	10,630	10,630	10,630	10,630
MINING	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	96	105	115	124	132	141
MINING	D	FORK LAKE/RESERVOIR	111	111	111	111	111	111
MINING	D	SABINE RUN-OF-RIVER	405	405	405	405	405	405
STEAM ELECTRIC POWER	D	DIRECT REUSE	6,161	6,161	6,161	6,161	6,161	6,161
STEAM ELECTRIC POWER	D	O' THE PINES LAKE/RESERVOIR	18,000	18,000	18,000	18,000	18,000	18,000
LIVESTOCK	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	405	425	447	469	492	514
IRRIGATION	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	14	14	14	14	14	14
IRRIGATION	D	SABINE RUN-OF-RIVER	163	163	163	163	163	163
<b>SABINE BASIN TOTAL</b>			<b>65,550</b>	<b>65,654</b>	<b>65,742</b>	<b>65,843</b>	<b>60,973</b>	<b>61,077</b>
<b>HARRISON COUNTY TOTAL</b>			<b>72,881</b>	<b>73,105</b>	<b>73,300</b>	<b>73,516</b>	<b>68,775</b>	<b>68,989</b>
CORNERVILLE WSC	D	CARRIZO-WILCOX AQUIFER   HOPKINS COUNTY	97	99	99	97	99	98
CYPRESS SPRINGS SUD	D	CYPRESS SPRINGS LAKE/RESERVOIR	141	137	134	128	127	0
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   HOPKINS COUNTY	179	179	178	178	178	178
MINING	D	NACATOCH AQUIFER   HOPKINS COUNTY	18	19	18	19	19	19
MINING	D	SULPHUR SPRINGS LAKE/RESERVOIR	6	7	7	8	9	9
LIVESTOCK	D	CARRIZO-WILCOX AQUIFER   HOPKINS COUNTY	38	38	38	38	38	38
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	108	108	108	108	108	108
IRRIGATION	D	SABINE RUN-OF-RIVER	1	1	1	1	1	1
<b>CYPRESS BASIN TOTAL</b>			<b>588</b>	<b>588</b>	<b>583</b>	<b>577</b>	<b>579</b>	<b>451</b>
BRASHEAR WSC	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	33	35	37	38	41	43
BRASHEAR WSC	D	SULPHUR SPRINGS LAKE/RESERVOIR	33	35	37	38	41	43
CASH SUD	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	2	2	2	2	1	1
CASH SUD	D	TAWAKONI LAKE/RESERVOIR	5	4	3	3	2	2
CASH SUD	C	TRINITY INDIRECT REUSE	3	3	3	2	2	2
CORNERVILLE WSC	D	CARRIZO-WILCOX AQUIFER   HOPKINS COUNTY	93	93	93	94	92	93
CUMBY	D	NACATOCH AQUIFER   HOPKINS COUNTY	109	109	109	109	109	109
JONES WSC	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	29	34	38	43	46	52
LAKE FORK WSC	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	49	49	47	46	46	48
MARTIN SPRINGS WSC	D	CARRIZO-WILCOX AQUIFER   HOPKINS COUNTY	376	375	374	376	377	377
MARTIN SPRINGS WSC	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	188	188	188	189	189	188
MILLER GROVE WSC	D	CARRIZO-WILCOX AQUIFER   HOPKINS COUNTY	164	164	164	163	164	164
SHADY GROVE NO 2 WSC	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	24	25	27	28	30	31
SHADY GROVE NO 2 WSC	D	SULPHUR SPRINGS LAKE/RESERVOIR	24	25	26	27	29	31
SHIRLEY WSC	D	CARRIZO-WILCOX AQUIFER   HOPKINS COUNTY	230	231	230	230	230	230

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

WUG NAME	SOURCE	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
	REGION		2020	2030	2040	2050	2060	2070
SHIRLEY WSC	D	CARRIZO-WILCOX AQUIFER   RAINS COUNTY	98	98	98	98	98	98
SULPHUR SPRINGS	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	15	14	14	15	14	14
SULPHUR SPRINGS	D	SULPHUR SPRINGS LAKE/RESERVOIR	1	1	1	1	1	1
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   HOPKINS COUNTY	464	465	466	464	461	461
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   RAINS COUNTY	112	112	112	112	112	112
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	7	7	7	7	7	7
COUNTY-OTHER	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	213	222	227	208	191	173
MINING	D	NACATOCH AQUIFER   HOPKINS COUNTY	187	192	193	193	195	195
MINING	D	SULPHUR SPRINGS LAKE/RESERVOIR	62	68	74	81	88	96
LIVESTOCK	D	CARRIZO-WILCOX AQUIFER   HOPKINS COUNTY	249	249	249	249	249	249
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	1,208	1,208	1,208	1,208	1,208	1,208
IRRIGATION	D	SABINE RUN-OF-RIVER	18	18	18	18	18	18
<b>SABINE BASIN TOTAL</b>			<b>3,996</b>	<b>4,026</b>	<b>4,045</b>	<b>4,042</b>	<b>4,041</b>	<b>4,046</b>
BRASHEAR WSC	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	41	43	45	47	50	53
BRASHEAR WSC	D	SULPHUR SPRINGS LAKE/RESERVOIR	41	42	44	47	49	53
BRINKER WSC	D	CARRIZO-WILCOX AQUIFER   HOPKINS COUNTY	252	251	251	252	253	253
BRINKER WSC	D	SULPHUR SPRINGS LAKE/RESERVOIR	77	77	77	77	77	77
CUMBY	D	NACATOCH AQUIFER   HOPKINS COUNTY	11	11	11	11	11	11
CYPRESS SPRINGS SUD	D	CYPRESS SPRINGS LAKE/RESERVOIR	283	275	267	261	258	0
GAFFORD CHAPEL WSC	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	54	56	58	60	64	68
GAFFORD CHAPEL WSC	D	NACATOCH AQUIFER   DELTA COUNTY	0	0	0	0	0	0
GAFFORD CHAPEL WSC	D	NACATOCH AQUIFER   HOPKINS COUNTY	52	52	52	52	52	52
GAFFORD CHAPEL WSC	D	NACATOCH AQUIFER   HUNT COUNTY	0	0	0	0	0	0
GAFFORD CHAPEL WSC	D	SULPHUR SPRINGS LAKE/RESERVOIR	55	55	57	61	64	67
MARTIN SPRINGS WSC	D	CARRIZO-WILCOX AQUIFER   HOPKINS COUNTY	69	69	69	69	69	69
MARTIN SPRINGS WSC	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	35	35	35	34	34	35
NORTH HOPKINS WSC	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	921	921	921	921	921	921
SHADY GROVE NO 2 WSC	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	30	31	32	34	36	38
SHADY GROVE NO 2 WSC	D	SULPHUR SPRINGS LAKE/RESERVOIR	29	31	33	34	36	38
SULPHUR SPRINGS	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	4,552	4,553	4,553	4,552	4,553	4,553
SULPHUR SPRINGS	D	SULPHUR RUN-OF-RIVER	120	120	120	130	130	130
SULPHUR SPRINGS	D	SULPHUR SPRINGS LAKE/RESERVOIR	434	434	434	434	434	434
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   HOPKINS COUNTY	390	392	393	390	387	387
COUNTY-OTHER	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	174	183	189	169	150	130
COUNTY-OTHER	D	NACATOCH AQUIFER   HOPKINS COUNTY	114	91	88	87	85	85
MANUFACTURING	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	1,268	1,378	1,481	1,515	1,601	1,736
MANUFACTURING	D	SULPHUR SPRINGS LAKE/RESERVOIR	473	452	434	472	525	539
MINING	D	NACATOCH AQUIFER   HOPKINS COUNTY	399	410	411	412	414	414
MINING	D	SULPHUR SPRINGS LAKE/RESERVOIR	132	145	159	172	188	205
LIVESTOCK	D	CARRIZO-WILCOX AQUIFER   HOPKINS COUNTY	130	130	130	130	131	131
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	1,570	1,493	1,324	1,314	1,130	1,049

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

WUG NAME	SOURCE	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
	REGION		2020	2030	2040	2050	2060	2070
LIVESTOCK	D	NACATOCH AQUIFER   HOPKINS COUNTY	77	77	77	77	77	77
LIVESTOCK	D	SULPHUR SPRINGS LAKE/RESERVOIR	1,474	1,551	1,720	1,730	1,914	1,996
IRRIGATION	D	CARRIZO-WILCOX AQUIFER   HOPKINS COUNTY	49	49	49	49	49	49
IRRIGATION	D	SULPHUR RUN-OF-RIVER	82	82	82	87	87	87
<b>SULPHUR BASIN TOTAL</b>			<b>13,388</b>	<b>13,489</b>	<b>13,596</b>	<b>13,680</b>	<b>13,829</b>	<b>13,737</b>
<b>HOPKINS COUNTY TOTAL</b>			<b>17,972</b>	<b>18,103</b>	<b>18,224</b>	<b>18,299</b>	<b>18,449</b>	<b>18,234</b>
ABLES SPRINGS WSC	D	FORK LAKE/RESERVOIR	3	0	0	0	0	0
ABLES SPRINGS WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	30	40	52	66	86	114
ABLES SPRINGS WSC	D	TAWAKONI LAKE/RESERVOIR	5	2	3	4	5	6
ABLES SPRINGS WSC	C	TRINITY INDIRECT REUSE	21	31	44	62	86	121
B H P WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	169	173	186	212	250	313
B H P WSC	C	TRINITY INDIRECT REUSE	116	136	158	197	252	332
BLACKLAND WSC	D	FORK LAKE/RESERVOIR	0	0	0	0	0	0
BLACKLAND WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	5	4	3	3	3	2
BLACKLAND WSC	D	TAWAKONI LAKE/RESERVOIR	1	0	0	0	0	0
BLACKLAND WSC	C	TRINITY INDIRECT REUSE	3	3	3	2	2	2
CADDO BASIN SUD	D	FORK LAKE/RESERVOIR	44	0	0	0	0	0
CADDO BASIN SUD	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	209	228	258	305	378	478
CADDO BASIN SUD	D	TAWAKONI LAKE/RESERVOIR	67	26	30	35	44	56
CADDO BASIN SUD	C	TRINITY INDIRECT REUSE	212	295	387	520	682	892
CADDO MILLS	D	TAWAKONI LAKE/RESERVOIR	178	186	201	242	309	319
CASH SUD	D	FORK LAKE/RESERVOIR	870	3,933	3,900	3,819	3,725	3,640
CASH SUD	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	371	389	377	434	389	364
CASH SUD	D	TAWAKONI LAKE/RESERVOIR	851	777	775	774	766	759
CASH SUD	C	TRINITY INDIRECT REUSE	458	558	639	676	616	566
CELESTE	D	WOODBINE AQUIFER   HUNT COUNTY	95	95	95	95	95	95
COMBINED CONSUMERS SUD	D	FORK LAKE/RESERVOIR	2,240	2,240	2,240	2,240	2,240	2,240
GREENVILLE	D	GREENVILLE CITY LAKE/RESERVOIR	2,896	2,896	2,896	2,896	2,896	2,896
GREENVILLE	D	TAWAKONI LAKE/RESERVOIR	5,873	8,797	8,759	8,704	8,456	8,122
HICKORY CREEK SUD	D	WOODBINE AQUIFER   HUNT COUNTY	157	159	162	163	165	165
JOSEPHINE	D	FORK LAKE/RESERVOIR	2	0	0	0	0	0
JOSEPHINE	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	20	30	43	58	52	47
JOSEPHINE	D	TAWAKONI LAKE/RESERVOIR	3	2	2	3	3	3
JOSEPHINE	C	TRINITY INDIRECT REUSE	14	24	36	54	52	51
MACBEE SUD	D	TAWAKONI LAKE/RESERVOIR	23	123	139	160	193	237
POETRY WSC	D	FORK LAKE/RESERVOIR	14	0	0	0	0	0
POETRY WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	128	137	148	167	199	244
POETRY WSC	D	TAWAKONI LAKE/RESERVOIR	21	7	7	9	12	13
POETRY WSC	C	TRINITY INDIRECT REUSE	88	107	126	155	200	261
QUINLAN	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	325	365	414	380	345	313
ROYSE CITY	D	FORK LAKE/RESERVOIR	2	0	0	0	0	0
ROYSE CITY	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	22	23	26	29	35	43
ROYSE CITY	D	TAWAKONI LAKE/RESERVOIR	4	1	1	2	2	2
ROYSE CITY	C	TRINITY INDIRECT REUSE	15	19	22	28	34	47
SHADY GROVE WSC	D	TAWAKONI LAKE/RESERVOIR	139	164	202	257	338	457
WEST TAWAKONI	D	TAWAKONI LAKE/RESERVOIR	186	1,064	1,056	1,047	1,039	1,031
COUNTY-OTHER	D	BIG CREEK LAKE/RESERVOIR	4	6	8	12	19	21



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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
COUNTY-OTHER	D	FORK LAKE/RESERVOIR	32	0	0	0	0	0
COUNTY-OTHER	D	NACATOCH AQUIFER   HUNT COUNTY	444	445	445	445	445	445
COUNTY-OTHER	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	139	144	155	170	206	236
COUNTY-OTHER	D	TAWAKONI LAKE/RESERVOIR	1,381	1,482	1,683	2,792	2,995	3,446
COUNTY-OTHER	C	TRINITY INDIRECT REUSE	155	202	263	332	418	511
COUNTY-OTHER	D	WOODBINE AQUIFER   HUNT COUNTY	15	15	15	15	15	15
MANUFACTURING	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	50	50	50	50	50	50
MANUFACTURING	D	GREENVILLE CITY LAKE/RESERVOIR	103	103	103	103	103	103
MANUFACTURING	D	NACATOCH AQUIFER   HUNT COUNTY	200	200	200	200	200	200
MANUFACTURING	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	1	1	1	1	1	1
MANUFACTURING	D	TAWAKONI LAKE/RESERVOIR	694	862	1,043	1,216	1,335	1,521
MINING	D	NACATOCH AQUIFER   HUNT COUNTY	36	34	30	28	22	20
MINING	D	TAWAKONI LAKE/RESERVOIR	13	14	16	17	19	16
STEAM ELECTRIC POWER	D	GREENVILLE CITY LAKE/RESERVOIR	351	351	351	351	351	351
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	812	812	812	812	812	812
IRRIGATION	D	NACATOCH AQUIFER   HUNT COUNTY	94	94	94	94	94	94
IRRIGATION	D	SABINE RUN-OF-RIVER	19	19	19	19	19	19
<b>SABINE BASIN TOTAL</b>			<b>20,423</b>	<b>27,868</b>	<b>28,678</b>	<b>30,455</b>	<b>31,053</b>	<b>32,092</b>
CASH SUD	D	FORK LAKE/RESERVOIR	1	0	0	0	0	0
CASH SUD	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	5	6	5	6	6	5
CASH SUD	D	TAWAKONI LAKE/RESERVOIR	13	12	12	11	11	11
CASH SUD	C	TRINITY INDIRECT REUSE	6	8	9	9	9	8
COMMERCE	D	FORK LAKE/RESERVOIR	0	0	0	0	0	0
COMMERCE	D	NACATOCH AQUIFER   DELTA COUNTY	122	122	122	122	122	122
COMMERCE	D	NACATOCH AQUIFER   HUNT COUNTY	125	125	125	125	125	125
COMMERCE	I	SABINE RUN-OF-RIVER	0	0	0	0	0	0
COMMERCE	D	TAWAKONI LAKE/RESERVOIR	1,130	1,259	1,452	1,743	2,177	2,812
COMMERCE	I	TOLEDO BEND LAKE/RESERVOIR	0	0	0	0	0	0
DELTA COUNTY MUD	D	BIG CREEK LAKE/RESERVOIR	1	1	1	1	1	1
HICKORY CREEK SUD	D	WOODBINE AQUIFER   HUNT COUNTY	109	112	113	114	114	114
NORTH HUNT SUD	D	TAWAKONI LAKE/RESERVOIR	120	124	128	132	135	137
NORTH HUNT SUD	D	WOODBINE AQUIFER   HUNT COUNTY	45	46	48	49	50	51
TEXAS A&M UNIVERSITY COMMERCE	D	NACATOCH AQUIFER   HUNT COUNTY	156	156	156	156	156	156
WOLFE CITY	D	TURKEY CREEK LAKE/RESERVOIR	190	190	190	190	190	190
WOLFE CITY	D	WOODBINE AQUIFER   HUNT COUNTY	19	19	19	19	19	19
COUNTY-OTHER	D	FORK LAKE/RESERVOIR	2	0	0	0	0	0
COUNTY-OTHER	D	NACATOCH AQUIFER   HUNT COUNTY	13	13	13	13	13	13
COUNTY-OTHER	D	TAWAKONI LAKE/RESERVOIR	19	27	40	113	127	155
MANUFACTURING	D	TAWAKONI LAKE/RESERVOIR	338	401	470	535	580	650
MINING	D	TAWAKONI LAKE/RESERVOIR	5	5	6	6	9	13
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	300	300	300	300	300	300
IRRIGATION	D	SULPHUR RUN-OF-RIVER	0	0	0	0	0	0
<b>SULPHUR BASIN TOTAL</b>			<b>2,719</b>	<b>2,926</b>	<b>3,209</b>	<b>3,644</b>	<b>4,144</b>	<b>4,882</b>
FROGNOT WSC	C	WOODBINE AQUIFER   COLLIN COUNTY	6	6	6	6	6	6
HICKORY CREEK SUD	D	WOODBINE AQUIFER   HUNT COUNTY	54	55	55	55	56	56
WEST LEONARD WSC		NO WATER SUPPLY ASSOCIATED WITH WUG	0	0	0	0	0	0

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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
COUNTY-OTHER	D	NACATOCH AQUIFER   HUNT COUNTY	1	0	0	0	0	0
COUNTY-OTHER	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	2	4	4	9	2	7
COUNTY-OTHER	D	TAWAKONI LAKE/RESERVOIR	9	12	18	51	56	69
COUNTY-OTHER	D	TRINITY AQUIFER   HUNT COUNTY	0	0	0	0	0	0
COUNTY-OTHER	C	TRINITY INDIRECT REUSE	1	4	5	9	0	2
COUNTY-OTHER	D	WOODBINE AQUIFER   HUNT COUNTY	24	19	14	4	0	0
MINING	D	TAWAKONI LAKE/RESERVOIR	1	1	1	1	1	1
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	34	34	34	34	35	35
LIVESTOCK	D	TRINITY AQUIFER   HUNT COUNTY	0	0	0	0	0	0
IRRIGATION	D	NACATOCH AQUIFER   HUNT COUNTY	12	12	12	12	12	12
<b>TRINITY BASIN TOTAL</b>			<b>144</b>	<b>147</b>	<b>149</b>	<b>181</b>	<b>168</b>	<b>188</b>
<b>HUNT COUNTY TOTAL</b>			<b>23,286</b>	<b>30,941</b>	<b>32,036</b>	<b>34,280</b>	<b>35,365</b>	<b>37,162</b>
LAMAR COUNTY WSD	D	PAT MAYSE LAKE/RESERVOIR	5,334	5,278	5,229	5,193	5,159	5,108
PARIS	D	CROOK LAKE/RESERVOIR	806	806	806	806	806	806
PARIS	D	PAT MAYSE LAKE/RESERVOIR	10,352	10,234	10,119	10,023	9,839	9,742
RENO (Lamar)	D	PAT MAYSE LAKE/RESERVOIR	115	128	138	149	160	171
COUNTY-OTHER	D	PAT MAYSE LAKE/RESERVOIR	5	6	6	6	6	6
COUNTY-OTHER	D	TRINITY AQUIFER   LAMAR COUNTY	0	0	0	0	0	0
COUNTY-OTHER	D	WOODBINE AQUIFER   LAMAR COUNTY	0	0	0	0	0	0
MANUFACTURING	D	DIRECT REUSE	12	12	12	12	12	12
MANUFACTURING	D	PAT MAYSE LAKE/RESERVOIR	858	900	941	976	1,042	1,077
STEAM ELECTRIC POWER	D	PAT MAYSE LAKE/RESERVOIR	683	683	683	683	683	683
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	0	0	0	0	0	0
LIVESTOCK	D	TRINITY AQUIFER   LAMAR COUNTY	0	0	0	0	0	0
LIVESTOCK	D	WOODBINE AQUIFER   LAMAR COUNTY	0	0	0	0	0	0
IRRIGATION	D	RED RUN-OF-RIVER	6,468	6,468	6,468	6,468	6,468	6,468
IRRIGATION	D	TRINITY AQUIFER   LAMAR COUNTY	0	0	0	0	0	0
IRRIGATION	D	WOODBINE AQUIFER   LAMAR COUNTY	0	0	0	0	0	0
<b>RED BASIN TOTAL</b>			<b>24,633</b>	<b>24,515</b>	<b>24,402</b>	<b>24,316</b>	<b>24,175</b>	<b>24,073</b>
BLOSSOM	D	PAT MAYSE LAKE/RESERVOIR	216	230	245	245	245	245
LAMAR COUNTY WSD	D	PAT MAYSE LAKE/RESERVOIR	3,557	3,518	3,486	3,462	3,438	3,404
PARIS	D	CROOK LAKE/RESERVOIR	1,210	1,210	1,210	1,210	1,210	1,210
PARIS	D	PAT MAYSE LAKE/RESERVOIR	15,528	15,351	15,179	15,035	14,759	14,614
RENO (Lamar)	D	PAT MAYSE LAKE/RESERVOIR	513	571	616	665	713	764
COUNTY-OTHER	D	PAT MAYSE LAKE/RESERVOIR	269	274	279	277	275	273
COUNTY-OTHER	D	TRINITY AQUIFER   LAMAR COUNTY	1	1	1	1	1	1
MANUFACTURING	D	PAT MAYSE LAKE/RESERVOIR	5,091	5,340	5,580	5,787	6,183	6,386
STEAM ELECTRIC POWER	D	PAT MAYSE LAKE/RESERVOIR	8,278	8,278	8,278	8,278	8,278	8,278
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	1,623	1,623	1,623	1,623	1,623	1,623
LIVESTOCK	D	TRINITY AQUIFER   LAMAR COUNTY	1	1	1	1	1	1
IRRIGATION	D	RED RUN-OF-RIVER	2,141	2,141	2,141	2,141	2,141	2,141
IRRIGATION	D	WOODBINE AQUIFER   LAMAR COUNTY	49	49	49	49	49	49
<b>SULPHUR BASIN TOTAL</b>			<b>38,477</b>	<b>38,587</b>	<b>38,688</b>	<b>38,774</b>	<b>38,916</b>	<b>38,989</b>
<b>LAMAR COUNTY TOTAL</b>			<b>63,110</b>	<b>63,102</b>	<b>63,090</b>	<b>63,090</b>	<b>63,091</b>	<b>63,062</b>
DIANA SUD	D	CARRIZO-WILCOX AQUIFER   MARION COUNTY	32	32	32	32	32	32
DIANA SUD	D	O' THE PINES LAKE/RESERVOIR	24	24	24	24	24	24
E M C WSC	D	CARRIZO-WILCOX AQUIFER   MARION COUNTY	243	243	243	243	243	243

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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
HARLETON WSC	D	CARRIZO-WILCOX AQUIFER   HARRISON COUNTY	81	81	81	81	81	81
JEFFERSON	D	CYPRESS RUN-OF-RIVER	148	148	148	148	148	148
JEFFERSON	D	O' THE PINES LAKE/RESERVOIR	1,509	1,509	1,509	1,509	1,509	1,509
KELLYVILLE-BEREA WSC	D	CARRIZO-WILCOX AQUIFER   MARION COUNTY	148	148	148	148	148	148
MIMS WSC	D	O' THE PINES LAKE/RESERVOIR	763	763	763	763	763	763
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   MARION COUNTY	1,553	1,553	1,553	1,553	1,553	1,553
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	35	35	35	35	35	35
COUNTY-OTHER	D	O' THE PINES LAKE/RESERVOIR	178	178	178	178	178	178
MINING	D	CARRIZO-WILCOX AQUIFER   MARION COUNTY	116	119	122	124	126	128
STEAM ELECTRIC POWER	D	CARRIZO-WILCOX AQUIFER   MARION COUNTY	75	75	75	75	75	75
STEAM ELECTRIC POWER	D	O' THE PINES LAKE/RESERVOIR	1,777	2,090	2,472	2,937	3,505	3,892
LIVESTOCK	D	CARRIZO-WILCOX AQUIFER   MARION COUNTY	130	130	130	130	130	130
LIVESTOCK	D	QUEEN CITY AQUIFER   MARION COUNTY	281	281	281	281	281	281
IRRIGATION	D	CARRIZO-WILCOX AQUIFER   MARION COUNTY	12	12	12	12	12	12
<b>CYPRESS BASIN TOTAL</b>			<b>7,105</b>	<b>7,421</b>	<b>7,806</b>	<b>8,273</b>	<b>8,843</b>	<b>9,232</b>
<b>MARION COUNTY TOTAL</b>			<b>7,105</b>	<b>7,421</b>	<b>7,806</b>	<b>8,273</b>	<b>8,843</b>	<b>9,232</b>
BI COUNTY WSC	D	CARRIZO-WILCOX AQUIFER   MORRIS COUNTY	132	132	132	132	132	132
DAINGERFIELD	D	O' THE PINES LAKE/RESERVOIR	1,582	1,582	1,582	1,582	1,582	1,582
HOLLY SPRINGS WSC	D	O' THE PINES LAKE/RESERVOIR	32	32	32	33	33	33
HUGHES SPRINGS	D	O' THE PINES LAKE/RESERVOIR	2	2	2	2	2	2
LONE STAR	D	O' THE PINES LAKE/RESERVOIR	747	747	747	747	747	747
NAPLES	D	CARRIZO-WILCOX AQUIFER   MORRIS COUNTY	108	116	116	116	116	116
OMAHA	D	CARRIZO-WILCOX AQUIFER   MORRIS COUNTY	165	165	165	165	165	165
TRI SUD	D	BOB SANDLIN LAKE/RESERVOIR	0	0	0	0	0	0
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   MORRIS COUNTY	353	353	353	353	353	353
MANUFACTURING	D	DIRECT REUSE	72,086	66,660	61,344	62,600	71,474	65,248
MANUFACTURING	D	ELLISON CREEK LAKE/RESERVOIR	13,037	13,037	13,037	13,037	13,037	13,037
MANUFACTURING	D	O' THE PINES LAKE/RESERVOIR	32,400	32,400	32,400	32,400	32,400	32,400
MANUFACTURING	D	QUEEN CITY AQUIFER   MORRIS COUNTY	4,383	4,383	4,383	4,383	4,383	4,383
STEAM ELECTRIC POWER	D	ELLISON CREEK LAKE/RESERVOIR	820	820	820	820	820	820
LIVESTOCK	D	CARRIZO-WILCOX AQUIFER   MORRIS COUNTY	81	78	78	78	78	78
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	185	188	188	188	188	188
LIVESTOCK	D	QUEEN CITY AQUIFER   MORRIS COUNTY	60	60	60	60	60	60
IRRIGATION	D	CARRIZO-WILCOX AQUIFER   MORRIS COUNTY	3	3	3	3	3	3
<b>CYPRESS BASIN TOTAL</b>			<b>126,176</b>	<b>120,758</b>	<b>115,442</b>	<b>116,699</b>	<b>125,573</b>	<b>119,347</b>
NAPLES	D	CARRIZO-WILCOX AQUIFER   MORRIS COUNTY	117	109	109	109	109	109
OMAHA	D	CARRIZO-WILCOX AQUIFER   MORRIS COUNTY	125	125	125	125	125	125
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   MORRIS COUNTY	187	187	187	187	187	187
LIVESTOCK	D	CARRIZO-WILCOX AQUIFER   MORRIS COUNTY	74	72	72	72	72	72
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	171	173	173	173	173	173
LIVESTOCK	D	QUEEN CITY AQUIFER   MORRIS COUNTY	55	55	55	55	55	55
IRRIGATION	D	CARRIZO-WILCOX AQUIFER   MORRIS COUNTY	8	8	8	8	8	8
<b>SULPHUR BASIN TOTAL</b>			<b>737</b>	<b>729</b>	<b>729</b>	<b>729</b>	<b>729</b>	<b>729</b>
<b>MORRIS COUNTY TOTAL</b>			<b>126,913</b>	<b>121,487</b>	<b>116,171</b>	<b>117,428</b>	<b>126,302</b>	<b>120,076</b>
BRIGHT STAR SALEM SUD	D	CARRIZO-WILCOX AQUIFER   RAINS COUNTY	344	344	344	344	344	344
BRIGHT STAR SALEM SUD	D	FORK LAKE/RESERVOIR	0	840	840	840	840	840
CASH SUD	D	FORK LAKE/RESERVOIR	3	0	0	0	0	0

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

WUG NAME	SOURCE	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
	REGION		2020	2030	2040	2050	2060	2070
CASH SUD	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	14	13	11	11	8	6
CASH SUD	D	TAWAKONI LAKE/RESERVOIR	33	27	22	19	16	13
CASH SUD	C	TRINITY INDIRECT REUSE	18	19	18	17	12	10
EAST TAWAKONI	D	TAWAKONI LAKE/RESERVOIR	773	773	773	773	773	773
EMORY	D	FORK LAKE/RESERVOIR	498	827	819	811	804	796
EMORY	D	TAWAKONI LAKE/RESERVOIR	0	0	0	0	0	0
GOLDEN WSC	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	9	9	9	9	9	9
MILLER GROVE WSC	D	CARRIZO-WILCOX AQUIFER   HOPKINS COUNTY	28	28	28	29	28	28
POINT	D	FORK LAKE/RESERVOIR	172	208	207	205	204	202
POINT	D	TAWAKONI LAKE/RESERVOIR	48	47	45	44	42	41
SHIRLEY WSC	D	CARRIZO-WILCOX AQUIFER   HOPKINS COUNTY	106	106	106	106	106	106
SHIRLEY WSC	D	CARRIZO-WILCOX AQUIFER   RAINS COUNTY	46	46	46	46	46	46
SOUTH RAINS SUD	D	CARRIZO-WILCOX AQUIFER   RAINS COUNTY	90	90	90	90	90	90
SOUTH RAINS SUD	D	TAWAKONI LAKE/RESERVOIR	190	192	188	187	187	188
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   HOPKINS COUNTY	113	113	113	113	113	113
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   RAINS COUNTY	204	217	220	218	215	215
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	7	7	7	7	7	7
COUNTY-OTHER	D	NACATOCH AQUIFER   HOPKINS COUNTY	69	75	77	76	74	74
MANUFACTURING	D	TAWAKONI LAKE/RESERVOIR	5	5	5	5	5	5
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	506	506	506	506	506	506
IRRIGATION	D	SABINE RUN-OF-RIVER	211	211	211	211	211	211
<b>SABINE BASIN TOTAL</b>			<b>3,487</b>	<b>4,703</b>	<b>4,685</b>	<b>4,667</b>	<b>4,640</b>	<b>4,623</b>
<b>RAINS COUNTY TOTAL</b>			<b>3,487</b>	<b>4,703</b>	<b>4,685</b>	<b>4,667</b>	<b>4,640</b>	<b>4,623</b>
410 WSC	D	PAT MAYSE LAKE/RESERVOIR	67	66	64	64	63	63
RED RIVER COUNTY WSC	D	BLOSSOM AQUIFER   RED RIVER COUNTY	29	30	30	30	30	30
RED RIVER COUNTY WSC	D	PAT MAYSE LAKE/RESERVOIR	184	184	184	184	184	184
RED RIVER COUNTY WSC	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
COUNTY-OTHER	D	PAT MAYSE LAKE/RESERVOIR	118	118	118	118	118	118
COUNTY-OTHER	D	TRINITY AQUIFER   RED RIVER COUNTY	23	23	23	23	23	23
COUNTY-OTHER	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
LIVESTOCK	D	BLOSSOM AQUIFER   RED RIVER COUNTY	94	94	94	94	94	94
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	474	474	474	474	474	474
LIVESTOCK	D	NACATOCH AQUIFER   RED RIVER COUNTY	8	8	8	8	8	8
LIVESTOCK	D	WOODBINE AQUIFER   RED RIVER COUNTY	2	2	2	2	2	2
IRRIGATION	D	RED RUN-OF-RIVER	2,089	2,089	2,089	2,089	2,089	2,089
<b>RED BASIN TOTAL</b>			<b>3,088</b>	<b>3,088</b>	<b>3,086</b>	<b>3,086</b>	<b>3,085</b>	<b>3,085</b>
410 WSC	D	PAT MAYSE LAKE/RESERVOIR	157	152	149	148	148	148
BOGATA	D	NACATOCH AQUIFER   RED RIVER COUNTY	510	510	510	510	510	510
CLARKSVILLE	D	BLOSSOM AQUIFER   RED RIVER COUNTY	383	371	371	371	371	371
CLARKSVILLE	D	LANGFORD LAKE/RESERVOIR	0	0	0	0	0	0
RED RIVER COUNTY WSC	D	BLOSSOM AQUIFER   RED RIVER COUNTY	212	223	223	223	223	223
RED RIVER COUNTY WSC	D	NACATOCH AQUIFER   RED RIVER COUNTY	188	188	188	188	188	188
RED RIVER COUNTY WSC	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   TITUS COUNTY	0	0	0	0	0	0
COUNTY-OTHER	D	NACATOCH AQUIFER   RED RIVER COUNTY	56	55	54	54	54	54
COUNTY-OTHER	D	PAT MAYSE LAKE/RESERVOIR	135	132	129	129	129	129
COUNTY-OTHER	D	WRIGHT PATMAN LAKE/RESERVOIR	0	0	0	0	0	0

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

WUG NAME	SOURCE	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
	REGION		2020	2030	2040	2050	2060	2070
MANUFACTURING	D	BLOSSOM AQUIFER   RED RIVER COUNTY	1	1	1	1	1	1
MANUFACTURING	D	LANGFORD LAKE/RESERVOIR	7	7	0	0	0	0
MINING	D	BLOSSOM AQUIFER   RED RIVER COUNTY	4	4	3	3	3	3
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	911	911	911	911	911	911
LIVESTOCK	D	NACATOCH AQUIFER   RED RIVER COUNTY	38	38	38	38	38	38
IRRIGATION	D	SULPHUR RUN-OF-RIVER	443	443	443	443	470	470
<b>SULPHUR BASIN TOTAL</b>			<b>3,045</b>	<b>3,035</b>	<b>3,020</b>	<b>3,019</b>	<b>3,046</b>	<b>3,046</b>
<b>RED RIVER COUNTY TOTAL</b>			<b>6,133</b>	<b>6,123</b>	<b>6,106</b>	<b>6,105</b>	<b>6,131</b>	<b>6,131</b>
CARROLL WSC		NO WATER SUPPLY ASSOCIATED WITH WUG	0	0	0	0	0	0
CRYSTAL SYSTEMS TEXAS	D	CARRIZO-WILCOX AQUIFER   SMITH COUNTY	392	333	270	197	92	0
CRYSTAL SYSTEMS TEXAS	I	CARRIZO-WILCOX AQUIFER   SMITH COUNTY	195	141	89	37	0	0
JACKSON WSC	D	CARRIZO-WILCOX AQUIFER   SMITH COUNTY	197	213	235	263	301	347
LIBERTY CITY WSC	D	CARRIZO-WILCOX AQUIFER   SMITH COUNTY	17	17	17	17	17	17
LINDALE	D	CARRIZO-WILCOX AQUIFER   SMITH COUNTY	813	813	813	813	813	813
LINDALE RURAL WSC	D	CARRIZO-WILCOX AQUIFER   SMITH COUNTY	1,059	1,059	1,026	962	894	860
OVERTON		NO WATER SUPPLY ASSOCIATED WITH WUG	0	0	0	0	0	0
PINE RIDGE WSC	D	CARRIZO-WILCOX AQUIFER   SMITH COUNTY	272	271	272	271	271	271
SAND FLAT WSC	D	CARRIZO-WILCOX AQUIFER   SMITH COUNTY	546	546	546	546	546	546
SMITH COUNTY MUD 1	D	CARRIZO-WILCOX AQUIFER   SMITH COUNTY	887	887	887	887	887	887
SMITH COUNTY MUD 1	D	QUEEN CITY AQUIFER   SMITH COUNTY	269	269	269	269	269	269
SOUTHERN UTILITIES	D	CARRIZO-WILCOX AQUIFER   SMITH COUNTY	2,045	2,272	2,540	2,707	2,167	1,760
SOUTHERN UTILITIES	I	CARRIZO-WILCOX AQUIFER   SMITH COUNTY	0	0	0	169	1,128	2,038
STAR MOUNTAIN WSC	D	CARRIZO-WILCOX AQUIFER   SMITH COUNTY	213	213	213	213	213	213
STARRVILLE-FRIENDSHIP WSC	D	CARRIZO-WILCOX AQUIFER   GREGG COUNTY	147	147	147	147	147	147
STARRVILLE-FRIENDSHIP WSC	D	CARRIZO-WILCOX AQUIFER   SMITH COUNTY	92	92	92	92	92	92
TYLER	I	CARRIZO-WILCOX AQUIFER   SMITH COUNTY	21	24	27	30	35	40
TYLER	I	PALESTINE LAKE/RESERVOIR	80	89	99	114	129	149
TYLER	I	TYLER LAKE/RESERVOIR	91	101	113	128	147	170
WEST GREGG SUD	D	CARRIZO-WILCOX AQUIFER   GREGG COUNTY	0	0	0	0	0	13
WEST GREGG SUD	D	CARRIZO-WILCOX AQUIFER   SMITH COUNTY	127	127	127	127	127	127
WINONA	D	CARRIZO-WILCOX AQUIFER   SMITH COUNTY	169	169	169	169	169	169
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   SMITH COUNTY	2,889	3,105	3,330	3,697	4,159	4,477
COUNTY-OTHER	D	GLADEWATER LAKE/RESERVOIR	23	23	23	23	23	23
MANUFACTURING		NO WATER SUPPLY ASSOCIATED WITH WUG	0	0	0	0	0	0
MINING	D	CARRIZO-WILCOX AQUIFER   SMITH COUNTY	48	88	106	137	158	180
MINING	D	QUEEN CITY AQUIFER   SMITH COUNTY	272	272	272	272	272	272
LIVESTOCK	D	QUEEN CITY AQUIFER   SMITH COUNTY	468	468	468	468	468	468
IRRIGATION	D	QUEEN CITY AQUIFER   SMITH COUNTY	370	389	408	428	450	475
<b>SABINE BASIN TOTAL</b>			<b>11,702</b>	<b>12,128</b>	<b>12,558</b>	<b>13,183</b>	<b>13,974</b>	<b>14,823</b>
<b>SMITH COUNTY TOTAL</b>			<b>11,702</b>	<b>12,128</b>	<b>12,558</b>	<b>13,183</b>	<b>13,974</b>	<b>14,823</b>
BI COUNTY WSC	D	CARRIZO-WILCOX AQUIFER   TITUS COUNTY	76	76	76	76	76	76
CYPRESS SPRINGS SUD	D	CYPRESS SPRINGS LAKE/RESERVOIR	44	44	53	58	61	0
MOUNT PLEASANT	D	BOB SANDLIN LAKE/RESERVOIR	2,677	0	0	0	0	0
MOUNT PLEASANT	D	CYPRESS RUN-OF-RIVER	404	404	404	404	404	404
MOUNT PLEASANT	D	CYPRESS SPRINGS LAKE/RESERVOIR	2,203	1,963	1,723	1,483	1,233	995
MOUNT PLEASANT	D	TANKERSLEY LAKE/RESERVOIR	950	950	950	950	950	950
TRI SUD	D	BOB SANDLIN LAKE/RESERVOIR	0	0	0	0	0	0

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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
COUNTY-OTHER	D	BOB SANDLIN LAKE/RESERVOIR	87	0	0	0	0	0
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   TITUS COUNTY	415	438	457	475	439	416
MANUFACTURING	D	BOB SANDLIN LAKE/RESERVOIR	2,795	0	0	0	0	0
MANUFACTURING	D	CARRIZO-WILCOX AQUIFER   TITUS COUNTY	1,887	2,027	2,150	2,140	1,881	1,751
MANUFACTURING	D	DIRECT REUSE	160	160	160	160	160	160
MANUFACTURING	D	TANKERSLEY LAKE/RESERVOIR	550	550	550	550	550	550
MINING	D	BOB SANDLIN LAKE/RESERVOIR	860	690	647	689	834	728
MINING	D	CARRIZO-WILCOX AQUIFER   TITUS COUNTY	2,714	3,109	3,376	3,559	3,273	3,376
MINING	D	CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	80	80	80	80	80	80
MINING	D	MONTICELLO LAKE/RESERVOIR	538	538	538	538	461	0
STEAM ELECTRIC POWER	D	BOB SANDLIN LAKE/RESERVOIR	10,000	10,000	10,000	10,000	10,000	10,000
STEAM ELECTRIC POWER	D	CARRIZO-WILCOX AQUIFER   TITUS COUNTY	3	3	3	3	578	548
STEAM ELECTRIC POWER	D	MONTICELLO LAKE/RESERVOIR	4,462	3,962	3,462	2,862	2,439	2,400
STEAM ELECTRIC POWER	D	O' THE PINES LAKE/RESERVOIR	14,400	14,400	14,400	14,400	14,400	14,400
STEAM ELECTRIC POWER	D	WELSH LAKE/RESERVOIR	3,000	2,800	2,600	2,400	2,100	1,800
LIVESTOCK	D	CARRIZO-WILCOX AQUIFER   TITUS COUNTY	433	433	433	433	428	428
IRRIGATION	D	CYPRESS RUN-OF-RIVER	4	4	4	4	4	4
IRRIGATION	D	SULPHUR RUN-OF-RIVER	152	152	152	152	152	152
<b>CYPRESS BASIN TOTAL</b>			<b>48,894</b>	<b>42,783</b>	<b>42,218</b>	<b>41,416</b>	<b>40,503</b>	<b>39,218</b>
CYPRESS SPRINGS SUD	D	CYPRESS SPRINGS LAKE/RESERVOIR	67	75	81	88	96	0
TRI SUD	D	BOB SANDLIN LAKE/RESERVOIR	0	0	0	0	0	0
COUNTY-OTHER	D	BOB SANDLIN LAKE/RESERVOIR	600	0	0	0	0	0
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   TITUS COUNTY	395	432	454	477	500	500
COUNTY-OTHER	D	NACATOCH AQUIFER   RED RIVER COUNTY	76	76	76	76	76	76
MINING	D	CARRIZO-WILCOX AQUIFER   TITUS COUNTY	361	383	406	429	453	475
LIVESTOCK	D	CARRIZO-WILCOX AQUIFER   TITUS COUNTY	418	418	418	418	378	357
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	156	156	156	156	156	156
LIVESTOCK	D	SULPHUR RUN-OF-RIVER	1	1	1	1	1	1
IRRIGATION	D	SULPHUR RUN-OF-RIVER	1,303	1,303	1,303	1,303	1,306	1,306
<b>SULPHUR BASIN TOTAL</b>			<b>3,377</b>	<b>2,844</b>	<b>2,895</b>	<b>2,948</b>	<b>2,966</b>	<b>2,871</b>
<b>TITUS COUNTY TOTAL</b>			<b>52,271</b>	<b>45,627</b>	<b>45,113</b>	<b>44,364</b>	<b>43,469</b>	<b>42,089</b>
BI COUNTY WSC	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	479	479	479	479	479	479
DIANA SUD	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	727	727	727	727	727	727
DIANA SUD	D	O' THE PINES LAKE/RESERVOIR	524	524	524	524	524	524
EAST MOUNTAIN WATER SYSTEM	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	53	53	53	53	53	53
GILMER	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	1,094	1,094	1,094	1,094	1,094	1,094
GILMER	D	GILMER LAKE/RESERVOIR	0	0	0	0	0	0
GLENWOOD WSC	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	351	352	351	351	351	351
ORE CITY	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	214	214	214	214	214	214
ORE CITY	D	O' THE PINES LAKE/RESERVOIR	1,504	1,504	1,504	1,504	1,504	1,504
PRITCHETT WSC	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	441	441	441	441	441	441
SHARON WSC	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	363	363	363	363	363	363
UNION GROVE WSC	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	15	14	14	15	14	14
COUNTY-OTHER	D	BIG SANDY CREEK LAKE/RESERVOIR	27	27	27	27	27	27
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	842	877	895	910	931	953
COUNTY-OTHER	D	GLADEWATER LAKE/RESERVOIR	76	76	76	76	76	76

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

WUG NAME	SOURCE REGION	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
			2020	2030	2040	2050	2060	2070
MANUFACTURING	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	6	6	6	6	6	6
MANUFACTURING	D	GILMER LAKE/RESERVOIR	0	0	0	0	0	0
MINING	D	QUEEN CITY AQUIFER   UPSHUR COUNTY	299	573	608	480	355	263
LIVESTOCK	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	183	183	183	183	183	183
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	975	975	975	975	975	975
IRRIGATION	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	240	240	240	240	240	240
IRRIGATION	D	CYPRESS RUN-OF-RIVER	22	22	22	22	22	22
IRRIGATION	D	SABINE RUN-OF-RIVER	10	10	10	10	10	10
<b>CYPRESS BASIN TOTAL</b>			<b>8,445</b>	<b>8,754</b>	<b>8,806</b>	<b>8,694</b>	<b>8,589</b>	<b>8,519</b>
BIG SANDY	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	296	296	296	296	296	296
EAST MOUNTAIN WATER SYSTEM	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	307	307	307	307	307	307
FOUKE WSC	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	13	13	14	14	15	15
GLADEWATER	D	GLADEWATER LAKE/RESERVOIR	597	592	580	566	549	566
GLENWOOD WSC		NO WATER SUPPLY ASSOCIATED WITH WUG	0	0	0	0	0	0
PRITCHETT WSC	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	577	577	577	577	577	577
UNION GROVE WSC	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	361	362	362	361	362	362
COUNTY-OTHER	D	BIG SANDY CREEK LAKE/RESERVOIR	13	13	13	13	13	13
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	72	77	81	84	88	92
COUNTY-OTHER	D	GLADEWATER LAKE/RESERVOIR	36	36	36	36	36	36
MINING	D	QUEEN CITY AQUIFER   UPSHUR COUNTY	80	153	163	129	95	70
LIVESTOCK	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	60	60	60	60	60	60
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	293	293	293	293	293	293
<b>SABINE BASIN TOTAL</b>			<b>2,705</b>	<b>2,779</b>	<b>2,782</b>	<b>2,736</b>	<b>2,691</b>	<b>2,687</b>
<b>UPSHUR COUNTY TOTAL</b>			<b>11,150</b>	<b>11,533</b>	<b>11,588</b>	<b>11,430</b>	<b>11,280</b>	<b>11,206</b>
BEN WHEELER WSC	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	415	413	413	414	414	414
BETHEL ASH WSC	I	CARRIZO-WILCOX AQUIFER   HENDERSON COUNTY	147	165	175	177	182	182
EDOM WSC	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	119	119	119	118	119	118
LITTLE HOPE MOORE WSC	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	51	50	51	50	51	50
R P M WSC	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	123	125	125	125	125	124
R P M WSC	D	QUEEN CITY AQUIFER   VAN ZANDT COUNTY	116	118	118	118	117	117
VAN	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	514	502	493	481	467	467
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	1,785	1,887	1,964	2,061	2,170	2,170
MINING	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	126	137	147	158	168	179
MINING	D	RHINES LAKE	1,170	1,170	1,170	1,170	1,170	1,170
LIVESTOCK	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	59	59	59	59	59	59
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	1,108	1,108	1,108	1,108	1,108	1,108
IRRIGATION	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	33	33	33	33	33	33
IRRIGATION	D	NECHES RUN-OF-RIVER	166	166	166	166	166	166
IRRIGATION	D	SABINE RUN-OF-RIVER	74	74	74	74	74	74
<b>NECHES BASIN TOTAL</b>			<b>6,006</b>	<b>6,126</b>	<b>6,215</b>	<b>6,312</b>	<b>6,423</b>	<b>6,431</b>
ABLES SPRINGS WSC	D	FORK LAKE/RESERVOIR	0	0	0	0	0	0
ABLES SPRINGS WSC	C	NORTH TEXAS MWD RESERVOIR/SYSTEM	1	1	1	1	1	1
ABLES SPRINGS WSC	D	TAWAKONI LAKE/RESERVOIR	0	0	0	0	0	0
ABLES SPRINGS WSC	C	TRINITY INDIRECT REUSE	0	0	1	1	0	0
CANTON	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	382	382	382	382	339	339
CANTON	D	MILL CREEK LAKE/RESERVOIR	1,187	1,187	1,187	1,187	1,187	1,187
CANTON	D	SABINE RUN-OF-RIVER	37	37	37	37	37	37

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

WUG NAME	SOURCE	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
	REGION		2020	2030	2040	2050	2060	2070
COMBINED CONSUMERS SUD	D	FORK LAKE/RESERVOIR	266	297	321	351	384	411
EDGEWOOD	D	EDGEWOOD CITY LAKE/RESERVOIR	160	160	160	160	160	160
EDGEWOOD	D	FORK LAKE/RESERVOIR	113	781	776	770	764	759
FRUITVALE WSC	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	485	485	485	485	485	485
GOLDEN WSC	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	99	102	105	108	110	112
GRAND SALINE	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	645	645	645	645	611	611
GRAND SALINE	D	SABINE RUN-OF-RIVER	0	0	0	0	0	0
LITTLE HOPE MOORE WSC	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	114	115	114	115	114	115
MACBEE SUD	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	89	78	78	78	78	78
MACBEE SUD	D	TAWAKONI LAKE/RESERVOIR	99	493	496	496	496	480
MYRTLE SPRINGS WSC	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	48	48	48	48	49	48
PINE RIDGE WSC	D	CARRIZO-WILCOX AQUIFER   SMITH COUNTY	11	12	11	12	12	12
PRUITT SANDFLAT WSC	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	328	328	328	328	328	328
SOUTH TAWAKONI WSC	D	FORK LAKE/RESERVOIR	400	1,041	1,033	1,025	1,018	1,010
VAN	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	134	146	155	167	181	181
VAN	D	SABINE RUN-OF-RIVER	350	350	350	350	350	350
WILLS POINT	D	SABINE RUN-OF-RIVER	120	120	120	120	120	120
WILLS POINT	D	TAWAKONI LAKE/RESERVOIR	620	648	648	648	648	648
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	551	557	471	441	517	454
COUNTY-OTHER	D	SABINE RUN-OF-RIVER	170	170	170	170	170	170
MANUFACTURING	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	205	205	205	205	194	194
MANUFACTURING	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	2	2	2	2	2	2
MANUFACTURING	D	SABINE RUN-OF-RIVER	20	20	20	20	20	20
MANUFACTURING	D	TAWAKONI LAKE/RESERVOIR	293	319	343	363	401	422
MINING	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	1,100	1,100	1,100	1,100	1,041	1,041
MINING	D	LOCAL SURFACE WATER SUPPLY	842	1,003	1,162	1,325	1,483	1,642
LIVESTOCK	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	89	89	89	89	84	84
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	1,035	1,035	1,035	1,035	1,035	1,035
<b>SABINE BASIN TOTAL</b>			<b>9,995</b>	<b>11,956</b>	<b>12,078</b>	<b>12,264</b>	<b>12,419</b>	<b>12,536</b>
BETHEL ASH WSC	I	CARRIZO-WILCOX AQUIFER   HENDERSON COUNTY	43	47	49	52	51	51
CANTON	D	MILL CREEK LAKE/RESERVOIR	5	5	5	5	5	5
MABANK	C	TRWD LAKE/RESERVOIR SYSTEM	31	31	32	31	31	31
MACBEE SUD	D	TAWAKONI LAKE/RESERVOIR	287	1,338	1,293	1,245	1,185	1,128
MYRTLE SPRINGS WSC	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	149	149	149	149	148	149
WILLS POINT	D	TAWAKONI LAKE/RESERVOIR	1,381	1,427	1,412	1,396	1,381	1,365
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	1,024	1,080	1,031	1,051	1,181	1,117
COUNTY-OTHER	C	TRWD LAKE/RESERVOIR SYSTEM	185	212	214	215	213	210
MANUFACTURING	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	3	3	3	3	3	3
MINING	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	73	79	85	91	97	103
MINING	D	LOCAL SURFACE WATER SUPPLY	5	4	8	12	15	19
LIVESTOCK	D	CARRIZO-WILCOX AQUIFER   VAN ZANDT COUNTY	38	110	188	297	355	444
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	599	527	449	340	282	193
<b>TRINITY BASIN TOTAL</b>			<b>3,823</b>	<b>5,012</b>	<b>4,918</b>	<b>4,887</b>	<b>4,947</b>	<b>4,818</b>
<b>VAN ZANDT COUNTY TOTAL</b>			<b>19,824</b>	<b>23,094</b>	<b>23,211</b>	<b>23,463</b>	<b>23,789</b>	<b>23,785</b>
CYPRESS SPRINGS SUD	D	CYPRESS SPRINGS LAKE/RESERVOIR	177	173	174	173	170	0
SHARON WSC	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	159	159	159	159	159	159
WINNSBORO	D	CYPRESS SPRINGS LAKE/RESERVOIR	300	300	300	300	300	300



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

WUG NAME	SOURCE	SOURCE DESCRIPTION	EXISTING SUPPLY (ACRE-FEET PER YEAR)					
	REGION		2020	2030	2040	2050	2060	2070
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	795	799	808	801	810	806
MINING	D	QUEEN CITY AQUIFER   WOOD COUNTY	25	25	28	31	32	35
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	449	449	449	449	449	449
IRRIGATION	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	125	125	125	125	125	125
<b>CYPRESS BASIN TOTAL</b>			<b>2,030</b>	<b>2,030</b>	<b>2,043</b>	<b>2,038</b>	<b>2,045</b>	<b>1,874</b>
ALGONQUIN WATER RESOURCES OF TEXAS	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	373	374	373	373	373	373
BRIGHT STAR SALEM SUD	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	343	343	343	343	343	343
CORNERSVILLE WSC	D	CARRIZO-WILCOX AQUIFER   HOPKINS COUNTY	50	48	48	49	49	49
FOUKE WSC	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	945	945	944	944	943	943
GOLDEN WSC	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	376	373	370	367	365	363
HAWKINS	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	1,075	1,075	1,075	1,075	1,075	1,075
JONES WSC	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	818	813	809	804	801	795
LAKE FORK WSC	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	664	664	666	667	667	665
MINEOLA	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	1,347	1,347	1,347	1,347	1,347	1,347
NEW HOPE SUD	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	366	366	366	366	366	366
PRITCHETT WSC	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	3	3	3	3	3	3
PRITCHETT WSC	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	5	5	5	5	5	5
QUITMAN	D	FORK LAKE/RESERVOIR	300	1,012	1,004	997	990	983
RAMEY WSC	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	640	640	640	640	640	640
SHARON WSC	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	471	471	471	471	471	471
SHIRLEY WSC	D	CARRIZO-WILCOX AQUIFER   HOPKINS COUNTY	18	17	18	18	18	18
SHIRLEY WSC	D	CARRIZO-WILCOX AQUIFER   RAINS COUNTY	8	8	8	8	8	8
WINNSBORO	D	CYPRESS SPRINGS LAKE/RESERVOIR	500	500	500	500	500	500
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   UPSHUR COUNTY	2	2	2	2	2	2
COUNTY-OTHER	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	3,616	3,658	3,652	3,658	3,649	3,653
MANUFACTURING	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	1,502	1,502	1,502	1,502	1,502	1,502
MINING	D	QUEEN CITY AQUIFER   WOOD COUNTY	284	288	289	290	292	293
LIVESTOCK	D	LOCAL SURFACE WATER SUPPLY	1,613	1,613	1,613	1,613	1,613	1,613
LIVESTOCK	D	SABINE RUN-OF-RIVER	30	30	30	30	30	30
IRRIGATION	D	CARRIZO-WILCOX AQUIFER   WOOD COUNTY	22	22	22	22	22	22
IRRIGATION	D	QUEEN CITY AQUIFER   WOOD COUNTY	226	226	226	226	226	226
IRRIGATION	D	SABINE RUN-OF-RIVER	567	567	567	567	567	567
<b>SABINE BASIN TOTAL</b>			<b>16,164</b>	<b>16,912</b>	<b>16,893</b>	<b>16,887</b>	<b>16,867</b>	<b>16,855</b>
<b>WOOD COUNTY TOTAL</b>			<b>18,194</b>	<b>18,942</b>	<b>18,936</b>	<b>18,925</b>	<b>18,912</b>	<b>18,729</b>
<b>REGION D TOTAL EXISTING WATER SUPPLY</b>			<b>652,876</b>	<b>656,660</b>	<b>653,403</b>	<b>657,677</b>	<b>669,290</b>	<b>661,557</b>

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

	(NEEDS)/SURPLUS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
<b>BOWIE COUNTY - RED BASIN</b>						
BURNS REDBANK WSC	(201)	(199)	(196)	(194)	(193)	(193)
CENTRAL BOWIE COUNTY WSC	(88)	(91)	(101)	(112)	(124)	(137)
DE KALB	(45)	(44)	(44)	(44)	(45)	(45)
HOOKS	(281)	(278)	(276)	(271)	(269)	(269)
NEW BOSTON	(409)	(411)	(407)	(406)	(405)	(405)
RIVERBEND WATER RESOURCES DISTRICT	(90)	(92)	(92)	(92)	(92)	(92)
TEXARKANA	(843)	(859)	(880)	(909)	(947)	(989)
COUNTY-OTHER	538	668	861	843	833	833
MANUFACTURING	3	2	2	2	2	2
LIVESTOCK	(252)	(252)	(229)	(196)	(168)	(156)
IRRIGATION	922	922	922	922	922	922
<b>BOWIE COUNTY - SULPHUR BASIN</b>						
CENTRAL BOWIE COUNTY WSC	(531)	(548)	(607)	(672)	(745)	(825)
DE KALB	(250)	(248)	(245)	(247)	(249)	(253)
MACEDONIA EYLAU MUD 1	(588)	(598)	(601)	(601)	(601)	(601)
MAUD	(211)	(226)	(241)	(238)	(237)	(237)
NASH	(392)	(458)	(523)	(589)	(589)	(589)
NEW BOSTON	(981)	(988)	(978)	(975)	(974)	(974)
REDWATER	(440)	(487)	(535)	(588)	(616)	(616)
RIVERBEND WATER RESOURCES DISTRICT	(433)	(444)	(447)	(445)	(445)	(445)
TEXARKANA	(6,302)	(6,423)	(6,579)	(6,797)	(7,081)	(7,391)
WAKE VILLAGE	(699)	(750)	(802)	(861)	(932)	(931)
COUNTY-OTHER	1,379	1,616	1,966	1,924	1,902	1,902
MANUFACTURING	(1,579)	(2,014)	(2,014)	(2,014)	(2,014)	(2,014)
LIVESTOCK	(417)	(417)	(378)	(325)	(278)	(260)
IRRIGATION	(4,134)	(4,134)	(4,134)	(4,134)	(4,134)	(4,134)
<b>CAMP COUNTY - CYPRESS BASIN</b>						
BI COUNTY WSC	489	386	307	204	102	1
PITTSBURG	945	926	913	886	855	822
COUNTY-OTHER	259	283	301	321	339	358
MANUFACTURING	12	(3)	(1)	1	4	6
MINING	11	12	13	14	15	16
LIVESTOCK	(3,962)	(3,962)	(3,962)	(3,962)	(3,962)	(3,962)
<b>CASS COUNTY - CYPRESS BASIN</b>						
ATLANTA	0	0	0	0	0	0
E M C WSC	10	10	10	10	10	10
EASTERN CASS WSC	429	434	439	442	443	443
HOLLY SPRINGS WSC	(47)	(43)	(39)	(38)	(38)	(38)
HUGHES SPRINGS	284	295	305	307	308	308
LINDEN	143	152	159	160	161	161
MIMS WSC	114	114	114	114	114	114
QUEEN CITY	8	12	17	17	17	17
WESTERN CASS WSC	723	730	736	738	739	739
COUNTY-OTHER	751	859	965	1,047	1,050	1,081

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

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

MANUFACTURING	651	651	651	651	651	651
MINING	800	804	824	859	896	932
LIVESTOCK	(865)	(865)	(865)	(865)	(865)	(865)
<b>CASS COUNTY - SULPHUR BASIN</b>						
ATLANTA	0	0	0	0	0	0
EASTERN CASS WSC	26	27	27	27	27	27
QUEEN CITY	3	6	8	9	9	9
WESTERN CASS WSC	142	144	146	146	146	146
COUNTY-OTHER	928	993	1,057	1,114	1,115	1,146
MANUFACTURING	86,677	86,600	86,598	86,597	86,597	86,596
LIVESTOCK	(953)	(953)	(953)	(951)	(951)	(951)
<b>DELTA COUNTY - SULPHUR BASIN</b>						
COOPER	597	603	612	678	679	679
DELTA COUNTY MUD	0	0	0	0	0	0
NORTH HUNT SUD	(6)	(9)	(11)	(13)	(15)	(15)
COUNTY-OTHER	583	575	579	581	581	509
LIVESTOCK	(262)	(250)	(250)	(250)	(250)	(250)
IRRIGATION	7,670	7,683	7,693	7,698	8,366	8,378
<b>FRANKLIN COUNTY - CYPRESS BASIN</b>						
CYPRESS SPRINGS SUD	1,372	1,377	1,377	1,377	1,370	(325)
WINNSBORO	832	829	829	826	824	822
COUNTY-OTHER	4	7	11	9	8	7
MANUFACTURING	2	0	0	0	0	0
LIVESTOCK	(714)	(714)	(714)	(714)	(714)	(714)
IRRIGATION	65	65	65	65	65	65
<b>FRANKLIN COUNTY - SABINE BASIN</b>						
IRRIGATION	67	67	67	67	67	67
<b>FRANKLIN COUNTY - SULPHUR BASIN</b>						
CYPRESS SPRINGS SUD	847	850	850	847	842	(254)
MOUNT VERNON	726	703	698	689	680	671
COUNTY-OTHER	95	92	101	101	100	99
MINING	1,035	1,011	990	970	951	952
LIVESTOCK	(1,090)	(1,090)	(1,090)	(1,090)	(1,090)	(1,090)
IRRIGATION	65	65	65	65	65	65
<b>GREGG COUNTY - CYPRESS BASIN</b>						
GLENWOOD WSC	5	4	4	3	2	1
TRYON ROAD SUD	445	404	352	283	188	78
COUNTY-OTHER	202	212	223	236	256	269
MINING	0	0	0	0	0	0
LIVESTOCK	0	0	0	0	0	0
<b>GREGG COUNTY - SABINE BASIN</b>						
CLARKSVILLE CITY	145	140	133	124	112	98
CROSS ROADS SUD	51	49	45	42	40	37
ELDERVILLE WSC	445	412	376	337	294	248
GLADEWATER	251	209	161	100	24	0
KILGORE	501	1,371	1,163	912	618	287
LIBERTY CITY WSC	377	354	321	275	216	148

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

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

LONGVIEW	8,269	6,446	4,249	1,605	3,485	(75)
STARRVILLE-FRIENDSHIP WSC	26	21	15	8	(1)	(11)
TRYON ROAD SUD	844	841	837	832	825	818
WEST GREGG SUD	189	175	155	128	91	36
WHITE OAK	1,155	1,061	944	799	626	426
COUNTY-OTHER	491	533	571	613	691	513
MANUFACTURING	5,613	5,331	5,331	5,331	5,331	5,331
MINING	(14)	(22)	(22)	(17)	(13)	(9)
STEAM ELECTRIC POWER	1,302	1,302	1,302	1,302	1,302	1,302
LIVESTOCK	5	5	5	5	5	5
IRRIGATION	139	139	139	139	139	139
<b>HARRISON COUNTY - CYPRESS BASIN</b>						
BLOCKER CROSSROADS WSC	8	7	7	6	5	3
DIANA SUD	74	73	72	70	67	63
GUM SPRINGS WSC	50	46	39	23	3	(23)
HARLETON WSC	(98)	(107)	(120)	(147)	(182)	(225)
LEIGH WSC	20	2	(17)	(49)	(86)	(130)
MARSHALL	279	237	190	109	14	(100)
NORTH HARRISON WSC	20	16	11	0	(15)	(32)
PANOLA-BETHANY WSC	1	(3)	(9)	(19)	(25)	(31)
SCOTTSVILLE	(10)	(14)	(19)	(27)	(36)	(46)
TALLEY WSC	58	58	56	51	44	37
TRYON ROAD SUD	2	(4)	(10)	(20)	(23)	(25)
WASKOM	(96)	(114)	(136)	(173)	(220)	(275)
WEST HARRISON WSC	56	56	55	51	48	45
COUNTY-OTHER	1,544	1,580	1,601	1,600	1,592	1,541
MANUFACTURING	943	941	941	941	941	941
MINING	(272)	(175)	(96)	(18)	57	116
LIVESTOCK	177	212	248	287	305	310
IRRIGATION	(384)	(384)	(384)	(384)	(384)	(384)
<b>HARRISON COUNTY - SABINE BASIN</b>						
BLOCKER CROSSROADS WSC	71	69	65	56	44	30
GILL WSC	130	126	119	102	83	59
GUM SPRINGS WSC	489	476	457	415	359	291
HALLSVILLE	269	245	217	169	111	41
LEIGH WSC	4	0	(4)	(11)	(19)	(29)
LONGVIEW	5,333	5,302	5,268	5,214	153	80
MARSHALL	1,304	1,108	888	509	63	(471)
PANOLA-BETHANY WSC	9	(26)	(83)	(168)	(227)	(280)
SCOTTSVILLE	(21)	(30)	(39)	(55)	(73)	(95)
TALLEY WSC	42	42	41	37	34	29
WEST HARRISON WSC	176	173	169	163	153	141
COUNTY-OTHER	1,218	1,281	1,327	1,364	1,414	1,426
MANUFACTURING	(795)	(3,997)	(3,997)	(3,997)	(3,997)	(3,997)
MINING	(1,361)	(1,019)	(743)	(475)	(211)	(18)
STEAM ELECTRIC POWER	3,049	3,049	3,049	3,049	3,049	3,049
LIVESTOCK	151	158	167	175	183	188

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

IRRIGATION	(105)	(105)	(105)	(105)	(105)	(105)
<b>HOPKINS COUNTY - CYPRESS BASIN</b>						
CORNERVILLE WSC	48	46	44	40	38	34
CYPRESS SPRINGS SUD	109	106	104	99	98	(29)
COUNTY-OTHER	176	177	176	176	176	176
MINING	(7)	(8)	(12)	(13)	(15)	(19)
LIVESTOCK	25	25	25	25	25	25
IRRIGATION	0	0	0	0	0	0
<b>HOPKINS COUNTY - SABINE BASIN</b>						
BRASHEAR WSC	(1)	0	0	(1)	0	(1)
CASH SUD	(2)	(3)	(5)	(6)	(9)	(10)
CORNERVILLE WSC	46	43	41	39	35	32
CUMBY	(13)	(27)	(41)	(54)	(71)	(81)
JONES WSC	15	18	20	23	24	27
LAKE FORK WSC	33	33	32	31	31	32
MARTIN SPRINGS WSC	204	158	113	75	22	(27)
MILLER GROVE WSC	(7)	(14)	(20)	(25)	(34)	(44)
SHADY GROVE NO 2 WSC	0	0	0	0	0	0
SHIRLEY WSC	110	103	96	92	81	75
SULPHUR SPRINGS	6	5	5	5	4	4
COUNTY-OTHER	685	716	736	708	698	676
MINING	(71)	(89)	(112)	(138)	(166)	(198)
LIVESTOCK	(33)	(33)	(33)	(33)	(33)	(33)
IRRIGATION	2	2	2	2	2	2
<b>HOPKINS COUNTY - SULPHUR BASIN</b>						
BRASHEAR WSC	1	0	0	1	0	1
BRINKER WSC	76	47	21	(12)	(47)	(83)
CUMBY	0	(2)	(3)	(4)	(6)	(7)
CYPRESS SPRINGS SUD	219	213	207	202	199	(58)
GAFFORD CHAPEL WSC	52	52	52	52	52	52
MARTIN SPRINGS WSC	40	31	24	15	5	(2)
NORTH HOPKINS WSC	447	427	407	367	323	276
SHADY GROVE NO 2 WSC	0	0	0	0	0	0
SULPHUR SPRINGS	1,998	1,918	1,839	1,724	1,581	1,431
COUNTY-OTHER	615	615	627	598	580	558
MANUFACTURING	797	862	947	1,019	1,158	1,307
MINING	(149)	(186)	(236)	(293)	(352)	(422)
LIVESTOCK	(636)	(636)	(636)	(636)	(635)	(634)
IRRIGATION	(4,621)	(4,621)	(4,621)	(4,616)	(4,616)	(4,616)
<b>HUNT COUNTY - SABINE BASIN</b>						
ABLES SPRINGS WSC	1	(16)	(32)	(57)	(95)	(151)
B H P WSC	(45)	(77)	(127)	(193)	(293)	(429)
BLACKLAND WSC	0	(2)	(2)	(3)	(3)	(4)
CADDO BASIN SUD	(338)	(556)	(763)	(1,054)	(1,503)	(2,191)
CADDO MILLS	26	(1)	(36)	(68)	(108)	(254)
CASH SUD	460	3,228	2,830	2,300	1,424	448
CELESTE	(29)	(52)	(86)	(136)	(209)	(316)

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

COMBINED CONSUMERS SUD	1,738	1,651	1,522	1,329	1,043	625
GREENVILLE	(502)	1,212	(532)	(3,024)	(6,811)	(12,301)
HICKORY CREEK SUD	(52)	(134)	(248)	(413)	(649)	(997)
JOSEPHINE	0	(12)	(27)	(49)	(57)	(63)
MACBEE SUD	0	94	102	113	131	153
POETRY WSC	(2)	(58)	(101)	(157)	(242)	(360)
QUINLAN	191	232	280	240	191	139
ROYSE CITY	0	(9)	(16)	(24)	(39)	(57)
SHADY GROVE WSC	0	0	0	0	0	0
WEST TAWAKONI	(90)	755	696	611	490	317
COUNTY-OTHER	1,447	1,082	622	1,214	225	(1,584)
MANUFACTURING	644	726	907	1,080	1,199	1,385
MINING	(41)	(35)	(16)	(5)	0	3
STEAM ELECTRIC POWER	(22)	(22)	(22)	(22)	(22)	(22)
LIVESTOCK	41	41	41	41	41	41
IRRIGATION	(151)	(151)	(151)	(151)	(151)	(151)
<b>HUNT COUNTY - SULPHUR BASIN</b>						
CASH SUD	(5)	(9)	(15)	(22)	(32)	(45)
COMMERCE	(50)	(49)	(50)	(49)	(49)	(49)
DELTA COUNTY MUD	0	0	0	0	0	0
HICKORY CREEK SUD	(36)	(91)	(172)	(285)	(451)	(692)
NORTH HUNT SUD	(72)	(139)	(232)	(363)	(553)	(831)
TEXAS A&M UNIVERSITY COMMERCE	0	4	6	7	8	8
WOLFE CITY	40	10	(34)	(102)	(200)	(343)
COUNTY-OTHER	(13)	(40)	(75)	(42)	(115)	(243)
MANUFACTURING	187	219	288	353	398	468
MINING	(30)	(27)	(18)	(13)	(7)	0
LIVESTOCK	12	12	12	12	12	12
IRRIGATION	(79)	(79)	(79)	(79)	(79)	(79)
<b>HUNT COUNTY - TRINITY BASIN</b>						
FROGNOT WSC	3	3	2	1	1	0
HICKORY CREEK SUD	(17)	(45)	(85)	(142)	(223)	(341)
WEST LEONARD WSC	(7)	(7)	(9)	(11)	(16)	(21)
COUNTY-OTHER	17	5	(14)	1	(52)	(99)
MINING	(2)	(2)	(1)	(1)	0	0
LIVESTOCK	(2)	(2)	(2)	(2)	(1)	(1)
IRRIGATION	0	0	0	0	0	0
<b>LAMAR COUNTY - RED BASIN</b>						
LAMAR COUNTY WSD	3,778	3,706	3,647	3,592	3,533	3,458
PARIS	9,979	9,868	9,762	9,660	9,458	9,344
RENO (Lamar)	43	55	64	74	84	93
COUNTY-OTHER	(120)	(121)	(124)	(127)	(129)	(131)
MANUFACTURING	561	596	637	672	738	773
STEAM ELECTRIC POWER	263	263	263	263	263	263
LIVESTOCK	(617)	(617)	(617)	(617)	(617)	(617)
IRRIGATION	(1,140)	(1,140)	(1,140)	(1,140)	(1,140)	(1,140)

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

<b>LAMAR COUNTY - SULPHUR BASIN</b>						
BLOSSOM	80	96	114	114	112	110
LAMAR COUNTY WSD	2,897	2,852	2,816	2,783	2,748	2,705
PARIS	14,858	14,691	14,535	14,381	14,077	13,905
RENO (Lamar)	37	88	128	170	210	254
COUNTY-OTHER	(84)	(83)	(88)	(97)	(105)	(113)
MANUFACTURING	374	519	759	966	1,362	1,565
STEAM ELECTRIC POWER	3,187	3,187	3,187	3,187	3,187	3,187
LIVESTOCK	772	772	772	772	772	772
IRRIGATION	(328)	(328)	(328)	(328)	(328)	(328)
<b>MARION COUNTY - CYPRESS BASIN</b>						
DIANA SUD	23	24	25	26	26	26
E M C WSC	81	81	81	81	81	81
HARLETON WSC	(32)	(35)	(39)	(48)	(59)	(73)
JEFFERSON	1,231	1,242	1,251	1,256	1,257	1,257
KELLYVILLE-BEREA WSC	41	47	52	54	54	54
MIMS WSC	654	654	654	654	654	654
COUNTY-OTHER	1,667	1,672	1,678	1,686	1,695	1,705
MINING	(373)	(645)	(590)	(471)	(352)	(265)
STEAM ELECTRIC POWER	(2,405)	(2,092)	(1,710)	(1,245)	(677)	(290)
LIVESTOCK	223	223	223	223	223	223
IRRIGATION	0	0	0	0	0	0
<b>MORRIS COUNTY - CYPRESS BASIN</b>						
BI COUNTY WSC	11	13	14	12	9	7
DAINGERFIELD	1,117	1,122	1,123	1,114	1,105	1,094
HOLLY SPRINGS WSC	(26)	(24)	(21)	(20)	(20)	(20)
HUGHES SPRINGS	1	1	1	1	1	1
LONE STAR	558	563	566	563	560	556
NAPLES	38	47	49	47	46	45
OMAHA	38	40	40	38	35	32
TRI SUD	(181)	(177)	(176)	(179)	(183)	(186)
COUNTY-OTHER	100	105	107	99	93	86
MANUFACTURING	96,168	90,737	85,421	86,677	95,551	89,325
STEAM ELECTRIC POWER	770	770	770	770	770	770
LIVESTOCK	(510)	(510)	(510)	(510)	(510)	(510)
IRRIGATION	0	0	0	0	0	0
<b>MORRIS COUNTY - SULPHUR BASIN</b>						
NAPLES	32	26	27	26	24	22
OMAHA	39	39	39	38	36	34
COUNTY-OTHER	88	90	91	88	85	83
LIVESTOCK	(469)	(469)	(469)	(469)	(469)	(469)
IRRIGATION	0	0	0	0	0	0
<b>RAINS COUNTY - SABINE BASIN</b>						
BRIGHT STAR SALEM SUD	141	982	989	989	989	988
CASH SUD	(13)	(25)	(32)	(37)	(48)	(55)
EAST TAWAKONI	536	527	526	526	525	525
EMORY	(293)	(2)	(18)	(31)	(41)	(51)

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

GOLDEN WSC	5	5	5	5	5	5
MILLER GROVE WSC	(1)	(2)	(3)	(4)	(6)	(8)
POINT	(144)	(124)	(128)	(132)	(137)	(140)
SHIRLEY WSC	51	48	45	43	38	35
SOUTH RAINS SUD	90	90	90	90	90	90
COUNTY-OTHER	319	337	346	345	345	348
MANUFACTURING	(7)	(7)	(7)	(7)	(7)	(7)
LIVESTOCK	78	78	78	78	78	78
IRRIGATION	146	146	146	146	146	146
<b>RED RIVER COUNTY - RED BASIN</b>						
410 WSC	0	0	0	0	0	0
RED RIVER COUNTY WSC	96	98	97	95	94	89
COUNTY-OTHER	74	96	115	121	125	138
LIVESTOCK	(184)	(184)	(184)	(184)	(184)	(184)
IRRIGATION	810	810	810	810	810	810
<b>RED RIVER COUNTY - SULPHUR BASIN</b>						
410 WSC	0	0	0	0	0	0
BOGATA	387	394	397	398	398	398
CLARKSVILLE	(237)	(231)	(222)	(221)	(219)	(219)
RED RIVER COUNTY WSC	77	89	87	81	77	65
COUNTY-OTHER	99	124	146	155	160	178
MANUFACTURING	5	5	(2)	(2)	(2)	(2)
MINING	0	0	0	0	0	0
LIVESTOCK	179	179	179	179	179	179
IRRIGATION	(2,145)	(2,145)	(2,145)	(2,145)	(2,118)	(2,118)
<b>SMITH COUNTY - SABINE BASIN</b>						
CARROLL WSC	(37)	(40)	(43)	(47)	(52)	(57)
CRYSTAL SYSTEMS TEXAS	(358)	(571)	(816)	(1,097)	(1,430)	(1,757)
JACKSON WSC	(8)	(9)	(9)	(11)	(13)	(14)
LIBERTY CITY WSC	4	3	2	0	(3)	(6)
LINDALE	(28)	(192)	(382)	(534)	(791)	(1,097)
LINDALE RURAL WSC	527	483	391	287	122	(28)
OVERTON	(15)	(17)	(19)	(22)	(25)	(29)
PINE RIDGE WSC	123	111	100	83	65	45
SAND FLAT WSC	303	291	265	236	205	172
SMITH COUNTY MUD 1	246	126	(13)	(178)	(375)	(609)
SOUTHERN UTILITIES	81	120	145	77	86	98
STAR MOUNTAIN WSC	(20)	(39)	(61)	(87)	(116)	(148)
STARRVILLE-FRIENDSHIP WSC	63	52	37	19	(2)	(26)
TYLER	7	8	7	9	10	12
WEST GREGG SUD	51	44	36	24	10	5
WINONA	36	20	3	(20)	(48)	(81)
COUNTY-OTHER	2,368	2,501	2,635	2,852	3,161	3,284
MANUFACTURING	(4)	(5)	(5)	(5)	(5)	(5)
MINING	33	51	37	15	(8)	(45)
LIVESTOCK	(46)	(46)	(46)	(46)	(46)	(46)
IRRIGATION	46	65	84	104	126	151

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

<b>TITUS COUNTY - CYPRESS BASIN</b>						
BI COUNTY WSC	42	39	35	31	26	21
CYPRESS SPRINGS SUD	34	34	41	45	47	(15)
MOUNT PLEASANT	2,344	(985)	(1,668)	(2,423)	(3,241)	(4,084)
TRI SUD	(1,013)	(1,102)	(1,203)	(1,325)	(1,465)	(1,616)
COUNTY-OTHER	323	241	237	230	168	117
MANUFACTURING	1,329	(1,418)	(1,295)	(1,305)	(1,564)	(1,694)
MINING	2,680	2,785	2,885	2,976	2,610	1,984
STEAM ELECTRIC POWER	(30,066)	(30,766)	(31,466)	(32,266)	(32,414)	(32,783)
LIVESTOCK	(923)	(923)	(923)	(923)	(928)	(928)
IRRIGATION	46	46	46	46	46	46
<b>TITUS COUNTY - SULPHUR BASIN</b>						
CYPRESS SPRINGS SUD	52	58	63	68	74	(25)
TRI SUD	(526)	(573)	(625)	(689)	(762)	(841)
COUNTY-OTHER	776	185	170	152	131	85
MINING	229	240	253	264	275	283
LIVESTOCK	(1,016)	(1,016)	(1,016)	(1,016)	(1,056)	(1,077)
IRRIGATION	360	360	360	360	363	363
<b>UPSHUR COUNTY - CYPRESS BASIN</b>						
BI COUNTY WSC	112	97	82	62	42	21
DIANA SUD	829	816	804	785	763	740
EAST MOUNTAIN WATER SYSTEM	(14)	(17)	(19)	(22)	(26)	(30)
GILMER	(29)	(90)	(143)	(207)	(274)	(338)
GLENWOOD WSC	71	62	54	40	24	10
ORE CITY	1,563	1,558	1,552	1,545	1,536	1,528
PRITCHETT WSC	242	237	233	224	214	203
SHARON WSC	216	214	213	205	197	189
UNION GROVE WSC	9	8	8	8	7	7
COUNTY-OTHER	325	334	330	314	300	287
MANUFACTURING	(63)	(70)	(70)	(70)	(70)	(70)
MINING	0	0	0	0	0	0
LIVESTOCK	(64)	(64)	(64)	(64)	(64)	(64)
IRRIGATION	102	102	102	102	102	102
<b>UPSHUR COUNTY - SABINE BASIN</b>						
BIG SANDY	72	62	52	41	27	15
EAST MOUNTAIN WATER SYSTEM	134	127	120	111	101	92
FOUKE WSC	3	3	3	3	3	3
GLADEWATER	153	126	94	56	12	4
GLENWOOD WSC	(7)	(7)	(8)	(8)	(8)	(9)
PRITCHETT WSC	99	87	75	56	30	5
UNION GROVE WSC	210	207	197	186	178	169
COUNTY-OTHER	6	7	7	4	1	(1)
MINING	0	0	0	0	0	0
LIVESTOCK	(76)	(76)	(76)	(76)	(76)	(76)
<b>VAN ZANDT COUNTY - NECHES BASIN</b>						
BEN WHEELER WSC	201	190	183	174	164	154
BETHEL ASH WSC	75	75	70	58	50	39

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

EDOM WSC	(11)	(18)	(23)	(32)	(42)	(55)
LITTLE HOPE MOORE WSC	6	3	2	(1)	(3)	(5)
R P M WSC	14	(25)	(58)	(93)	(124)	(152)
VAN	277	247	224	195	166	152
COUNTY-OTHER	1,283	1,360	1,418	1,493	1,584	1,570
MINING	1,215	1,221	1,220	1,221	1,222	1,222
LIVESTOCK	152	152	152	152	152	152
IRRIGATION	(227)	(227)	(227)	(227)	(227)	(227)
<b>VAN ZANDT COUNTY - SABINE BASIN</b>						
ABLES SPRINGS WSC	(1)	(1)	(1)	(1)	(2)	(2)
CANTON	645	574	522	463	367	321
COMBINED CONSUMERS SUD	174	202	223	249	277	300
EDGEWOOD	1	656	641	623	606	590
FRUITVALE WSC	180	167	156	142	126	112
GOLDEN WSC	44	46	48	50	49	49
GRAND SALINE	258	257	258	253	211	203
LITTLE HOPE MOORE WSC	12	7	3	(2)	(8)	(12)
MACBEE SUD	7	373	362	349	338	313
MYRTLE SPRINGS WSC	19	18	17	15	14	12
PINE RIDGE WSC	5	5	4	4	3	2
PRUITT SANDFLAT WSC	172	164	157	149	141	133
SOUTH TAWAKONI WSC	(38)	569	535	495	456	420
VAN	352	354	355	359	364	357
WILLS POINT	440	472	476	478	477	475
COUNTY-OTHER	264	247	143	94	153	78
MANUFACTURING	17	(207)	(183)	(163)	(136)	(115)
MINING	1,801	1,953	2,094	2,239	2,322	2,462
LIVESTOCK	463	463	463	463	458	458
<b>VAN ZANDT COUNTY - TRINITY BASIN</b>						
BETHEL ASH WSC	23	21	20	18	14	11
CANTON	1	1	0	0	0	0
MABANK	(17)	(22)	(26)	(44)	(73)	(114)
MACBEE SUD	(7)	1,015	948	878	800	727
MYRTLE SPRINGS WSC	60	56	53	47	41	37
WILLS POINT	928	982	973	959	942	924
COUNTY-OTHER	747	806	742	743	854	775
MANUFACTURING	0	(1)	(1)	(1)	(1)	(1)
MINING	0	0	0	0	0	0
LIVESTOCK	424	424	424	424	424	424
<b>WOOD COUNTY - CYPRESS BASIN</b>						
CYPRESS SPRINGS SUD	137	134	135	134	131	(40)
SHARON WSC	58	61	65	63	62	61
WINNSBORO	88	85	86	83	80	79
COUNTY-OTHER	720	725	738	734	747	748
MINING	23	23	26	29	30	33
LIVESTOCK	(34)	(34)	(34)	(34)	(34)	(34)
IRRIGATION	89	89	89	89	89	89

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

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

<b>WOOD COUNTY - SABINE BASIN</b>						
ALGONQUIN WATER RESOURCES OF TEXAS	266	255	242	229	214	199
BRIGHT STAR SALEM SUD	192	195	201	198	197	196
CORNERSVILLE WSC	25	22	21	20	19	17
FOUKE WSC	228	222	226	219	212	206
GOLDEN WSC	167	167	170	167	163	160
HAWKINS	713	705	705	698	694	691
JONES WSC	425	425	431	426	420	411
LAKE FORK WSC	446	446	452	451	448	443
MINEOLA	500	490	497	487	479	472
NEW HOPE SUD	37	34	37	33	30	27
PRITCHETT WSC	1	1	1	1	1	1
QUITMAN	(16)	693	687	676	666	657
RAMEY WSC	362	367	375	371	368	366
SHARON WSC	265	269	277	273	272	271
SHIRLEY WSC	9	8	8	8	7	6
WINNSBORO	164	158	159	154	151	148
COUNTY-OTHER	3,405	3,450	3,453	3,467	3,471	3,491
MANUFACTURING	(1,030)	(1,583)	(1,583)	(1,583)	(1,583)	(1,583)
MINING	261	265	268	271	274	276
LIVESTOCK	(1,098)	(1,098)	(1,098)	(1,098)	(1,098)	(1,098)
IRRIGATION	362	362	362	362	362	362

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

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

<b>MUNICIPAL</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>	<b>2070</b>
POPULATION	736,652	806,858	882,597	973,210	1,079,438	1,210,903
DEMAND (acre-feet per year)	118,659	126,460	135,899	148,746	164,956	185,303
EXISTING SUPPLIES (acre-feet per year)	188,430	198,517	198,706	199,243	199,290	196,729
NEEDS (acre-feet per year)	17,402	19,125	22,433	28,530	36,800	49,201

<b>COUNTY-OTHER</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>	<b>2070</b>
POPULATION	94,817	100,673	106,262	115,987	132,541	159,535
DEMAND (acre-feet per year)	10,649	10,982	11,435	12,483	14,394	17,557
EXISTING SUPPLIES (acre-feet per year)	33,928	34,312	35,214	37,244	38,626	39,453
NEEDS (acre-feet per year)	217	244	301	266	401	2,171

<b>MANUFACTURING</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>	<b>2070</b>
DEMAND (acre-feet per year)	99,795	104,975	104,975	104,975	104,975	104,975
EXISTING SUPPLIES (acre-feet per year)	290,300	282,859	278,299	280,118	289,528	283,837
NEEDS (acre-feet per year)	3,478	9,305	9,158	9,147	9,379	9,488

<b>MINING</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>	<b>2070</b>
DEMAND (acre-feet per year)	7,115	7,748	7,670	7,280	6,914	6,795
EXISTING SUPPLIES (acre-feet per year)	12,883	13,905	14,434	14,694	14,442	14,098
NEEDS (acre-feet per year)	2,320	2,208	1,846	1,444	1,124	976

<b>STEAM ELECTRIC POWER</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>	<b>2070</b>
DEMAND (acre-feet per year)	94,174	94,174	94,174	94,174	94,174	94,174
EXISTING SUPPLIES (acre-feet per year)	70,252	69,865	69,547	69,212	69,632	69,650
NEEDS (acre-feet per year)	32,493	32,880	33,198	33,533	33,113	33,095

<b>LIVESTOCK</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>	<b>2070</b>
DEMAND (acre-feet per year)	35,673	35,706	35,571	35,369	35,202	35,163
EXISTING SUPPLIES (acre-feet per year)	24,152	24,239	24,211	24,144	24,030	24,011
NEEDS (acre-feet per year)	14,223	14,211	14,149	14,061	14,029	14,019

<b>IRRIGATION</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>	<b>2070</b>
DEMAND (acre-feet per year)	35,354	35,354	35,354	35,354	35,354	35,354
EXISTING SUPPLIES (acre-feet per year)	32,931	32,963	32,992	33,022	33,742	33,779
NEEDS (acre-feet per year)	13,314	13,314	13,314	13,309	13,282	13,282

\*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.

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

GROUNDWATER SOURCE TYPE				SOURCE WATER BALANCE (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY*	2020	2030	2040	2050	2060	2070
BLOSSOM AQUIFER	BOWIE	RED	FRESH	21	21	21	21	21	21
BLOSSOM AQUIFER	BOWIE	SULPHUR	FRESH	180	180	180	180	180	180
BLOSSOM AQUIFER	LAMAR	RED	FRESH	323	323	323	323	323	323
BLOSSOM AQUIFER	LAMAR	SULPHUR	FRESH	71	71	71	71	71	71
BLOSSOM AQUIFER	RED RIVER	RED	FRESH	955	955	956	956	956	956
BLOSSOM AQUIFER	RED RIVER	SULPHUR	FRESH	0	0	0	0	0	0
CARRIZO-WILCOX AQUIFER	BOWIE	SULPHUR	FRESH	6,710	6,350	6,090	6,242	6,093	6,135
CARRIZO-WILCOX AQUIFER	CAMP	CYPRESS	FRESH	1,888	1,876	1,867	1,859	1,851	1,842
CARRIZO-WILCOX AQUIFER	CASS	CYPRESS	FRESH	11,738	11,670	11,629	11,587	11,574	11,531
CARRIZO-WILCOX AQUIFER	CASS	SULPHUR	FRESH	2,459	2,390	2,329	2,267	2,196	2,133
CARRIZO-WILCOX AQUIFER	FRANKLIN	CYPRESS	FRESH	6,875	6,884	6,893	6,904	6,916	6,916
CARRIZO-WILCOX AQUIFER	FRANKLIN	SULPHUR	FRESH	1,253	1,251	1,249	1,258	1,266	1,266
CARRIZO-WILCOX AQUIFER	GREGG	CYPRESS	FRESH	475	464	451	434	410	393
CARRIZO-WILCOX AQUIFER	GREGG	SABINE	FRESH	1,705	1,487	1,413	1,395	1,330	1,382
CARRIZO-WILCOX AQUIFER	HARRISON	CYPRESS	FRESH	1,105	896	751	598	421	266
CARRIZO-WILCOX AQUIFER	HARRISON	SABINE	FRESH	2,304	2,234	2,172	2,091	2,008	1,937
CARRIZO-WILCOX AQUIFER	HOPKINS	CYPRESS	FRESH	271	271	272	272	272	272
CARRIZO-WILCOX AQUIFER	HOPKINS	SABINE	FRESH	978	977	976	978	981	981
CARRIZO-WILCOX AQUIFER	HOPKINS	SULPHUR	FRESH	2,048	2,048	2,048	2,048	2,048	2,048
CARRIZO-WILCOX AQUIFER	MARION	CYPRESS	FRESH	402	399	396	394	392	390
CARRIZO-WILCOX AQUIFER	MORRIS	CYPRESS	FRESH	1,143	1,135	1,135	1,135	1,135	1,135
CARRIZO-WILCOX AQUIFER	MORRIS	SULPHUR	FRESH	5	18	18	18	18	18
CARRIZO-WILCOX AQUIFER	RAINS	SABINE	FRESH	937	924	921	886	889	832
CARRIZO-WILCOX AQUIFER	RED RIVER	SULPHUR	FRESH	0	0	0	0	0	0
CARRIZO-WILCOX AQUIFER	SMITH	SABINE	FRESH	2,325	1,790	1,279	734	788	812
CARRIZO-WILCOX AQUIFER	TITUS	CYPRESS	FRESH	1,587	878	239	0	0	0
CARRIZO-WILCOX AQUIFER	TITUS	SULPHUR	FRESH	1,664	1,605	1,560	1,514	1,467	1,445
CARRIZO-WILCOX AQUIFER	UPSHUR	CYPRESS	FRESH	83	24	1	1	1	1
CARRIZO-WILCOX AQUIFER	UPSHUR	SABINE	FRESH	0	0	0	0	0	0
CARRIZO-WILCOX AQUIFER	VAN ZANDT	NECHES	FRESH	801	688	601	493	374	363
CARRIZO-WILCOX AQUIFER	VAN ZANDT	SABINE	FRESH	0	0	0	0	0	0
CARRIZO-WILCOX AQUIFER	VAN ZANDT	TRINITY	FRESH	771	642	520	356	238	143
CARRIZO-WILCOX AQUIFER	WOOD	CYPRESS	FRESH	1,740	1,738	1,738	1,738	1,738	1,738
CARRIZO-WILCOX AQUIFER	WOOD	SABINE	FRESH	5,583	5,495	5,397	5,340	5,266	5,164
NACATOCH AQUIFER	BOWIE	RED	FRESH	1,548	1,525	1,541	1,625	1,698	1,724
NACATOCH AQUIFER	BOWIE	SULPHUR	FRESH	1,942	1,942	1,942	1,942	1,942	1,942
NACATOCH AQUIFER	DELTA	SULPHUR	FRESH	311	297	286	281	281	269
NACATOCH AQUIFER	FRANKLIN	SULPHUR	FRESH	30	30	30	30	30	30
NACATOCH AQUIFER	HOPKINS	SABINE	FRESH	171	171	171	171	171	171
NACATOCH AQUIFER	HOPKINS	SULPHUR	FRESH	0	0	0	0	0	0
NACATOCH AQUIFER	HUNT	SABINE	FRESH	2,713	2,715	2,719	2,721	2,727	2,729
NACATOCH AQUIFER	HUNT	SULPHUR	FRESH	0	0	0	0	0	0
NACATOCH AQUIFER	LAMAR	SULPHUR	FRESH	110	110	110	110	110	110
NACATOCH AQUIFER	RAINS	SABINE	FRESH	1	1	1	1	1	1
NACATOCH AQUIFER	RED RIVER	RED	FRESH	50	50	50	50	50	50

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

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

GROUNDWATER SOURCE TYPE				SOURCE WATER BALANCE (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY*	2020	2030	2040	2050	2060	2070
NACATOCH AQUIFER	RED RIVER	SULPHUR	FRESH	179	180	181	181	181	181
QUEEN CITY AQUIFER	CAMP	CYPRESS	FRESH	3,406	3,406	3,406	3,406	3,406	3,406
QUEEN CITY AQUIFER	CASS	CYPRESS	FRESH	33,979	33,929	33,879	33,816	33,807	33,763
QUEEN CITY AQUIFER	CASS	SULPHUR	FRESH	2,319	2,306	2,293	2,282	2,269	2,256
QUEEN CITY AQUIFER	GREGG	CYPRESS	FRESH	1,359	1,359	1,359	1,359	1,359	1,359
QUEEN CITY AQUIFER	GREGG	SABINE	FRESH	6,214	6,214	6,214	6,214	6,214	6,214
QUEEN CITY AQUIFER	HARRISON	CYPRESS	FRESH	7,729	7,736	7,736	7,736	7,736	7,736
QUEEN CITY AQUIFER	HARRISON	SABINE	FRESH	2,310	2,310	2,310	2,310	2,310	2,310
QUEEN CITY AQUIFER	MARION	CYPRESS	FRESH	13,574	13,574	13,574	13,574	13,505	13,438
QUEEN CITY AQUIFER	MORRIS	CYPRESS	FRESH	5,154	5,154	5,154	5,039	5,039	5,039
QUEEN CITY AQUIFER	SMITH	SABINE	FRESH	26,964	26,945	26,926	26,776	26,559	26,403
QUEEN CITY AQUIFER	TITUS	CYPRESS	FRESH	138	138	138	138	138	138
QUEEN CITY AQUIFER	UPSHUR	CYPRESS	FRESH	19,343	19,069	18,840	18,968	19,093	19,133
QUEEN CITY AQUIFER	UPSHUR	SABINE	FRESH	7,669	7,596	7,586	7,620	7,654	7,679
QUEEN CITY AQUIFER	VAN ZANDT	NECHES	FRESH	3,647	3,647	3,647	3,647	3,647	3,647
QUEEN CITY AQUIFER	WOOD	CYPRESS	FRESH	986	986	986	986	986	986
QUEEN CITY AQUIFER	WOOD	SABINE	FRESH	8,525	8,521	8,517	8,513	8,510	8,506
TRINITY AQUIFER	DELTA	SULPHUR	FRESH	0	0	0	0	0	0
TRINITY AQUIFER	HUNT	SABINE	FRESH	0	0	0	0	0	0
TRINITY AQUIFER	HUNT	SULPHUR	FRESH	3	3	3	3	3	3
TRINITY AQUIFER	HUNT	TRINITY	FRESH	0	0	0	0	0	0
TRINITY AQUIFER	LAMAR	RED	FRESH	0	0	0	0	0	0
TRINITY AQUIFER	LAMAR	SULPHUR	FRESH	6	6	6	6	6	6
TRINITY AQUIFER	RED RIVER	RED	FRESH	29	29	29	29	29	29
TRINITY AQUIFER	RED RIVER	SULPHUR	FRESH	125	125	125	125	125	125
WOODBINE AQUIFER	HUNT	SABINE	FRESH	0	0	0	0	0	0
WOODBINE AQUIFER	HUNT	SULPHUR	FRESH	0	0	0	0	0	0
WOODBINE AQUIFER	HUNT	TRINITY	FRESH	206	210	216	225	230	229
WOODBINE AQUIFER	LAMAR	RED	FRESH	0	0	0	0	0	0
WOODBINE AQUIFER	LAMAR	SULPHUR	FRESH	0	0	0	0	0	0
WOODBINE AQUIFER	RED RIVER	RED	FRESH	0	0	0	0	0	0
<b>GROUNDWATER TOTAL SOURCE WATER BALANCE</b>				<b>209,140</b>	<b>205,968</b>	<b>203,471</b>	<b>201,977</b>	<b>201,039</b>	<b>200,306</b>

REUSE SOURCE TYPE				SOURCE WATER BALANCE (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY*	2020	2030	2040	2050	2060	2070
DIRECT REUSE	GREGG	SABINE	FRESH	0	0	0	0	0	0
DIRECT REUSE	LAMAR	RED	FRESH	0	0	0	0	0	0
DIRECT REUSE	MORRIS	CYPRESS	FRESH	0	0	0	0	0	0
DIRECT REUSE	TITUS	CYPRESS	FRESH	0	0	0	0	0	0
<b>REUSE TOTAL SOURCE WATER BALANCE</b>				<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

SURFACE WATER SOURCE TYPE				SOURCE WATER BALANCE (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY*	2020	2030	2040	2050	2060	2070
BIG CREEK LAKE/RESERVOIR	RESERVOIR	SULPHUR	FRESH	670	670	670	887	888	888
BIG SANDY CREEK LAKE/RESERVOIR	RESERVOIR	SABINE	FRESH	0	0	0	0	0	0

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

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

SURFACE WATER SOURCE TYPE				SOURCE WATER BALANCE (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY*	2020	2030	2040	2050	2060	2070
BOB SANDLIN LAKE/RESERVOIR	RESERVOIR	CYPRESS	FRESH	0	0	0	0	0	0
BRANDY BRANCH LAKE/RESERVOIR	RESERVOIR	SABINE	FRESH	19,889	19,889	19,889	19,889	19,889	19,889
CADDO LAKE/RESERVOIR	RESERVOIR	CYPRESS	FRESH	10,000	10,000	10,000	10,000	10,000	10,000
CANEY CREEK LAKE/RESERVOIR	RESERVOIR	SULPHUR	FRESH	1,013	1,013	1,013	1,013	1,013	1,013
CHAPMAN/COOPER LAKE/RESERVOIR NON-SYSTEM PORTION	RESERVOIR	SULPHUR	FRESH	7,374	6,850	6,610	4,943	4,483	2,892
CROOK LAKE/RESERVOIR	RESERVOIR	RED	FRESH	0	0	0	0	0	0
CYPRESS LIVESTOCK LOCAL SUPPLY	CAMP	CYPRESS	FRESH	53	53	90	155	217	243
CYPRESS LIVESTOCK LOCAL SUPPLY	CASS	CYPRESS	FRESH	0	0	0	0	0	0
CYPRESS LIVESTOCK LOCAL SUPPLY	FRANKLIN	CYPRESS	FRESH	0	0	0	0	0	0
CYPRESS LIVESTOCK LOCAL SUPPLY	HARRISON	CYPRESS	FRESH	0	0	0	0	21	55
CYPRESS LIVESTOCK LOCAL SUPPLY	HOPKINS	CYPRESS	FRESH	0	0	0	0	0	0
CYPRESS LIVESTOCK LOCAL SUPPLY	MORRIS	CYPRESS	FRESH	0	0	0	0	0	0
CYPRESS LIVESTOCK LOCAL SUPPLY	UPSHUR	CYPRESS	FRESH	0	0	0	0	0	0
CYPRESS LIVESTOCK LOCAL SUPPLY	WOOD	CYPRESS	FRESH	106	106	106	106	106	106
CYPRESS RUN-OF-RIVER	CAMP	CYPRESS	FRESH	1	1	1	1	1	1
CYPRESS RUN-OF-RIVER	CASS	CYPRESS	FRESH	168	168	168	168	168	168
CYPRESS RUN-OF-RIVER	GREGG	CYPRESS	FRESH	0	0	0	0	0	0
CYPRESS RUN-OF-RIVER	HARRISON	CYPRESS	FRESH	8,814	8,814	8,814	8,814	8,814	8,814
CYPRESS RUN-OF-RIVER	MARION	CYPRESS	FRESH	924	924	924	924	924	924
CYPRESS RUN-OF-RIVER	MORRIS	CYPRESS	FRESH	59	59	59	59	59	59
CYPRESS RUN-OF-RIVER	TITUS	CYPRESS	FRESH	0	0	0	0	0	0
CYPRESS RUN-OF-RIVER	UPSHUR	CYPRESS	FRESH	0	0	0	0	0	0
CYPRESS SPRINGS LAKE/RESERVOIR	RESERVOIR	CYPRESS	FRESH	0	0	0	0	0	0
EDGEWOOD CITY LAKE/RESERVOIR	RESERVOIR	SABINE	FRESH	0	0	0	0	0	0
ELLIOT CREEK LAKE/RESERVOIR	RESERVOIR	SULPHUR	FRESH	1,916	1,916	1,916	1,916	1,916	1,916
ELLISON CREEK LAKE/RESERVOIR	RESERVOIR	CYPRESS	FRESH	10,643	10,643	10,643	10,643	10,643	10,643
FORK LAKE/RESERVOIR	RESERVOIR	SABINE	FRESH	722	912	1,078	1,324	1,453	1,560
GILMER LAKE/RESERVOIR	RESERVOIR	CYPRESS	FRESH	550	550	550	550	550	550
GLADEWATER LAKE/RESERVOIR	RESERVOIR	SABINE	FRESH	257	257	257	257	257	257
GRAYS CREEK RUN-OF-RIVER	HARRISON	CYPRESS	FRESH	0	0	0	0	0	0
GREENVILLE CITY LAKE/RESERVOIR	RESERVOIR	SABINE	FRESH	0	0	0	0	0	0
JOHNSON CREEK LAKE/RESERVOIR	RESERVOIR	CYPRESS	FRESH	1,968	1,968	1,968	1,968	1,968	1,968
LANGFORD LAKE/RESERVOIR	RESERVOIR	SULPHUR	FRESH	433	293	0	0	0	0
LOMA LAKE/RESERVOIR	RESERVOIR	SABINE	FRESH	1,777	1,777	1,777	1,777	1,777	1,777
MILL CREEK LAKE/RESERVOIR	RESERVOIR	SABINE	FRESH	0	0	0	0	0	0
MONTECELLO LAKE/RESERVOIR	RESERVOIR	CYPRESS	FRESH	0	0	0	0	0	0
NECHES LIVESTOCK LOCAL SUPPLY	VAN ZANDT	NECHES	FRESH	28	28	28	28	28	28
NECHES RUN-OF-RIVER	VAN ZANDT	NECHES	FRESH	0	0	0	0	0	0
O' THE PINES LAKE/RESERVOIR	RESERVOIR	CYPRESS	FRESH	0	0	0	0	0	0
PAT MAYSE LAKE/RESERVOIR	RESERVOIR	RED	FRESH	8,182	8,180	8,181	8,181	8,180	8,209
RED LIVESTOCK LOCAL SUPPLY	BOWIE	RED	FRESH	0	0	0	0	0	0
RED LIVESTOCK LOCAL SUPPLY	LAMAR	RED	FRESH	0	0	0	0	0	0
RED LIVESTOCK LOCAL SUPPLY	RED RIVER	RED	FRESH	0	0	0	0	0	0
RED RUN-OF-RIVER	BOWIE	RED	FRESH	2,220	2,220	2,220	2,220	2,220	2,220
RED RUN-OF-RIVER	LAMAR	RED	FRESH	0	0	0	0	0	0

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

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

SURFACE WATER SOURCE TYPE				SOURCE WATER BALANCE (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY*	2020	2030	2040	2050	2060	2070
RED RUN-OF-RIVER	RED RIVER	RED	FRESH	0	0	0	0	0	0
RHINES LAKE	VAN ZANDT	NECHES	FRESH	0	0	0	0	0	0
SABINE LIVESTOCK LOCAL SUPPLY	FRANKLIN	SABINE	FRESH	0	0	0	0	0	0
SABINE LIVESTOCK LOCAL SUPPLY	HOPKINS	SABINE	FRESH	0	0	0	0	0	0
SABINE LIVESTOCK LOCAL SUPPLY	HUNT	SABINE	FRESH	0	0	0	0	0	0
SABINE LIVESTOCK LOCAL SUPPLY	RAINS	SABINE	FRESH	169	169	169	169	169	169
SABINE LIVESTOCK LOCAL SUPPLY	UPSHUR	SABINE	FRESH	59	59	59	59	59	59
SABINE LIVESTOCK LOCAL SUPPLY	VAN ZANDT	SABINE	FRESH	0	0	0	0	0	0
SABINE LIVESTOCK LOCAL SUPPLY	WOOD	SABINE	FRESH	0	0	0	0	0	0
SABINE OTHER LOCAL SUPPLY	GREGG	SABINE	FRESH	2,050	2,050	2,050	2,050	2,050	2,050
SABINE OTHER LOCAL SUPPLY	VAN ZANDT	SABINE	FRESH	0	0	0	0	0	0
SABINE RUN-OF-RIVER	GREGG	SABINE	FRESH	17	17	17	17	17	17
SABINE RUN-OF-RIVER	HARRISON	SABINE	FRESH	0	0	0	0	0	0
SABINE RUN-OF-RIVER	HOPKINS	SABINE	FRESH	0	0	0	0	0	0
SABINE RUN-OF-RIVER	HUNT	SABINE	FRESH	0	0	0	0	0	0
SABINE RUN-OF-RIVER	RAINS	SABINE	FRESH	0	0	0	0	0	0
SABINE RUN-OF-RIVER	SMITH	SABINE	FRESH	644	644	644	644	644	644
SABINE RUN-OF-RIVER	UPSHUR	SABINE	FRESH	197	197	197	197	197	197
SABINE RUN-OF-RIVER	VAN ZANDT	SABINE	FRESH	125	125	125	125	125	125
SABINE RUN-OF-RIVER	WOOD	SABINE	FRESH	434	434	434	434	434	434
SULPHUR LIVESTOCK LOCAL SUPPLY	BOWIE	SULPHUR	FRESH	576	576	514	406	300	258
SULPHUR LIVESTOCK LOCAL SUPPLY	CASS	SULPHUR	FRESH	0	0	0	0	0	0
SULPHUR LIVESTOCK LOCAL SUPPLY	DELTA	SULPHUR	FRESH	0	0	0	0	0	0
SULPHUR LIVESTOCK LOCAL SUPPLY	FRANKLIN	SULPHUR	FRESH	0	0	0	0	0	0
SULPHUR LIVESTOCK LOCAL SUPPLY	HOPKINS	SULPHUR	FRESH	0	0	0	0	0	0
SULPHUR LIVESTOCK LOCAL SUPPLY	HUNT	SULPHUR	FRESH	0	0	0	0	0	0
SULPHUR LIVESTOCK LOCAL SUPPLY	LAMAR	SULPHUR	FRESH	0	0	0	0	0	0
SULPHUR LIVESTOCK LOCAL SUPPLY	MORRIS	SULPHUR	FRESH	66	61	61	61	66	66
SULPHUR LIVESTOCK LOCAL SUPPLY	RED RIVER	SULPHUR	FRESH	0	0	0	0	0	0
SULPHUR LIVESTOCK LOCAL SUPPLY	TITUS	SULPHUR	FRESH	0	0	0	0	0	0
SULPHUR OTHER LOCAL SUPPLY	DELTA	SULPHUR	FRESH	25	26	26	26	26	26
SULPHUR RUN-OF-RIVER	BOWIE	SULPHUR	FRESH	49	49	49	49	49	49
SULPHUR RUN-OF-RIVER	DELTA	SULPHUR	FRESH	0	0	0	0	1	1
SULPHUR RUN-OF-RIVER	FRANKLIN	SULPHUR	FRESH	8	18	18	28	28	28
SULPHUR RUN-OF-RIVER	HOPKINS	SULPHUR	FRESH	0	0	0	0	0	0
SULPHUR RUN-OF-RIVER	HUNT	SULPHUR	FRESH	0	0	0	0	0	0
SULPHUR RUN-OF-RIVER	LAMAR	SULPHUR	FRESH	0	0	0	0	0	0
SULPHUR RUN-OF-RIVER	RED RIVER	SULPHUR	FRESH	8,519	8,519	8,519	8,519	8,519	8,519
SULPHUR RUN-OF-RIVER	TITUS	SULPHUR	FRESH	9	9	9	9	20	20
SULPHUR SPRINGS LAKE/RESERVOIR	RESERVOIR	SULPHUR	FRESH	1,791	1,791	1,791	1,791	1,728	1,728
TANKERSLEY LAKE/RESERVOIR	RESERVOIR	CYPRESS	FRESH	0	0	0	0	0	0
TAWAKONI LAKE/RESERVOIR	RESERVOIR	SABINE	FRESH	(63)	(234)	(428)	(619)	(823)	(1,037)
TRINITY LIVESTOCK LOCAL SUPPLY	HUNT	TRINITY	FRESH	0	0	0	0	0	0
TRINITY LIVESTOCK LOCAL SUPPLY	VAN ZANDT	TRINITY	FRESH	0	0	0	0	0	0
TURKEY CREEK LAKE/RESERVOIR	RESERVOIR	SULPHUR	FRESH	0	0	0	0	0	0

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



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

SURFACE WATER SOURCE TYPE				SOURCE WATER BALANCE (ACRE-FEET PER YEAR)					
SOURCE NAME	COUNTY	BASIN	SALINITY*	2020	2030	2040	2050	2060	2070
WELSH LAKE/RESERVOIR	RESERVOIR	CYPRESS	FRESH	0	0	0	0	0	0
WRIGHT PATMAN LAKE/RESERVOIR	RESERVOIR	SULPHUR	FRESH	206,239	181,141	155,811	132,687	109,870	87,250
<b>SURFACE WATER TOTAL SOURCE WATER BALANCE</b>				<b>298,681</b>	<b>272,942</b>	<b>247,027</b>	<b>222,475</b>	<b>199,054</b>	<b>174,783</b>
<b>REGION D TOTAL SOURCE WATER BALANCE</b>				<b>507,821</b>	<b>478,910</b>	<b>450,498</b>	<b>424,452</b>	<b>400,093</b>	<b>375,089</b>

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

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

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
<b>BOWIE COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	13,430	15,086	12.3%	12,297	14,213	15.6%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	3,591	10,115	181.7%	3,345	9,869	195.0%
<b>CAMP COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	7,583	7,592	0.1%	7,583	7,592	0.1%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	535	535	0.0%	725	725	0.0%
<b>CASS COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	42,726	56,532	32.3%	42,726	56,135	31.4%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	846	854	0.9%	847	855	0.9%
<b>DELTA COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	937	631	-32.7%	937	631	-32.7%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	4,801	10,347	115.5%	4,762	11,082	132.7%
<b>FRANKLIN COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	9,514	9,816	3.2%	9,514	9,816	3.2%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	1,155	1,163	0.7%	1,145	1,173	2.4%
<b>GREGG COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	15,222	15,614	2.6%	15,222	15,614	2.6%
REUSE AVAILABILITY TOTAL (acre-feet per year)	6,161	6,161	0.0%	6,161	6,161	0.0%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	3,774	15,333	306.3%	3,776	15,333	306.1%
<b>HARRISON COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	19,210	21,106	9.9%	19,012	20,899	9.9%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	28,478	105,031	268.8%	28,623	105,176	267.5%
<b>HOPKINS COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	4,598	7,599	65.3%	4,598	7,599	65.3%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	3,110	3,107	-0.1%	2,589	2,601	0.5%
<b>HUNT COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	7,185	4,561	-36.5%	7,185	4,559	-36.5%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	1,148	1,165	1.5%	1,149	1,166	1.5%
<b>LAMAR COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	5,470	561	-89.7%	5,470	561	-89.7%
REUSE AVAILABILITY TOTAL (acre-feet per year)	12	12	0.0%	12	12	0.0%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	1,633	10,232	526.6%	1,633	10,232	526.6%
<b>MARION COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	17,626	18,133	2.9%	17,626	17,997	2.1%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	148	1,072	624.3%	148	1,072	624.3%
<b>MORRIS COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	12,268	12,220	-0.4%	12,095	12,105	0.1%
REUSE AVAILABILITY TOTAL (acre-feet per year)	72,086	72,086	0.0%	65,248	65,248	0.0%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	492	481	-2.2%	497	486	-2.2%
<b>RAINS COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	1,704	1,840	8.0%	1,584	1,746	10.2%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	730	886	21.4%	730	886	21.4%
<b>RED RIVER COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	3,479	2,962	-14.9%	3,479	2,962	-14.9%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	10,675	12,436	16.5%	11,445	12,463	8.9%
<b>RESERVOIR COUNTY</b>						
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	1,211,304	1,198,003	-1.1%	1,006,609	1,039,705	3.3%
<b>SMITH COUNTY</b>						

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

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	38,239	41,589	8.8%	38,215	41,083	7.5%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	994	994	0.0%	994	994	0.0%
<b>TITUS COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	10,459	10,191	-2.6%	9,776	9,610	-1.7%
REUSE AVAILABILITY TOTAL (acre-feet per year)	160	160	0.0%	160	160	0.0%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	1,644	2,029	23.4%	1,644	2,043	24.3%
<b>UPSHUR COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	32,685	34,522	5.6%	32,504	34,276	5.5%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	1,359	1,556	14.5%	1,359	1,556	14.5%
<b>VAN ZANDT COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	14,097	14,144	0.3%	13,865	13,785	-0.6%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	4,183	5,668	35.5%	4,591	6,076	32.3%
<b>WOOD COUNTY</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	31,651	31,503	-0.5%	31,423	31,283	-0.4%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	2,765	3,199	15.7%	2,765	3,199	15.7%
<b>REGION D</b>						
GROUNDWATER AVAILABILITY TOTAL (acre-feet per year)	288,083	306,202	6.3%	285,111	302,466	6.1%
REUSE AVAILABILITY TOTAL (acre-feet per year)	78,419	78,419	0.0%	71,581	71,581	0.0%
SURFACE WATER AVAILABILITY TOTAL (acre-feet per year)	1,283,365	1,384,206	7.9%	1,079,376	1,226,692	13.6%

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

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
<b>BOWIE COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	3,501	3,501	0.0%	3,535	3,535	0.0%
PROJECTED DEMAND TOTAL	2,379	1,584	-33.4%	2,304	800	-65.3%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>BOWIE COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	981	7,161	630.0%	981	7,161	630.0%
PROJECTED DEMAND TOTAL	6,221	10,373	66.7%	5,121	10,373	102.6%
WATER SUPPLY NEEDS TOTAL	5,240	4,134	-21.1%	4,140	4,134	-0.1%
<b>BOWIE COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,156	1,156	0.0%	720	720	0.0%
PROJECTED DEMAND TOTAL	1,156	1,825	57.9%	720	1,136	57.8%
WATER SUPPLY NEEDS TOTAL	0	669	100.0%	0	416	100.0%
<b>BOWIE COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	35	35	0.0%	35	35	0.0%
PROJECTED DEMAND TOTAL	1,579	1,611	2.0%	2,286	2,047	-10.5%
WATER SUPPLY NEEDS TOTAL	1,544	1,579	2.3%	2,251	2,014	-10.5%
<b>BOWIE COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	187	66	-64.7%	187	66	-64.7%
PROJECTED DEMAND TOTAL	17,374	12,850	-26.0%	17,399	15,058	-13.5%
WATER SUPPLY NEEDS TOTAL	17,187	12,784	-25.6%	17,216	14,992	-12.9%
<b>CAMP COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	432	432	0.0%	478	478	0.0%
PROJECTED DEMAND TOTAL	136	173	27.2%	48	120	150.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>CAMP COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	952	952	0.0%	952	952	0.0%
PROJECTED DEMAND TOTAL	952	4,914	416.2%	952	4,914	416.2%
WATER SUPPLY NEEDS TOTAL	0	3,962	100.0%	0	3,962	100.0%
<b>CAMP COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	47	47	0.0%	58	58	0.0%
PROJECTED DEMAND TOTAL	46	35	-23.9%	58	52	-10.3%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>CAMP COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	23	23	0.0%	23	23	0.0%
PROJECTED DEMAND TOTAL	12	12	0.0%	7	7	0.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>CAMP COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	2,762	2,914	5.5%	2,792	2,914	4.4%
PROJECTED DEMAND TOTAL	1,539	1,480	-3.8%	2,194	2,091	-4.7%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	226	0	-100.0%
<b>CASS COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	2,766	2,766	0.0%	3,073	3,073	0.0%
PROJECTED DEMAND TOTAL	1,589	1,087	-31.6%	1,410	846	-40.0%

\*WUG supplies and projected demands are entered for each of a WUG’s region-county-basin divisions. The needs shown in the WUG Data Comparison to 2016 RWP report are calculated by first deducting the WUG split’s projected demand from its total existing water supply volume. If the WUG split has a greater existing supply volume than projected demand in any given decade, this amount is considered a surplus volume. Before aggregating the difference between supplies and demands to the WUG county and category level, calculated surpluses are updated to zero so that only the WUGs with needs in the decade are included with the Needs totals.

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

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>CASS COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	839	839	0.0%	841	841	0.0%
PROJECTED DEMAND TOTAL	715	2,657	271.6%	715	2,657	271.6%
WATER SUPPLY NEEDS TOTAL	0	1,818	100.0%	0	1,816	100.0%
<b>CASS COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	120,051	120,051	0.0%	88,056	120,046	36.3%
PROJECTED DEMAND TOTAL	115,199	32,723	-71.6%	150,883	32,799	-78.3%
WATER SUPPLY NEEDS TOTAL	115	0	-100.0%	62,827	0	-100.0%
<b>CASS COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	839	839	0.0%	952	952	0.0%
PROJECTED DEMAND TOTAL	39	39	0.0%	20	20	0.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>CASS COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	2,974	4,250	42.9%	2,920	4,438	52.0%
PROJECTED DEMAND TOTAL	1,882	2,415	28.3%	1,766	2,502	41.7%
WATER SUPPLY NEEDS TOTAL	0	47	100.0%	0	38	100.0%
<b>DELTA COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,148	665	-42.1%	1,022	582	-43.1%
PROJECTED DEMAND TOTAL	207	82	-60.4%	210	73	-65.2%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>DELTA COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	4,601	10,066	118.8%	4,530	10,774	137.8%
PROJECTED DEMAND TOTAL	2,775	2,396	-13.7%	2,626	2,396	-8.8%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>DELTA COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	373	279	-25.2%	373	291	-22.0%
PROJECTED DEMAND TOTAL	373	541	45.0%	373	541	45.0%
WATER SUPPLY NEEDS TOTAL	0	262	100.0%	0	250	100.0%
<b>DELTA COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,807	1,182	-34.6%	1,668	1,244	-25.4%
PROJECTED DEMAND TOTAL	457	591	29.3%	442	580	31.2%
WATER SUPPLY NEEDS TOTAL	0	6	100.0%	0	15	100.0%
<b>FRANKLIN COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	197	197	0.0%	232	215	-7.3%
PROJECTED DEMAND TOTAL	153	98	-35.9%	170	109	-35.9%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>FRANKLIN COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	300	300	0.0%	300	300	0.0%
PROJECTED DEMAND TOTAL	26	103	296.2%	26	103	296.2%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>FRANKLIN COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,046	1,046	0.0%	1,046	1,046	0.0%
PROJECTED DEMAND TOTAL	1,036	2,850	175.1%	1,036	2,850	175.1%

\*WUG supplies and projected demands are entered for each of a WUG's region-county-basin divisions. The needs shown in the WUG Data Comparison to 2016 RWP report are calculated by first deducting the WUG split's projected demand from its total existing water supply volume. If the WUG split has a greater existing supply volume than projected demand in any given decade, this amount is considered a surplus volume. Before aggregating the difference between supplies and demands to the WUG county and category level, calculated surpluses are updated to zero so that only the WUGs with needs in the decade are included with the Needs totals.

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

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
WATER SUPPLY NEEDS TOTAL	0	1,804	100.0%	0	1,804	100.0%
<b>FRANKLIN COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	0	7	100.0%	0	7	100.0%
PROJECTED DEMAND TOTAL	0	5	100.0%	0	7	100.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>FRANKLIN COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,040	1,040	0.0%	954	954	0.0%
PROJECTED DEMAND TOTAL	5	5	0.0%	2	2	0.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>FRANKLIN COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	4,981	5,110	2.6%	4,605	2,318	-49.7%
PROJECTED DEMAND TOTAL	1,298	1,333	2.7%	1,367	1,404	2.7%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	579	100.0%
<b>GREGG COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,288	1,288	0.0%	1,682	1,682	0.0%
PROJECTED DEMAND TOTAL	718	595	-17.1%	1,075	900	-16.3%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>GREGG COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	182	179	-1.6%	182	179	-1.6%
PROJECTED DEMAND TOTAL	24	40	66.7%	24	40	66.7%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>GREGG COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	215	215	0.0%	215	215	0.0%
PROJECTED DEMAND TOTAL	215	210	-2.3%	215	210	-2.3%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>GREGG COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	6,846	6,846	0.0%	6,848	6,848	0.0%
PROJECTED DEMAND TOTAL	4,251	1,233	-71.0%	6,542	1,517	-76.8%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>GREGG COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	70	260	271.4%	116	171	47.4%
PROJECTED DEMAND TOTAL	274	274	0.0%	180	180	0.0%
WATER SUPPLY NEEDS TOTAL	204	14	-93.1%	64	9	-85.9%
<b>GREGG COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	42,961	42,894	-0.2%	49,154	49,056	-0.2%
PROJECTED DEMAND TOTAL	30,079	30,191	0.4%	46,786	46,965	0.4%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	86	100.0%
<b>GREGG COUNTY   STEAM ELECTRIC POWER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	2,242	2,242	0.0%	2,242	2,242	0.0%
PROJECTED DEMAND TOTAL	978	940	-3.9%	2,094	940	-55.1%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>HARRISON COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	4,200	4,200	0.0%	4,845	4,845	0.0%
PROJECTED DEMAND TOTAL	3,176	1,438	-54.7%	4,397	1,878	-57.3%

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	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>HARRISON COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	212	212	0.0%	212	212	0.0%
PROJECTED DEMAND TOTAL	445	701	57.5%	445	701	57.5%
WATER SUPPLY NEEDS TOTAL	233	489	109.9%	233	489	109.9%
<b>HARRISON COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	964	964	0.0%	1,313	1,313	0.0%
PROJECTED DEMAND TOTAL	856	636	-25.7%	1,097	815	-25.7%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>HARRISON COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	40,956	24,884	-39.2%	40,956	24,884	-39.2%
PROJECTED DEMAND TOTAL	95,100	24,736	-74.0%	140,534	27,940	-80.1%
WATER SUPPLY NEEDS TOTAL	55,006	795	-98.6%	100,394	3,997	-96.0%
<b>HARRISON COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	865	865	0.0%	953	953	0.0%
PROJECTED DEMAND TOTAL	2,498	2,498	0.0%	855	855	0.0%
WATER SUPPLY NEEDS TOTAL	1,633	1,633	0.0%	18	18	0.0%
<b>HARRISON COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	15,424	17,595	14.1%	10,450	12,621	20.8%
PROJECTED DEMAND TOTAL	7,493	9,425	25.8%	10,658	13,564	27.3%
WATER SUPPLY NEEDS TOTAL	6	225	3650.0%	849	1,762	107.5%
<b>HARRISON COUNTY   STEAM ELECTRIC POWER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	24,161	24,161	0.0%	24,161	24,161	0.0%
PROJECTED DEMAND TOTAL	19,838	21,112	6.4%	46,625	21,112	-54.7%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	22,464	0	-100.0%
<b>HOPKINS COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,705	1,653	-3.0%	1,585	1,533	-3.3%
PROJECTED DEMAND TOTAL	824	177	-78.5%	844	123	-85.4%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>HOPKINS COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	143	150	4.9%	143	155	8.4%
PROJECTED DEMAND TOTAL	2,269	4,769	110.2%	2,269	4,769	110.2%
WATER SUPPLY NEEDS TOTAL	2,126	4,621	117.4%	2,126	4,616	117.1%
<b>HOPKINS COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	4,854	4,854	0.0%	4,856	4,856	0.0%
PROJECTED DEMAND TOTAL	4,236	5,498	29.8%	4,236	5,498	29.8%
WATER SUPPLY NEEDS TOTAL	0	669	100.0%	0	667	100.0%
<b>HOPKINS COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,741	1,741	0.0%	2,275	2,275	0.0%
PROJECTED DEMAND TOTAL	1,741	944	-45.8%	2,275	968	-57.5%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>HOPKINS COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	804	804	0.0%	938	938	0.0%
PROJECTED DEMAND TOTAL	1,031	1,031	0.0%	1,577	1,577	0.0%

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	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
WATER SUPPLY NEEDS TOTAL	227	227	0.0%	639	639	0.0%
<b>HOPKINS COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	21,309	8,770	-58.8%	19,611	8,477	-56.8%
PROJECTED DEMAND TOTAL	4,670	5,389	15.4%	6,022	6,855	13.8%
WATER SUPPLY NEEDS TOTAL	0	23	100.0%	255	342	34.1%
<b>HUNT COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	2,517	2,241	-11.0%	5,340	4,920	-7.9%
PROJECTED DEMAND TOTAL	2,282	790	-65.4%	12,893	6,846	-46.9%
WATER SUPPLY NEEDS TOTAL	0	13	100.0%	7,554	1,926	-74.5%
<b>HUNT COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	108	125	15.7%	108	125	15.7%
PROJECTED DEMAND TOTAL	254	355	39.8%	254	355	39.8%
WATER SUPPLY NEEDS TOTAL	146	230	57.5%	146	230	57.5%
<b>HUNT COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,150	1,146	-0.3%	1,150	1,147	-0.3%
PROJECTED DEMAND TOTAL	1,141	1,095	-4.0%	1,141	1,095	-4.0%
WATER SUPPLY NEEDS TOTAL	0	2	100.0%	0	1	100.0%
<b>HUNT COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,386	1,386	0.0%	2,525	2,525	0.0%
PROJECTED DEMAND TOTAL	705	555	-21.3%	1,312	672	-48.8%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>HUNT COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	55	55	0.0%	50	50	0.0%
PROJECTED DEMAND TOTAL	128	128	0.0%	47	47	0.0%
WATER SUPPLY NEEDS TOTAL	73	73	0.0%	0	0	0.0%
<b>HUNT COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	14,704	17,982	22.3%	24,455	28,044	14.7%
PROJECTED DEMAND TOTAL	15,288	16,768	9.7%	41,507	45,799	10.3%
WATER SUPPLY NEEDS TOTAL	3,362	1,245	-63.0%	18,892	19,445	2.9%
<b>HUNT COUNTY   STEAM ELECTRIC POWER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	351	351	0.0%	351	351	0.0%
PROJECTED DEMAND TOTAL	12,436	373	-97.0%	28,564	373	-98.7%
WATER SUPPLY NEEDS TOTAL	12,085	22	-99.8%	28,213	22	-99.9%
<b>LAMAR COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	351	275	-21.7%	342	280	-18.1%
PROJECTED DEMAND TOTAL	418	479	14.6%	458	524	14.4%
WATER SUPPLY NEEDS TOTAL	67	204	204.5%	116	244	110.3%
<b>LAMAR COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	2,633	8,658	228.8%	2,320	8,658	273.2%
PROJECTED DEMAND TOTAL	20,945	10,126	-51.7%	20,622	10,126	-50.9%
WATER SUPPLY NEEDS TOTAL	18,312	1,468	-92.0%	18,302	1,468	-92.0%
<b>LAMAR COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	3,258	1,624	-50.2%	3,253	1,624	-50.1%
PROJECTED DEMAND TOTAL	2,800	1,469	-47.5%	2,800	1,469	-47.5%

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	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
WATER SUPPLY NEEDS TOTAL	0	617	100.0%	0	617	100.0%
<b>LAMAR COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	5,961	5,961	0.0%	7,475	7,475	0.0%
PROJECTED DEMAND TOTAL	6,427	5,026	-21.8%	8,338	5,137	-38.4%
WATER SUPPLY NEEDS TOTAL	565	0	-100.0%	951	0	-100.0%
<b>LAMAR COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	37,835	37,631	-0.5%	36,295	36,064	-0.6%
PROJECTED DEMAND TOTAL	5,976	5,959	-0.3%	6,208	6,195	-0.2%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>LAMAR COUNTY   STEAM ELECTRIC POWER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	8,961	8,961	0.0%	8,961	8,961	0.0%
PROJECTED DEMAND TOTAL	8,503	5,511	-35.2%	19,529	5,511	-71.8%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	10,568	0	-100.0%
<b>MARION COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,766	1,766	0.0%	1,766	1,766	0.0%
PROJECTED DEMAND TOTAL	545	99	-81.8%	545	61	-88.8%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>MARION COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	0	12	100.0%	0	12	100.0%
PROJECTED DEMAND TOTAL	0	12	100.0%	0	12	100.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>MARION COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	411	411	0.0%	411	411	0.0%
PROJECTED DEMAND TOTAL	411	188	-54.3%	411	188	-54.3%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>MARION COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	72	0	-100.0%	95	0	-100.0%
PROJECTED DEMAND TOTAL	72	0	-100.0%	95	0	-100.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>MARION COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	116	116	0.0%	128	128	0.0%
PROJECTED DEMAND TOTAL	489	489	0.0%	393	393	0.0%
WATER SUPPLY NEEDS TOTAL	373	373	0.0%	265	265	0.0%
<b>MARION COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,708	2,948	72.6%	1,708	2,948	72.6%
PROJECTED DEMAND TOTAL	423	950	124.6%	395	949	140.3%
WATER SUPPLY NEEDS TOTAL	0	32	100.0%	0	73	100.0%
<b>MARION COUNTY   STEAM ELECTRIC POWER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,852	1,852	0.0%	3,967	3,967	0.0%
PROJECTED DEMAND TOTAL	1,852	4,257	129.9%	3,967	4,257	7.3%
WATER SUPPLY NEEDS TOTAL	0	2,405	100.0%	0	290	100.0%
<b>MORRIS COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	540	540	0.0%	540	540	0.0%
PROJECTED DEMAND TOTAL	445	352	-20.9%	458	371	-19.0%

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WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>MORRIS COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	0	11	100.0%	0	11	100.0%
PROJECTED DEMAND TOTAL	0	11	100.0%	0	11	100.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>MORRIS COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	626	626	0.0%	626	626	0.0%
PROJECTED DEMAND TOTAL	618	1,605	159.7%	618	1,605	159.7%
WATER SUPPLY NEEDS TOTAL	0	979	100.0%	0	979	100.0%
<b>MORRIS COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	134,943	121,906	-9.7%	128,105	115,068	-10.2%
PROJECTED DEMAND TOTAL	95,931	25,738	-73.2%	130,868	25,743	-80.3%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	2,763	0	-100.0%
<b>MORRIS COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	3,025	3,010	-0.5%	2,995	3,011	0.5%
PROJECTED DEMAND TOTAL	1,307	1,383	5.8%	1,356	1,426	5.2%
WATER SUPPLY NEEDS TOTAL	164	207	26.2%	170	206	21.2%
<b>MORRIS COUNTY   STEAM ELECTRIC POWER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	820	820	0.0%	820	820	0.0%
PROJECTED DEMAND TOTAL	43	50	16.3%	91	50	-45.1%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>RAINS COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	711	393	-44.7%	727	409	-43.7%
PROJECTED DEMAND TOTAL	587	74	-87.4%	608	61	-90.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>RAINS COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	55	211	283.6%	55	211	283.6%
PROJECTED DEMAND TOTAL	38	65	71.1%	38	65	71.1%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>RAINS COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	506	506	0.0%	506	506	0.0%
PROJECTED DEMAND TOTAL	506	428	-15.4%	506	428	-15.4%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>RAINS COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	5	5	0.0%	5	5	0.0%
PROJECTED DEMAND TOTAL	3	12	300.0%	3	12	300.0%
WATER SUPPLY NEEDS TOTAL	0	7	100.0%	0	7	100.0%
<b>RAINS COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	2,022	2,372	17.3%	3,178	3,492	9.9%
PROJECTED DEMAND TOTAL	1,170	2,000	70.9%	1,221	2,103	72.2%
WATER SUPPLY NEEDS TOTAL	0	451	100.0%	0	254	100.0%
<b>RED RIVER COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	332	332	0.0%	324	324	0.0%
PROJECTED DEMAND TOTAL	238	159	-33.2%	6	8	33.3%

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	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>RED RIVER COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	780	2,532	224.6%	770	2,559	232.3%
PROJECTED DEMAND TOTAL	5,156	3,867	-25.0%	4,895	3,867	-21.0%
WATER SUPPLY NEEDS TOTAL	4,376	2,145	-51.0%	4,125	2,118	-48.7%
<b>RED RIVER COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,687	1,527	-9.5%	1,687	1,527	-9.5%
PROJECTED DEMAND TOTAL	1,484	1,532	3.2%	1,484	1,532	3.2%
WATER SUPPLY NEEDS TOTAL	0	184	100.0%	0	184	100.0%
<b>RED RIVER COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	9	8	-11.1%	2	1	-50.0%
PROJECTED DEMAND TOTAL	9	3	-66.7%	11	3	-72.7%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	9	2	-77.8%
<b>RED RIVER COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	4	4	0.0%	3	3	0.0%
PROJECTED DEMAND TOTAL	4	4	0.0%	3	3	0.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>RED RIVER COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,905	1,730	-9.2%	1,001	1,717	71.5%
PROJECTED DEMAND TOTAL	1,237	1,407	13.7%	1,271	1,384	8.9%
WATER SUPPLY NEEDS TOTAL	0	237	100.0%	591	219	-62.9%
<b>RED RIVER COUNTY   STEAM ELECTRIC POWER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	8,510	0	-100.0%	9,290	0	-100.0%
PROJECTED DEMAND TOTAL	489	0	-100.0%	1,048	0	-100.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>SMITH COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	2,912	2,912	0.0%	4,500	4,500	0.0%
PROJECTED DEMAND TOTAL	1,371	544	-60.3%	2,300	1,216	-47.1%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>SMITH COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	370	370	0.0%	475	475	0.0%
PROJECTED DEMAND TOTAL	370	324	-12.4%	475	324	-31.8%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>SMITH COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	468	468	0.0%	468	468	0.0%
PROJECTED DEMAND TOTAL	468	514	9.8%	468	514	9.8%
WATER SUPPLY NEEDS TOTAL	0	46	100.0%	0	46	100.0%
<b>SMITH COUNTY   MANUFACTURING WUG TYPE</b>						
PROJECTED DEMAND TOTAL	300	4	-98.7%	442	5	-98.9%
WATER SUPPLY NEEDS TOTAL	300	4	-98.7%	442	5	-98.9%
<b>SMITH COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	320	320	0.0%	452	452	0.0%
PROJECTED DEMAND TOTAL	287	287	0.0%	497	497	0.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	45	45	0.0%

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

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
<b>SMITH COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	7,376	7,632	3.5%	9,508	8,928	-6.1%
PROJECTED DEMAND TOTAL	6,106	6,657	9.0%	11,947	12,448	4.2%
WATER SUPPLY NEEDS TOTAL	146	466	219.2%	2,802	3,852	37.5%
<b>SMITH COUNTY   STEAM ELECTRIC POWER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	12	0	-100.0%	27	0	-100.0%
PROJECTED DEMAND TOTAL	12	0	-100.0%	27	0	-100.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>TITUS COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,573	1,573	0.0%	1,882	992	-47.3%
PROJECTED DEMAND TOTAL	497	474	-4.6%	829	790	-4.7%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>TITUS COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,077	1,459	35.5%	1,077	1,462	35.7%
PROJECTED DEMAND TOTAL	1,000	1,053	5.3%	1,000	1,053	5.3%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>TITUS COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,008	1,008	0.0%	942	942	0.0%
PROJECTED DEMAND TOTAL	930	2,947	216.9%	930	2,947	216.9%
WATER SUPPLY NEEDS TOTAL	0	1,939	100.0%	0	2,005	100.0%
<b>TITUS COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	5,392	5,392	0.0%	5,816	2,461	-57.7%
PROJECTED DEMAND TOTAL	8,995	4,063	-54.8%	11,256	4,155	-63.1%
WATER SUPPLY NEEDS TOTAL	3,603	0	-100.0%	5,440	1,694	-68.9%
<b>TITUS COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	4,553	4,553	0.0%	4,659	4,659	0.0%
PROJECTED DEMAND TOTAL	1,644	1,644	0.0%	2,392	2,392	0.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>TITUS COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	6,966	6,421	-7.8%	7,185	2,425	-66.2%
PROJECTED DEMAND TOTAL	5,508	5,488	-0.4%	9,017	8,985	-0.4%
WATER SUPPLY NEEDS TOTAL	1,396	1,539	10.2%	2,229	6,581	195.2%
<b>TITUS COUNTY   STEAM ELECTRIC POWER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	31,865	31,865	0.0%	29,148	29,148	0.0%
PROJECTED DEMAND TOTAL	52,423	61,931	18.1%	120,703	61,931	-48.7%
WATER SUPPLY NEEDS TOTAL	20,558	30,066	46.2%	91,555	32,783	-64.2%
<b>UPSHUR COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,919	1,066	-44.5%	2,050	1,197	-41.6%
PROJECTED DEMAND TOTAL	1,498	735	-50.9%	1,855	911	-50.9%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	1	100.0%
<b>UPSHUR COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	272	272	0.0%	272	272	0.0%
PROJECTED DEMAND TOTAL	185	170	-8.1%	185	170	-8.1%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%

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

	2020 PLANNING DECADE			2070 PLANNING DECADE		
	2016 RWP	2021 RWP	DIFFERENCE (%)	2016 RWP	2021 RWP	DIFFERENCE (%)
<b>UPSHUR COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,511	1,511	0.0%	1,511	1,511	0.0%
PROJECTED DEMAND TOTAL	1,358	1,651	21.6%	1,358	1,651	21.6%
WATER SUPPLY NEEDS TOTAL	0	140	100.0%	0	140	100.0%
<b>UPSHUR COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	6	6	0.0%	6	6	0.0%
PROJECTED DEMAND TOTAL	272	69	-74.6%	382	76	-80.1%
WATER SUPPLY NEEDS TOTAL	266	63	-76.3%	376	70	-81.4%
<b>UPSHUR COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1	379	37800.0%	1	333	33200.0%
PROJECTED DEMAND TOTAL	379	379	0.0%	333	333	0.0%
WATER SUPPLY NEEDS TOTAL	378	0	-100.0%	332	0	-100.0%
<b>UPSHUR COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	7,002	7,916	13.1%	7,003	7,887	12.6%
PROJECTED DEMAND TOTAL	3,598	4,253	18.2%	4,467	5,278	18.2%
WATER SUPPLY NEEDS TOTAL	0	50	100.0%	291	377	29.6%
<b>VAN ZANDT COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	4,458	3,715	-16.7%	5,144	4,121	-19.9%
PROJECTED DEMAND TOTAL	2,780	1,421	-48.9%	3,422	1,698	-50.4%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>VAN ZANDT COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	107	273	155.1%	107	273	155.1%
PROJECTED DEMAND TOTAL	437	500	14.4%	437	500	14.4%
WATER SUPPLY NEEDS TOTAL	330	227	-31.2%	330	227	-31.2%
<b>VAN ZANDT COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	2,928	2,928	0.0%	2,923	2,923	0.0%
PROJECTED DEMAND TOTAL	2,172	1,889	-13.0%	2,172	1,889	-13.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>VAN ZANDT COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	523	523	0.0%	641	641	0.0%
PROJECTED DEMAND TOTAL	681	506	-25.7%	928	757	-18.4%
WATER SUPPLY NEEDS TOTAL	158	0	-100.0%	287	116	-59.6%
<b>VAN ZANDT COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	2,146	3,316	54.5%	2,984	4,154	39.2%
PROJECTED DEMAND TOTAL	300	300	0.0%	470	470	0.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>VAN ZANDT COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	7,241	9,069	25.2%	9,853	11,673	18.5%
PROJECTED DEMAND TOTAL	3,958	5,249	32.6%	5,033	6,682	32.8%
WATER SUPPLY NEEDS TOTAL	13	74	469.2%	199	340	70.9%
<b>WOOD COUNTY   COUNTY-OTHER WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	4,413	4,413	0.0%	4,461	4,461	0.0%
PROJECTED DEMAND TOTAL	477	288	-39.6%	515	222	-56.9%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%

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

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<b>WOOD COUNTY   IRRIGATION WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	940	940	0.0%	940	940	0.0%
PROJECTED DEMAND TOTAL	721	489	-32.2%	721	489	-32.2%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>WOOD COUNTY   LIVESTOCK WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	2,092	2,092	0.0%	2,092	2,092	0.0%
PROJECTED DEMAND TOTAL	1,810	3,224	78.1%	1,810	3,224	78.1%
WATER SUPPLY NEEDS TOTAL	0	1,132	100.0%	0	1,132	100.0%
<b>WOOD COUNTY   MANUFACTURING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	1,502	1,502	0.0%	1,502	1,502	0.0%
PROJECTED DEMAND TOTAL	759	2,532	233.6%	1,004	3,085	207.3%
WATER SUPPLY NEEDS TOTAL	0	1,030	100.0%	0	1,583	100.0%
<b>WOOD COUNTY   MINING WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	309	309	0.0%	328	328	0.0%
PROJECTED DEMAND TOTAL	25	25	0.0%	19	19	0.0%
WATER SUPPLY NEEDS TOTAL	0	0	0.0%	0	0	0.0%
<b>WOOD COUNTY   MUNICIPAL WUG TYPE</b>						
EXISTING WUG SUPPLY TOTAL	7,850	8,938	13.9%	8,493	9,406	10.8%
PROJECTED DEMAND TOTAL	4,627	4,871	5.3%	4,729	5,035	6.5%
WATER SUPPLY NEEDS TOTAL	0	16	100.0%	0	40	100.0%
<b>REGION D</b>						
EXISTING WUG SUPPLY TOTAL	674,967	652,876	-3.3%	660,854	661,557	0.1%
PROJECTED DEMAND TOTAL	634,172	401,419	-36.7%	956,972	479,321	-49.9%
WATER SUPPLY NEEDS TOTAL	150,192	83,447	-44.4%	410,695	122,232	-70.2%

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