

DRAFT CHAPTER 4
IDENTIFICATION OF WATER NEEDS
February 2015

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4 IDENTIFICATION OF WATER NEEDS

4.1 Introduction

Water needs are identified by finding the difference between currently available supplies developed for water users in Chapter 3 and projected demands developed in Chapter 2. Currently available supplies and demands can be defined in multiple ways yielding different levels of water needs. This chapter outlines first, second, and third tier water needs analyses, as defined below, each utilizing different definitions of supplies and demands. The Texas Water Development Board (TWDB) specifies that the currently available supplies to a water user be defined as the most restrictive of current water rights, contracts, infrastructure capacity and available yields for surface water and historical use and/or modeled available groundwater (MAG) for groundwater, henceforth called “current” supplies.

Under the First Tier water needs analysis, current surface water supplies are analyzed using the Water Availability Model (WAM) for the Colorado River Basin. Assumptions in the WAM, including the use of strict priority order, underestimates the surface water supplies for some sources in Region F. These WAM supplies are considered as the most restrictive constraint when developing the First Tier water needs. For groundwater users, the most restrictive constraint is commonly infrastructure limitation and/or the MAG values for a specific aquifer. These current supplies are then compared to the full demand scenario outlined in Chapter 2 to yield the First Tier needs analysis.

The Second Tier need analysis identifies water needs after consideration of reduced demands due to implemented conservation and direct reuse strategies. In some cases conservation frees up water that can be used to meet the needs of others.

The First and Second Tier analyses are required by TWDB. The Third Tier analysis is unique to Region F. This analysis considers surface water supplies based on a modification to the WAM which subordinates the lower portion of the Colorado basin. These available supplies with subordination are distributed to the water users and incorporated into the entity’s total available supplies. This total supply (called “subordination supplies” for the discussion of the Third Tier water needs) is then compared to the demands after conservation and reuse to provide analyses of a more realistic assessment of potential water needs. The Third Tier analysis provides an estimate of the amount of additional water needs that may require the development of infrastructure strategies.

This comparison of current water supply to demands is made for the region, county, basin, wholesale water provider, and water user group. If the projected demands for an entity exceed the current supplies,

then a shortage is identified (represented by a negative number). For some users, the supplies may exceed the demands (positive number).

Attachment 4-1 provides the TWDB required First Tier and Second Tier needs analysis by water user group and river basin. Attachment 4-2 shows a summary of all three needs analyses by wholesale water provider and water user group. The water supplies and demands shown in Attachment 4-2 include sales to customers, which differs from the values shown in Attachment 4-1. Both attachments are provided at the end of this chapter.

4.2 First Tier Water Needs Analysis

The current supply in Region F consists of groundwater, surface water, local supplies and wastewater reuse. There is a small amount of water that comes from outside the region (Regions E, G and O). The TWDB requires the use of the TCEQ's Water Availability Models (WAM) for regional water planning. Most of the water rights in Region F are in the Colorado River Basin. Chapter 3 discusses the use of the WAM models for water supply estimates and the impacts to the available supplies in the upper Colorado River Basin. Under a WAM analysis, water rights are fully allocated based on strict priority order and thus downstream senior water rights holders continuously make priority calls on major municipal water rights in Region F. Although this does not give an accurate assessment of water supplies based on the way the basin has historically been operated, TWDB requires the regional water planning groups to use the WAM to determine supplies. Therefore several sources in Region F have no supply by definition, even though in practice their supply may be greater than indicated by the WAM.

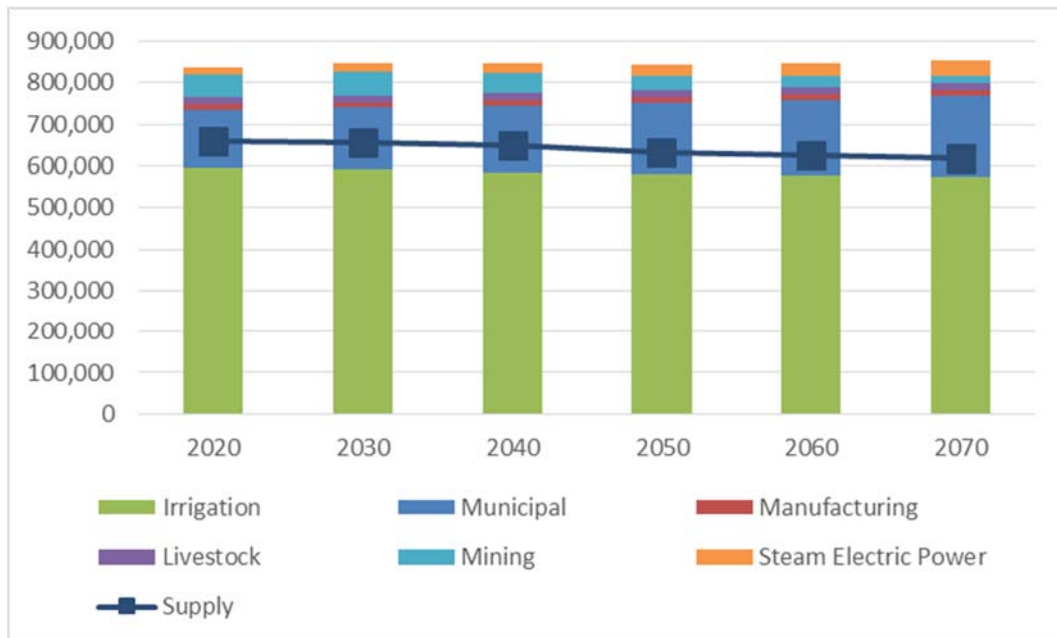
A similar concern is associated with groundwater supplies. The TWDB requires the use of the MAG values as the cap to groundwater supplies in a county. In some situations, this cap has artificially limited the amount of groundwater that is distributed to existing water users for current supplies and may not be representative of the water that is developed and currently being used. As with the surface water supplies, these restrictions may result in water needs higher than may actually occur.

For the First Tier water needs, the current supplies as evaluated in Chapter 3 are compared to the projected demands from Chapter 2 in accordance with TWDB rules. Considering only the current supplies for Region F, on a regional basis there is a projected regional shortage of over 180,000 acre-feet per year in 2020, increasing to a maximum shortage of 235,000 acre-feet per year in 2070. This is shown in Table 4-1 and graphically in Figure 4-1.

Table 4-1
Comparison of Supplies and Demands for Region F

Region F (Acre-feet)	2020	2030	2040	2050	2060	2070
Supply	657,620	656,353	648,076	633,161	624,834	618,784
Demand	837,974	847,093	845,539	844,035	846,193	853,311
Need	(180,354)	(190,740)	(197,463)	(210,874)	(221,359)	(234,527)

Figure 4-1
Region F Supplies and Demands (acre-feet per year)



On a county-basis, there are twenty one counties with shortages over the planning period. These include Andrews, Borden, Coke, Coleman, Concho, Crockett, Ector, Howard, Irion, Kimble, Martin, Mason, McCulloch, Menard, Mitchell, Runnels, Scurry, Tom Green, Ward, and Winkler. Attachment 4-1 presents First Tier water needs by water user group and county. Based on this analysis, there are significant municipal and irrigation shortages over the 50 year planning horizon. As previously discussed, many of these shortages are due to limited supply availability either in the surface water modeling (WAM Run3) or limitations set up by the MAG.

4.2.1 First Tier Water Needs for Water User Groups

A shortage occurs when current supplies are not sufficient to meet projected demands. In Region F there are 70 water user groups with identified shortages over the planning period. Of these, there are 27 cities and county-other water users in 13 counties that are projected to experience a water shortage before 2070. The largest shortages are attributed to assumptions in TCEQ WAM and the Modeled Available Groundwater (MAG).

Of the five use types, irrigation accounts for the largest percentage of the shortage. In 2020, irrigation represents 62 percent of the water needs. This percentage falls to 46 percent by 2070. Municipal users account for the second highest portion of needs in Region F. In 2020, municipal users account for 20 percent of the region's water needs. By 2070, this percentage grows to 46 percent. Figure 4-2 and Figure 4-3 show the First Tier water needs in Region F by use type in 2020 and 2070.

Figure 4-2
Region F First Tier Needs by Use Type in Year 2020

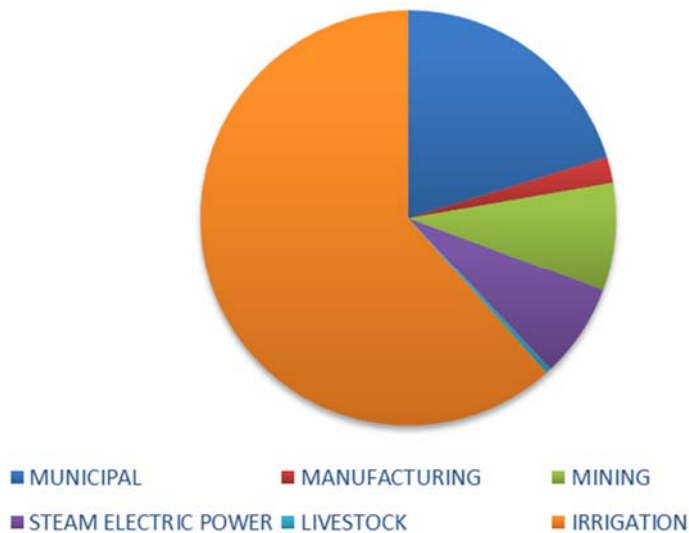
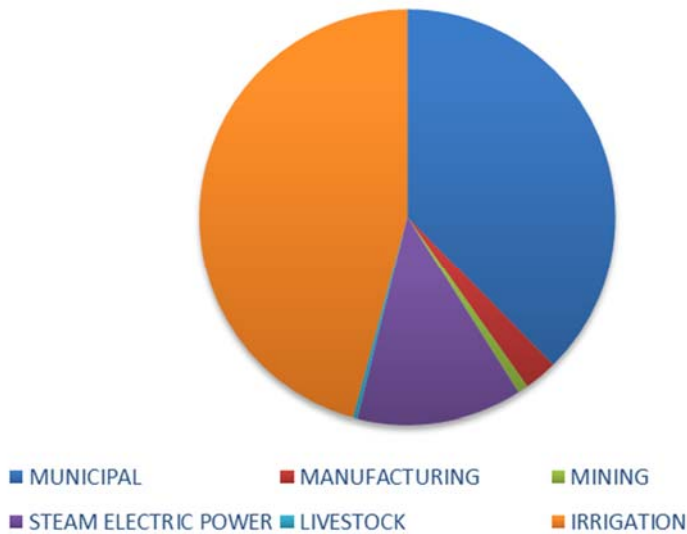


Figure 4-3
Region F First Tier Needs by Use Type in Year 2070



Identified Needs for Municipal Users

Municipal users are shown to have significant water needs throughout the planning period. Twenty seven municipal water user groups, not accounting for river basin splits, show a shortage at some point during the planning horizon. According to the WAM, the cities of Ballinger, Coleman, Junction, and Winters and their customers have no water supply. The Morgan Creek power plant has no supply to generate power. The cities of Big Spring, Bronte, Coahoma, Midland, Miles, Odessa, Robert Lee, San Angelo, Snyder and Stanton do not have sufficient water to meet current demands. The counties with the largest needs are Ector, Midland, and Tom Green counties. Much of the needs in these counties are associated with large population centers of Odessa, Midland and San Angelo.

Identified Needs for Manufacturing Users

There are seven counties showing manufacturing needs over the planning period: Coleman, Howard, Kimble, Martin, McCulloch, Runnels and Tom Green Counties. Manufacturing needs in Coleman, Howard, Runnels and Tom Green Counties are associated with needs for the cities of Coleman, Big Spring, Ballinger and San Angelo, respectively, and will be met by strategies developed for these cities.

Identified Needs for Irrigation

Irrigation shortages are identified for fifteen counties in Region F including Andrews, Borden, Brown, Coke, Coleman, Concho, Howard, Irion, Kimble, Martin, McCulloch, Menard, Runnels, Scurry, and Tom Green counties.

Identified Needs for Livestock

Livestock needs have been identified for six counties within Region F. They include Andrews, Howard, Martin, Mason, McCulloch, and Scurry. Needs in Andrews, Martin, McCulloch and Scurry county are due to limited availability of groundwater due to the MAG. Needs in Howard and Mason counties are associated with higher projected water use than historical levels.

Identified Needs for Mining

Recent significant growth in demand for mining water, particularly for oil and gas exploration, has created mining shortages throughout Region F. Andrews, Coke, Coleman, Concho, Crockett, Howard, Irion, Martin, McCulloch, Runnels, and Scurry show mining water needs.

Identified Needs for Steam Electric Power (SEP)

Coke, Crockett, Ector, Mitchell, and Ward counties all show a shortage for steam electric power (SEP) water use. The shortage in Coke County and Mitchell County is due to there being no firm yield under WAM Run 3 for Oak Creek Reservoir and Champion Lake respectively. The steam electric power plant in Crockett County has been retired and no longer operates, therefore no supply has been allocated to this use. The SEP shortages in Ector County are associated with MAG limitations in Andrews County (one of their sources of supply). Ward County SEP shortage is associated with higher projected demands than has been historically used.

4.2.1.1 Identified Needs for Wholesale Water Providers

Table 4-2 is a summary of the needs for the seven Wholesale Water Providers in Region F. Needs for CRMWD, Odessa and UCRA are primarily the result of using the Colorado WAM for water availability. Needs for University Lands are the result of contract expiration. A summary of the supply and demand comparison for each designated wholesale provider is included in Attachment 4-2.

Table 4-2
Comparison of Supplies and Demands for Wholesale Water Providers
(Values in Acre-Feet per Year)

Wholesale Water Provider	Category	2010	2020	2030	2040	2050	2060
BCWID	Supply	29,712	29,712	29,712	29,712	29,712	29,712
	Demand	15,085	15,209	15,192	15,105	15,097	15,163
	<i>Surplus (Need)</i>	14,627	14,503	14,520	14,607	14,615	14,549
CRMWD	Supply	74,485	67,935	66,585	65,235	63,885	62,535
	Demand	89,212	91,631	73,743	74,129	73,699	74,644
	<i>Surplus (Need)</i>	(14,727)	(23,696)	(7,158)	(8,894)	(9,814)	(12,109)
City of Odessa	Supply	21,606	16,688	24,372	24,503	25,055	25,084
	Demand	26,150	27,480	28,634	29,866	31,285	32,887
	<i>Surplus (Need)</i>	(4,544)	(10,792)	(4,262)	(5,363)	(6,230)	(7,803)
City of San Angelo	Supply	20,116	19,893	19,670	19,446	19,223	19,000
	Demand	50,519	51,643	52,330	52,686	53,053	53,365
	<i>Surplus (Need)</i>	(30,403)	(31,750)	(32,660)	(33,240)	(33,830)	(34,365)
Great Plains Water System	Supply	5,220	5,220	5,220	5,220	5,220	5,220
	Demand	5,220	5,220	5,220	5,220	5,220	5,220
	<i>Surplus (Need)</i>	0	0	0	0	0	0
UCRA	Supply	0	0	0	0	0	0
	Demand	3,862	3,743	3,625	3,507	3,388	3,270
	<i>Surplus (Need)</i>	(3,862)	(3,743)	(3,625)	(3,507)	(3,388)	(3,270)
University Lands	Supply	10,593	5,430	5,452	0	0	0
	Demand	10,593	10,630	10,652	5,950	5,960	5,973
	<i>Surplus (Need)</i>	0	(5,200)	(5,200)	(5,950)	(5,960)	(5,973)

Note: The demands on San Angelo include irrigation demands (26,500 ac-ft/year).

4.2.2 Summary of First Tier Water Needs

The total demands in Region F exceed the total current supply starting in 2020 by over 180,000 acre-feet. The regional need grows to 235,000 acre-feet by 2070. Most of these needs are associated with either irrigation or municipal demands. Manufacturing, mining, steam electric power and livestock needs collectively account for 18 percent of the needs in Region F. First tier water needs are largely attributed to assumptions made in the WAM model and limitations by the MAG in certain counties. Other shortages

are due to limitations of infrastructure and/or growth. The First Tier needs report provided by the TWDB is provided in Attachment 4-1 at the end of this chapter. Further review of the region's options and strategies to meet shortages is explored in more detail in Chapter 5 and the impacts of these strategies on water quality are discussed in Chapter 6.

4.3 Second Tier Water Needs Analysis

The Second Tier water needs analysis compares current supplies with demands after reductions from conservation and direct reuse. Conservation and direct reuse are both considered water management strategies and are discussed further in Chapter 5. The Second Tier needs report provided by TWDB is provided in Attachment 4-1 at the end of this chapter.

4.3.1 Summary of Second Tier Water Needs

Under the Second Tier water needs analysis municipal water needs were reduced through conservation and direct reuse supplies. Conservation was considered for all municipal and irrigation water users. Recycling of water was considered for all mining water user groups. More detail on each of these strategies can be found in Chapter 5 and Appendix X. The plan assumes that a significant reduction in water needs could potentially be achieved through conservation. The water needs for irrigation have the greatest potential for needs reduction. The realization of these water use reductions is contingent upon the implementation of conservation strategies by individual water users and producers.

4.4 Third Tier Water Needs Analysis

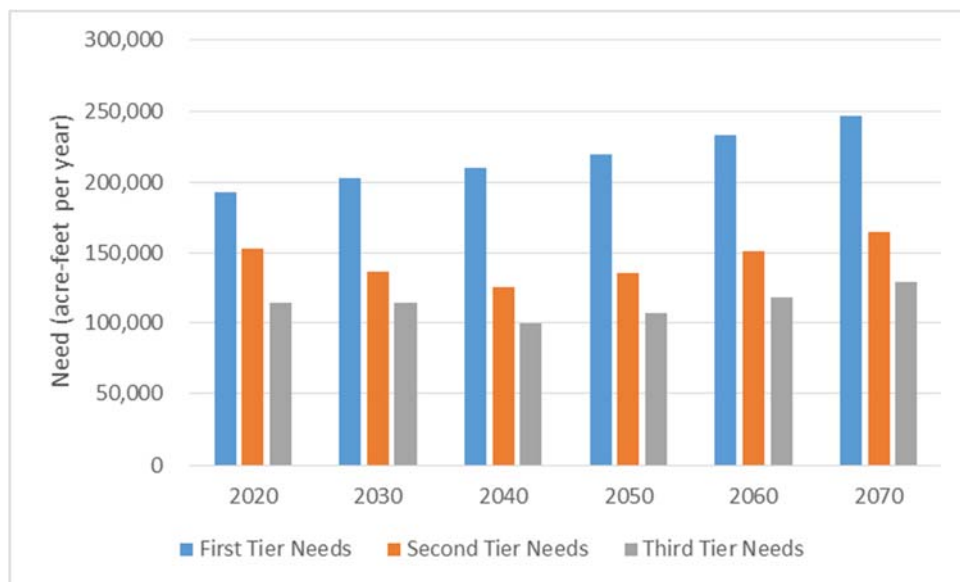
Because the TCEQ WAM does not give an accurate assessment of water supplies based on the way the basin has historically been operated, Region F has developed a water management strategy called subordination. Subordination assumes that downstream senior water rights do not make priority calls on Region F water rights in the upper Colorado Basin, which provides a more realistic assessment of surface water supplies in the upper Colorado River Basin.

The Third Tier water needs analysis compares the subordination supplies (total current supplies with the subordinated surface water supplies) and the demands after conservation and reuse. The results of the Third Tier water needs analysis is what was used to determine a water user group or wholesale water provider's need for additional water management strategies.

4.4.1 Summary of Third Tier Water Needs

Implementation of the subordination strategy eliminates many of the needs shown in under the First and Second Tier needs analysis. Eleven water user groups (WUGs) show no needs after subordination: Brady, Ballinger, Coleman, Coleman County-Other, Coleman County Irrigation, Coleman County Manufacturing, Miles, Odessa, Big Spring, Snyder, and Stanton. However, there are seven municipal WUGs that do not have sufficient supplies even with the subordination strategy: Bronte, Junction, Midland, Millersview-Doole WSC, San Angelo, Robert Lee, and Winters. There are six non-municipal WUGs for whom subordination does not meet their needs: Coke County Mining and Steam Electric Power, Howard County Mining, Mitchell County Steam Electric Power, Runnels County Manufacturing, and Tom Green Manufacturing. WUGs that do not utilize any surface water sources are not impacted by subordination and continue to show needs throughout the planning period. Figure 4-4 compares the First, Second and Third Tier water needs in Region F throughout the planning cycle. The needs are fifty to sixty percent lower after conservation, reuse, and subordination (Third Tier needs) than they are under strict WAM analysis (First Tier needs). Attachment 4-2 shows the summary of each water user group and wholesale provider’s demands, current supplies, conservation supplies, subordination supplies and Third Tier water needs.

Figure 4-4
Comparison of First, Second, and Third Tier Water Needs in Region F



4.5 Socio-Economic Impacts of Not Meeting Projected Shortages

To be included when the TWDB provides the report.

ATTACHMENT 4-1

WUG (NEEDS)/SURPLUS

REGION F	WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
ANDREWS COUNTY						
COLORADO BASIN						
ANDREWS	(1,587)	(2,296)	(2,857)	(4,474)	(6,194)	(7,475)
COUNTY-OTHER	(208)	(256)	(291)	(354)	(452)	(484)
MANUFACTURING	(18)	(23)	(27)	(38)	(48)	(54)
MINING	(2,407)	(2,458)	(2,473)	(1,921)	(1,488)	(1,073)
LIVESTOCK	(65)	(80)	(88)	(105)	(131)	(131)
IRRIGATION	(26,954)	(27,615)	(27,794)	(28,578)	(29,953)	(29,658)
RIO GRANDE BASIN						
COUNTY-OTHER	0	0	0	(2)	(2)	(2)
MINING	(204)	(206)	(205)	(161)	(124)	(93)
LIVESTOCK	(35)	(35)	(35)	(35)	(35)	(35)
IRRIGATION	(1,468)	(1,464)	(1,451)	(1,438)	(1,425)	(1,412)
BORDEN COUNTY						
BRAZOS BASIN						
COUNTY-OTHER	10	9	9	9	10	10
LIVESTOCK	(17)	(17)	(17)	(17)	(17)	(17)
IRRIGATION	(861)	(859)	(856)	(854)	(853)	(853)
COLORADO BASIN						
COUNTY-OTHER	(10)	(9)	(7)	(7)	(8)	(8)
MINING	0	0	0	0	0	0
LIVESTOCK	17	17	17	17	17	17
IRRIGATION	(2,382)	(2,377)	(2,375)	(2,370)	(2,367)	(2,364)
BROWN COUNTY						
BRAZOS BASIN						
COUNTY-OTHER	0	0	0	0	0	0
LIVESTOCK	13	13	13	13	13	13
IRRIGATION	(445)	(443)	(442)	(440)	(438)	(437)
COLORADO BASIN						
BANGS	0	0	0	0	0	0
BROOKESMITH SUD	0	0	0	0	0	0
BROWNWOOD	0	0	0	0	0	0
COLEMAN COUNTY SUD	(8)	(8)	(8)	(8)	(8)	(8)
EARLY	0	0	0	0	0	0
ZEPHYR WSC	0	0	0	0	0	0
COUNTY-OTHER	7	7	7	7	7	7
MANUFACTURING	0	0	0	0	0	0
MINING	0	0	0	0	0	0
LIVESTOCK	2	2	2	2	2	2
IRRIGATION	(2,660)	(2,636)	(2,607)	(2,577)	(2,543)	(2,509)
COKE COUNTY						
COLORADO BASIN						
BRONTE	(184)	(182)	(181)	(180)	(180)	(180)
ROBERT LEE	(245)	(240)	(238)	(237)	(237)	(237)
COUNTY-OTHER	(49)	(46)	(44)	(43)	(43)	(43)
MINING	(318)	(312)	(260)	(206)	(158)	(116)
STEAM ELECTRIC POWER	(247)	(289)	(339)	(401)	(477)	(528)
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	(202)	(200)	(199)	(199)	(199)	(199)

WUG (NEEDS)/SURPLUS

REGION F	WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
COLEMAN COUNTY						
COLORADO BASIN						
BROOKESMITH SUD	0	0	0	0	0	0
COLEMAN	(822)	(815)	(796)	(794)	(792)	(792)
COLEMAN COUNTY SUD	(182)	(180)	(174)	(172)	(171)	(170)
SANTA ANNA	0	0	0	0	0	0
COUNTY-OTHER	(24)	(23)	(23)	(23)	(22)	(22)
MANUFACTURING	(9)	(9)	(9)	(9)	(9)	(9)
MINING	(62)	(61)	(51)	(40)	(31)	(23)
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	(743)	(743)	(743)	(743)	(743)	(743)
CONCHO COUNTY						
COLORADO BASIN						
EDEN	0	0	0	0	0	0
MILLERSVIEW-DOOLE WSC	15	30	25	(34)	(34)	(35)
COUNTY-OTHER	2	2	2	2	2	2
MINING	(212)	(206)	(154)	(99)	(52)	(11)
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	(5,249)	(5,208)	(5,169)	(5,133)	(5,097)	(5,061)
CRANE COUNTY						
RIO GRANDE BASIN						
CRANE	0	0	0	0	0	0
COUNTY-OTHER	0	0	0	0	0	0
MINING	0	0	0	0	0	0
LIVESTOCK	0	0	0	0	0	0
CROCKETT COUNTY						
COLORADO BASIN						
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	0	0	0	0	0	1
RIO GRANDE BASIN						
CROCKETT COUNTY WCID #1	0	0	0	0	0	0
COUNTY-OTHER	0	0	0	0	0	0
MINING	(1,182)	(1,293)	(711)	(132)	0	0
STEAM ELECTRIC POWER	(776)	(907)	(1,067)	(1,262)	(1,500)	(1,662)
LIVESTOCK	14	14	14	14	14	14
IRRIGATION	12	12	12	12	12	11
ECTOR COUNTY						
COLORADO BASIN						
ECTOR COUNTY UD	(872)	(567)	(767)	(991)	(1,230)	(1,480)
GREATER GARDENDALE WSC	0	0	0	0	0	0
ODESSA	(11,024)	(7,687)	(10,012)	(12,604)	(15,438)	(18,384)
COUNTY-OTHER	(208)	3	(346)	(746)	(1,166)	(1,586)
MANUFACTURING	1,267	1,405	1,357	1,316	1,275	1,173
MINING	53	(35)	(112)	(149)	(173)	(219)
STEAM ELECTRIC POWER	(6,619)	(8,263)	(10,165)	(12,604)	(15,597)	(19,033)
LIVESTOCK	(22)	(22)	(22)	(22)	(22)	(22)
IRRIGATION	1,066	1,296	1,437	1,502	1,548	1,516
RIO GRANDE BASIN						
COUNTY-OTHER	5	(21)	(50)	(81)	(113)	(146)

WUG (NEEDS)/SURPLUS

REGION F	WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
ECTOR COUNTY						
RIO GRANDE BASIN						
MANUFACTURING	(187)	(205)	(221)	(233)	(246)	(259)
MINING	218	205	221	244	240	219
LIVESTOCK	22	22	22	22	22	22
IRRIGATION	(97)	(96)	(94)	(101)	(112)	(135)
GLASSCOCK COUNTY						
COLORADO BASIN						
COUNTY-OTHER	0	0	0	0	0	0
MINING	0	0	0	0	0	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	0	0	0	0	0	0
HOWARD COUNTY						
COLORADO BASIN						
BIG SPRING	(2,887)	(1,728)	(2,115)	(2,454)	(2,775)	(3,058)
COAHOMA	(87)	(50)	(63)	(74)	(84)	(92)
COUNTY-OTHER	(449)	(485)	(480)	(478)	(475)	(475)
MANUFACTURING	(1,319)	(1,185)	(1,399)	(1,587)	(1,859)	(2,132)
MINING	(2,328)	(2,591)	(1,784)	(982)	(320)	(43)
LIVESTOCK	(114)	(129)	(129)	(129)	(129)	(129)
IRRIGATION	(3,233)	(3,415)	(3,337)	(3,260)	(3,183)	(3,107)
IRION COUNTY						
COLORADO BASIN						
MERTZON	0	0	0	0	0	0
COUNTY-OTHER	0	0	0	0	0	0
MINING	(1,819)	(1,984)	(1,050)	(114)	0	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	(359)	(359)	(359)	(359)	(359)	(359)
KIMBLE COUNTY						
COLORADO BASIN						
JUNCTION	(627)	(620)	(610)	(605)	(604)	(604)
COUNTY-OTHER	(13)	(12)	(12)	(12)	(12)	(12)
MANUFACTURING	(699)	(750)	(802)	(850)	(914)	(983)
MINING	0	0	0	0	0	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	(1,496)	(1,387)	(1,275)	(1,163)	(1,058)	(957)
LOVING COUNTY						
RIO GRANDE BASIN						
COUNTY-OTHER	0	0	0	0	0	0
MINING	0	0	0	0	0	0
LIVESTOCK	0	0	0	0	0	0
MARTIN COUNTY						
COLORADO BASIN						
STANTON	(245)	(150)	(193)	(239)	(282)	(320)
COUNTY-OTHER	(211)	(222)	(216)	(233)	(239)	(243)
MANUFACTURING	(25)	(26)	(25)	(26)	(28)	(29)
MINING	(3,039)	(2,503)	(1,710)	(926)	(249)	118
LIVESTOCK	(38)	(37)	(35)	(36)	(36)	(35)
IRRIGATION	(25,157)	(24,552)	(23,084)	(23,231)	(22,640)	(22,044)

WUG (NEEDS)/SURPLUS

REGION F	WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MASON COUNTY						
COLORADO BASIN						
MASON	0	0	0	0	0	0
COUNTY-OTHER	0	0	0	0	0	0
MINING	0	0	0	0	0	0
LIVESTOCK	(264)	(264)	(264)	(264)	(264)	(264)
IRRIGATION	59	59	59	59	59	59
MCCULLOCH COUNTY						
COLORADO BASIN						
BRADY	(788)	(816)	(792)	(799)	(800)	(803)
MILLERSVIEW-DOOLE WSC	21	49	40	(55)	(56)	(58)
RICHLAND SUD	137	133	136	140	137	134
COUNTY-OTHER	(35)	(36)	(35)	(36)	(36)	(36)
MANUFACTURING	(201)	(217)	(230)	(241)	(261)	(284)
MINING	(3,618)	(3,066)	(1,438)	(472)	(281)	(244)
LIVESTOCK	(24)	(24)	(24)	(24)	(24)	(24)
IRRIGATION	(2,184)	(2,138)	(2,081)	(2,031)	(1,986)	(1,944)
MENARD COUNTY						
COLORADO BASIN						
MENARD	(210)	(202)	(196)	(195)	(195)	(195)
COUNTY-OTHER	0	0	0	0	0	0
MANUFACTURING	0	0	0	0	0	0
MINING	0	0	0	0	0	0
LIVESTOCK	18	18	18	18	18	18
IRRIGATION	(426)	(418)	(410)	(401)	(393)	(385)
MIDLAND COUNTY						
COLORADO BASIN						
GREATER GARDENDALE WSC	0	0	0	0	0	0
MIDLAND	(3,587)	(15,508)	(20,715)	(24,122)	(27,653)	(31,151)
ODESSA	(216)	(167)	(234)	(310)	(393)	(482)
COUNTY-OTHER	0	0	0	0	0	0
MANUFACTURING	0	0	0	0	0	0
MINING	0	0	0	0	0	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	0	0	0	0	0	0
MITCHELL COUNTY						
COLORADO BASIN						
COLORADO CITY	0	0	0	0	0	0
LORAIN	0	0	0	0	0	0
COUNTY-OTHER	0	0	0	0	0	0
MINING	0	0	0	0	0	0
STEAM ELECTRIC POWER	(4,847)	(4,670)	(4,493)	(4,317)	(4,140)	(3,994)
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	0	0	0	0	0	0
PECOS COUNTY						
RIO GRANDE BASIN						
FORT STOCKTON	0	0	0	0	0	0
IRAAN	0	0	0	0	0	0
PECOS COUNTY WCID #1	0	0	0	0	0	0

WUG (NEEDS)/SURPLUS

REGION F	WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
PECOS COUNTY						
RIO GRANDE BASIN						
COUNTY-OTHER	0	0	0	0	0	0
MANUFACTURING	0	0	0	0	0	0
MINING	0	0	0	0	0	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	5	6	7	8	9	10
REAGAN COUNTY						
COLORADO BASIN						
BIG LAKE	0	0	0	0	0	0
COUNTY-OTHER	0	0	0	0	0	0
MINING	0	0	0	0	0	0
LIVESTOCK	11	11	11	11	11	11
IRRIGATION	0	0	0	0	0	0
RIO GRANDE BASIN						
MINING	15	15	15	15	15	15
LIVESTOCK	0	0	0	0	0	0
REEVES COUNTY						
RIO GRANDE BASIN						
MADERA VALLEY WSC	0	0	0	0	0	0
PECOS	0	0	0	0	0	0
COUNTY-OTHER	0	0	0	0	0	0
MANUFACTURING	0	0	0	0	0	0
MINING	0	0	0	0	0	0
LIVESTOCK	1	1	1	1	1	1
IRRIGATION	0	0	0	0	0	0
RUNNELS COUNTY						
COLORADO BASIN						
BALLINGER	(516)	(451)	(454)	(669)	(668)	(668)
COLEMAN COUNTY SUD	(7)	(7)	(7)	(6)	(6)	(6)
MILES	(112)	(124)	(121)	(119)	(119)	(119)
MILLERSVIEW-DOOLE WSC	15	34	28	(38)	(39)	(40)
WINTERS	(216)	(207)	(197)	(196)	(195)	(195)
COUNTY-OTHER	(201)	(193)	(195)	(224)	(224)	(224)
MANUFACTURING	(46)	(49)	(53)	(59)	(64)	(69)
MINING	(95)	(92)	(63)	(33)	(7)	16
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	(1,642)	(1,624)	(1,606)	(1,588)	(1,570)	(1,552)
SCHLEICHER COUNTY						
COLORADO BASIN						
ELDORADO	0	0	0	0	0	0
COUNTY-OTHER	14	19	22	24	25	25
MINING	34	41	32	22	14	8
LIVESTOCK	17	17	17	17	17	17
IRRIGATION	0	0	0	0	0	0
RIO GRANDE BASIN						
COUNTY-OTHER	9	7	6	5	5	5
MINING	6	0	4	8	2	2
LIVESTOCK	0	0	0	0	0	0

WUG (NEEDS)/SURPLUS

REGION F	WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
SCHLEICHER COUNTY						
RIO GRANDE BASIN						
IRRIGATION	0	0	0	0	0	0
SCURRY COUNTY						
BRAZOS BASIN						
COUNTY-OTHER	(218)	(237)	(248)	(263)	(281)	(301)
MINING	(66)	(116)	(123)	(90)	(57)	(35)
LIVESTOCK	(18)	(18)	(18)	(18)	(18)	(19)
IRRIGATION	(1,479)	(1,422)	(1,365)	(1,310)	(1,256)	(1,206)
COLORADO BASIN						
SNYDER	(858)	(473)	(657)	(871)	(1,089)	(1,316)
COUNTY-OTHER	(231)	(177)	(214)	(255)	(301)	(347)
MANUFACTURING	0	0	0	0	0	0
MINING	(166)	(292)	(312)	(226)	(143)	(86)
LIVESTOCK	(74)	(74)	(74)	(73)	(73)	(72)
IRRIGATION	(4,842)	(4,657)	(4,473)	(4,293)	(4,121)	(3,959)
STERLING COUNTY						
COLORADO BASIN						
STERLING CITY	0	0	0	0	0	0
COUNTY-OTHER	0	0	0	0	0	0
MINING	0	0	0	0	0	0
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	0	0	0	0	0	0
SUTTON COUNTY						
COLORADO BASIN						
COUNTY-OTHER	0	0	0	0	0	0
MINING	0	0	0	0	0	0
LIVESTOCK	(23)	(23)	(23)	(23)	(23)	(23)
IRRIGATION	(160)	(175)	(174)	(158)	(142)	(130)
RIO GRANDE BASIN						
SONORA	0	0	0	0	0	0
COUNTY-OTHER	0	0	0	0	0	0
MINING	0	0	0	0	0	0
LIVESTOCK	92	92	92	92	92	92
IRRIGATION	182	178	174	171	167	164
TOM GREEN COUNTY						
COLORADO BASIN						
CONCHO RURAL WATER CORPORATION	69	59	48	35	17	0
MILLERSVIEW-DOOLE WSC	37	87	76	(106)	(112)	(118)
SAN ANGELO	(9,250)	(11,156)	(12,167)	(16,597)	(14,870)	(16,462)
COUNTY-OTHER	(556)	(573)	(629)	(678)	(724)	(768)
MANUFACTURING	(1,211)	(1,459)	(1,657)	(1,853)	(2,094)	(2,357)
MINING	0	0	0	0	0	0
LIVESTOCK	17	17	17	17	17	17
IRRIGATION	(31,451)	(31,222)	(31,043)	(30,861)	(30,632)	(30,404)
UPTON COUNTY						
COLORADO BASIN						
COUNTY-OTHER	12	11	10	10	9	9
MINING	0	2	10	28	19	37

WUG (NEEDS)/SURPLUS

REGION F	WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
UPTON COUNTY						
COLORADO BASIN						
LIVESTOCK	69	69	69	69	69	69
IRRIGATION	(286)	(281)	(277)	(274)	(269)	(265)
RIO GRANDE BASIN						
MCCAMEY	(326)	(377)	(399)	(428)	(445)	(458)
RANKIN	(145)	(156)	(156)	(160)	(160)	(147)
COUNTY-OTHER	36	33	33	32	31	30
MINING	13	14	67	96	81	100
LIVESTOCK	(69)	(69)	(69)	(69)	(69)	(69)
IRRIGATION	286	281	277	274	269	265
WARD COUNTY						
RIO GRANDE BASIN						
MONAHANS	0	0	0	0	0	0
COUNTY-OTHER	80	109	100	91	83	76
MANUFACTURING	0	0	0	0	0	0
MINING	0	0	0	0	0	0
STEAM ELECTRIC POWER	(1,079)	(1,718)	(2,496)	(3,445)	(4,603)	(5,569)
LIVESTOCK	0	0	0	0	0	0
IRRIGATION	382	452	522	592	661	729
WINKLER COUNTY						
COLORADO BASIN						
LIVESTOCK	0	0	0	0	0	0
RIO GRANDE BASIN						
KERMIT	0	0	0	0	0	0
WINK	0	0	0	0	0	0
COUNTY-OTHER	0	(104)	(190)	(282)	(357)	(421)
MINING	0	0	0	0	0	0
LIVESTOCK	38	38	38	38	38	38
IRRIGATION	0	0	0	0	0	0

ATTACHMENT 4-2

Wholesale Water Providers

Brown County Water Conservation and Improvement District (BCWID)

	2020	2030	2040	2050	2060	2070
Demands	11,999	12,025	11,942	11,912	11,963	12,035
Current Supply	18,760	18,620	18,480	18,340	18,200	18,060
Conservation Supply	220	225	225	225	225	225
Subordination Supply	6,981	6,693	6,405	6,117	5,829	5,540
Surplus (Need)	13,962	13,513	13,168	12,770	12,291	11,790

Colorado River Municipal Water District (CRMWD)

	2020	2030	2040	2050	2060	2070
Demands	75,664	59,299	61,790	64,458	66,742	69,472
Current Supply	47,783	46,768	45,786	44,745	43,731	42,718
Conservation Supply	1,071	1,213	1,330	1,472	1,593	1,740
Subordination Supply	33,408	33,365	33,322	33,279	33,236	33,198
Surplus (Need)	6,598	22,047	18,648	15,038	11,818	8,184

Great Plains

	2020	2030	2040	2050	2060	2070
Demands	5,554	5,129	3,829	3,829	3,829	3,829
Current Supply	4,063	3,616	2,888	2,757	2,558	2,556
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(1,491)	(1,513)	(941)	(1,072)	(1,271)	(1,273)

Odessa

	2020	2030	2040	2050	2060	2070
Demands	31,019	34,023	36,931	39,964	43,268	46,740
Current Supply	19,348	26,500	26,785	26,911	27,054	27,161
Conservation Supply	799	919	1,026	1,161	1,277	1,393
Subordination Supply	11,671	7,523	10,146	13,053	16,214	19,491
Surplus (Need)	799	919	1,026	1,161	1,277	1,305

San Angelo

	2020	2030	2040	2050	2060	2070
Demands	41,131	43,117	44,190	45,464	47,013	48,696
Current Supply	18,670	18,502	18,366	18,214	18,049	17,877
Conservation Supply	656	753	793	842	894	949
Subordination Supply	3,699	3,494	3,305	3,115	2,922	2,732
Surplus (Need)	(18,106)	(20,368)	(21,726)	(23,293)	(25,148)	(27,138)

University Lands

	2020	2030	2040	2050	2060	2070
Demands	10,906	11,078	6,511	6,696	6,916	7,172
Current Supply	7,883	7,710	5,689	5,637	5,556	5,555
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(3,023)	(3,368)	(822)	(1,059)	(1,360)	(1,617)

Upper Colorado River Authority (UCRA)

	2020	2030	2040	2050	2060	2070
Demands	337	349	346	344	344	344
Current Supply	0	0	0	0	0	0
Conservation Supply	5	6	6	6	6	6
Subordination Supply	337	349	346	344	344	344
Surplus (Need)	5	6	6	6	6	6

Andrews County

Andrews

	2020	2030	2040	2050	2060	2070
Demands	4,319	5,183	5,961	6,890	7,992	9,276
Current Supply	2,714	2,864	3,077	2,378	1,750	1,747
Conservation Supply	82	99	136	157	183	213
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(1,523)	(2,220)	(2,748)	(4,355)	(6,059)	(7,316)

Andrews County-Other (Self Supplied)

	2020	2030	2040	2050	2060	2070
Demands	501	534	569	609	655	700
Current Supply	291	276	276	252	200	213
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(210)	(258)	(293)	(357)	(455)	(487)

Andrews County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	37,898	37,579	37,258	36,939	36,621	36,306
Current Supply	9,478	8,502	8,015	6,924	5,244	5,237
Conservation Supply	1,895	3,758	3,726	3,726	3,726	3,726
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(26,525)	(25,319)	(25,517)	(26,289)	(27,651)	(27,343)

Andrews County Livestock

	2020	2030	2040	2050	2060	2070
Demands	325	325	325	325	325	325
Current Supply	225	210	202	185	159	159
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(100)	(115)	(123)	(140)	(166)	(166)

Andrews County Mining

	2020	2030	2040	2050	2060	2070
Demands	3,959	3,710	3,177	2,509	1,929	1,483
Current Supply	1,348	1,046	499	427	317	317
Conservation Supply	277	260	222	176	135	104
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(2,334)	(2,404)	(2,456)	(1,906)	(1,477)	(1,062)

Andrews County Manufacturing

	2020	2030	2040	2050	2060	2070
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All manufacturing demand is associated with the City of Andrews. The manufacturing need is included in the City of Andrew's need.

Borden County

Borden County-Other

	2020	2030	2040	2050	2060	2070
Demands	178	178	176	176	175	175
Current Supply	178	178	176	176	175	175
Conservation Supply	4	4	4	4	4	4
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	4	4	4	4	4	4

Borden County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	4,000	3,993	3,990	3,983	3,980	3,977
Current Supply	757	757	759	759	760	760
Conservation Supply	200	399	399	399	399	399
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(3,043)	(2,837)	(2,832)	(2,825)	(2,821)	(2,818)

Borden County Livestock

	2020	2030	2040	2050	2060	2070
Demands	250	250	250	250	250	250
Current Supply	250	250	250	250	250	250
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Borden County Mining

	2020	2030	2040	2050	2060	2070
Demands	679	927	784	494	244	121
Current Supply	679	927	784	494	244	121
Conservation Supply	48	65	55	35	17	8
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	48	65	55	35	17	8

Brown County

Bangs

	2020	2030	2040	2050	2060	2070
Demands	207	204	198	195	194	194
Current Supply	207	204	198	195	194	194
Conservation Supply	9	9	9	9	9	9
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	9	9	9	9	9	9

Brookesmith SUD

	2020	2030	2040	2050	2060	2070
Demands	1,199	1,195	1,170	1,156	1,153	1,153
Current Supply	1,199	1,195	1,170	1,156	1,153	1,153
Conservation Supply	44	45	45	45	45	45
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	44	45	45	45	45	45

Brownwood

	2020	2030	2040	2050	2060	2070
Demands	3,880	3,875	3,802	3,761	3,754	3,754
Current Supply	3,880	3,875	3,802	3,761	3,754	3,754
Conservation Supply	126	129	129	129	129	129
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	126	129	129	129	129	129

Coleman County SUD

	2020	2030	2040	2050	2060	2070
Demands	427	422	411	404	404	405
Current Supply	214	211	206	202	202	203
Conservation Supply	19	19	19	19	19	19
Subordination Supply (Sales from Coleman)	214	211	206	202	202	203
Surplus (Need)	20	19	20	19	19	20

Santa Anna

	2020	2030	2040	2050	2060	2070
Demands	157	155	150	150	149	149
Current Supply	157	155	150	150	149	149
Conservation Supply	6	6	6	6	6	6
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	6	6	6	6	6	6

Early

	2020	2030	2040	2050	2060	2070
Demands	290	285	275	269	268	268
Current Supply	290	285	275	269	268	268
Conservation Supply	16	16	16	16	16	16
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	16	16	16	16	16	16

Brown County

Zephyr WSC

	2020	2030	2040	2050	2060	2070
Demands	379	374	364	359	357	357
Current Supply	379	374	364	359	357	357
Conservation Supply	25	26	26	26	26	26
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	25	26	26	26	26	26

Brown County-Other

	2020	2030	2040	2050	2060	2070
Demands	204	206	205	204	203	203
Current Supply	204	206	205	204	203	203
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Brown County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	9,435	9,403	9,371	9,338	9,306	9,275
Current Supply	6,337	6,331	6,329	6,328	6,332	6,336
Conservation Supply	472	752	750	750	750	750
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(2,626)	(2,320)	(2,292)	(2,260)	(2,224)	(2,189)

Brown County Livestock

	2020	2030	2040	2050	2060	2070
Demands	1,353	1,353	1,353	1,353	1,353	1,353
Current Supply	1,368	1,368	1,368	1,368	1,368	1,368
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	15	15	15	15	15	15

Brown County Mining

	2020	2030	2040	2050	2060	2070
Demands	943	948	951	952	948	944
Current Supply	943	948	951	952	948	944
Conservation Supply	66	66	67	67	66	66
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	66	66	67	67	66	66

Brown County Manufacturing

	2020	2030	2040	2050	2060	2070
Demands	673	726	777	820	886	957
Current Supply	673	726	777	820	886	957
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Coke County

Bronte

	2020	2030	2040	2050	2060	2070
Demands	476	472	468	466	466	466
Current Supply	129	125	121	120	120	120
Conservation Supply	5	5	5	5	5	5
Subordination Supply	Need to update after allocation #s from Reg G					
Surplus (Need)	(342)	(342)	(342)	(341)	(341)	(341)

Robert Lee

	2020	2030	2040	2050	2060	2070
Demands	299	291	287	285	285	285
Current Supply	66	64	63	63	63	63
Conservation Supply	6	6	6	6	6	6
Subordination Supply	Need to update after allocation #s from Reg G					
Surplus (Need)	(227)	(221)	(218)	(216)	(216)	(216)

Remaining Coke County-Other

	2020	2030	2040	2050	2060	2070
Demands	112	106	101	99	99	99
Current Supply	63	60	57	56	56	56
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(49)	(46)	(44)	(43)	(43)	(43)

Coke County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	965	963	962	962	962	962
Current Supply	763	763	763	763	763	763
Conservation Supply	48	96	115	115	115	115
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(154)	(104)	(84)	(84)	(84)	(84)

Coke County Livestock

	2020	2030	2040	2050	2060	2070
Demands	431	431	431	431	431	431
Current Supply	431	431	431	431	431	431
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Coke County Mining

	2020	2030	2040	2050	2060	2070
Demands	488	482	430	376	328	286
Current Supply	170	170	170	170	170	170
Conservation Supply	34	34	30	26	23	20
Subordination Supply	38	36	34	32	30	28
Surplus (Need)	(246)	(242)	(196)	(148)	(105)	(68)

Coke County Steam Electric Power

	2020	2030	2040	2050	2060	2070
Demands	247	289	339	401	477	528
Current Supply	0	0	0	0	0	0
Conservation Supply	0	0	0	0	0	0
Subordination Supply	need subordination supplies from Region G (Sweetwater)					
Surplus (Need)	(247)	(289)	(339)	(401)	(477)	(528)

Coleman County

Coleman

	2020	2030	2040	2050	2060	2070
Demands	1,052	1,041	1,017	1,011	1,008	1,008
Current Supply	0	0	0	0	0	0
Conservation Supply	26	27	27	27	27	27
Subordination Supply	2,316	2,272	2,230	2,187	2,140	2,094
Surplus (Need)	1,290	1,258	1,240	1,203	1,159	1,113

Coleman County Other

	2020	2030	2040	2050	2060	2070
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All county-other demand is associated with the City of Coleman. The county-other need is included in the City of Coleman's need.

Coleman County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	770	770	770	770	770	770
Current Supply	27	27	27	27	27	27
Conservation Supply	39	77	77	77	77	77
Subordination Supply	743	743	743	743	743	743
Surplus (Need)	39	77	77	77	77	77

Coleman County Livestock

	2020	2030	2040	2050	2060	2070
Demands	1,076	1,076	1,076	1,076	1,076	1,076
Current Supply	1,076	1,076	1,076	1,076	1,076	1,076
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Coleman County Manufacturing (All demand associated with City of Coleman)

Coleman County Mining

	2020	2030	2040	2050	2060	2070
Demands	108	107	97	86	77	69
Current Supply	46	46	46	46	46	46
Conservation Supply	8	7	7	6	5	5
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(54)	(54)	(44)	(34)	(26)	(18)

Concho County

Eden

	2020	2030	2040	2050	2060	2070
Demands	490	488	480	476	475	475
Current Supply	490	488	480	476	475	475
Conservation Supply	16	16	16	16	16	16
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	16	16	16	16	16	16

Concho County-Other (Remaining)

	2020	2030	2040	2050	2060	2070
Demands	86	85	84	82	82	82
Current Supply	86	85	84	82	82	82
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Concho County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	9,734	9,693	9,654	9,618	9,582	9,546
Current Supply	4,485	4,485	4,485	4,485	4,485	4,485
Conservation Supply	487	969	1,062	1,062	1,062	1,062
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(4,762)	(4,239)	(4,107)	(4,071)	(4,035)	(3,999)

Concho County Livestock

	2020	2030	2040	2050	2060	2070
Demands	699	699	699	699	699	699
Current Supply	699	699	699	699	699	699
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Concho County Mining

	2020	2030	2040	2050	2060	2070
Demands	480	474	422	367	320	279
Current Supply	268	268	268	268	268	268
Conservation Supply	34	33	30	26	22	20
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(178)	(173)	(124)	(73)	(30)	9

Crane County

Crane

	2020	2030	2040	2050	2060	2070
Demands	1,432	1,547	1,639	1,736	1,820	1,893
Current Supply	1,432	1,547	1,639	1,736	1,820	1,893
Conservation Supply	20	21	23	24	25	26
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	20	21	23	24	25	26

Crane County Other

	2020	2030	2040	2050	2060	2070
All Crane County-Other demand is associated with the City of Crane.						

Crane County Livestock

	2020	2030	2040	2050	2060	2070
Demands	172	172	172	172	172	172
Current Supply	172	172	172	172	172	172
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Crane County Mining

	2020	2030	2040	2050	2060	2070
Demands	617	840	861	692	531	407
Current Supply	617	840	861	692	531	407
Conservation Supply	43	59	60	48	37	28
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	43	59	60	48	37	28

Crockett County

Crockett County WCID #1

	2020	2030	2040	2050	2060	2070
Demands	1,533	1,642	1,655	1,672	1,678	1,681
Current Supply	1,533	1,642	1,655	1,672	1,678	1,681
Conservation Supply	21	23	23	24	24	24
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	21	23	23	24	24	24

Crockett County-Other

	2020	2030	2040	2050	2060	2070
Demands	28	20	19	18	17	17
Current Supply	28	20	19	18	17	17
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Crockett County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	479	470	461	455	446	437
Current Supply	479	470	461	455	446	437
Conservation Supply	24	47	69	69	69	69
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	24	47	69	69	69	69

Crockett County Livestock

	2020	2030	2040	2050	2060	2070
Demands	681	681	681	681	681	681
Current Supply	695	695	695	695	695	695
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	14	14	14	14	14	14

Crockett County Mining

	2020	2030	2040	2050	2060	2070
Demands	1,732	1,843	1,261	682	207	63
Current Supply	550	550	550	550	207	63
Conservation Supply	121	129	88	48	14	4
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(1,061)	(1,164)	(623)	(84)	14	4

Crockett Steam Electric Power

	2020	2030	2040	2050	2060	2070
Demands	776	907	1,067	1,262	1,500	1,662
Current Supply	0	0	0	0	0	0
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(776)	(907)	(1,067)	(1,262)	(1,500)	(1,662)

Ector County

Odessa

	2020	2030	2040	2050	2060	2070
Demands	31,019	34,023	36,931	39,964	43,268	46,740
Current Supply	19,348	26,500	26,785	26,911	27,054	27,161
Conservation Supply	716	825	924	1,026	1,128	1,231
Subordination Supply	11,671	7,523	10,146	13,053	16,214	19,491
Surplus (Need)	716	825	924	1,025	1,128	1,143

Greater Gardendale WSC

	2020	2030	2040	2050	2060	2070
Demands	248	270	295	324	355	388
Current Supply	248	270	295	324	355	388
Conservation Supply	16	19	21	23	26	28
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	16	19	21	23	26	28

Ector County-Other (Self-Supplied)

	2020	2030	2040	2050	2060	2070
Demands	2,306	2,555	2,835	3,124	3,416	3,704
Current Supply	2,641	2,886	2,907	2,903	2,896	2,895
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	335	331	72	(221)	(520)	(809)

Ector County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	1,432	1,415	1,397	1,380	1,362	1,345
Current Supply	2,401	2,615	2,740	2,781	2,798	2,726
Conservation Supply	72	142	210	210	210	210
Subordination Supply	189	110	134	156	178	196
Surplus (Need)	1,230	1,452	1,687	1,767	1,824	1,787

Ector County Livestock

	2020	2030	2040	2050	2060	2070
Demands	265	265	265	265	265	265
Current Supply	265	265	265	265	265	265
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Ector County Manufacturing

	2020	2030	2040	2050	2060	2070
Demands	3,454	3,643	3,809	3,936	4,070	4,209
Current Supply	4,535	4,843	4,946	5,019	5,099	5,123
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	1,081	1,200	1,137	1,083	1,029	914

Ector County Mining

	2020	2030	2040	2050	2060	2070
Demands	1,977	2,164	1,926	1,574	1,272	1,076
Current Supply	2,248	2,334	2,035	1,669	1,412	1,256
Conservation Supply	138	151	135	110	89	75
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	409	321	244	205	229	255

Ector County

Ector County Steam Electric Power

	2020	2030	2040	2050	2060	2070
Demands	9,436	11,031	12,976	15,347	18,237	21,672
Current Supply	2,817	2,768	2,811	2,743	2,640	2,639
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(6,619)	(8,263)	(10,165)	(12,604)	(15,597)	(19,033)

Glasscock County

Glasscock County-Other

	2020	2030	2040	2050	2060	2070
Demands	162	165	161	160	160	160
Current Supply	162	165	161	160	160	160
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Glasscock County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	56,707	56,252	55,796	55,339	54,887	54,439
Current Supply	56,707	56,252	55,796	55,339	54,887	54,439
Conservation Supply	2,268	2,250	2,232	2,232	2,232	2,232
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	2,268	2,250	2,232	2,232	2,232	2,232

Glasscock County Livestock

	2020	2030	2040	2050	2060	2070
Demands	262	262	262	262	262	262
Current Supply	262	262	262	262	262	262
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Glasscock County Mining

	2020	2030	2040	2050	2060	2070
Demands	3,423	3,101	2,384	1,679	1,100	798
Current Supply	3,423	3,101	2,384	1,679	1,100	798
Conservation Supply	240	217	167	118	77	56
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	240	217	167	118	77	56

Howard County

Big Spring

	2020	2030	2040	2050	2060	2070
Demands	7,832	7,974	7,987	7,935	7,925	7,924
Current Supply	4,155	5,783	5,305	4,818	4,401	4,039
Conservation Supply	181	191	193	193	193	193
Subordination Supply	3,677	2,190	2,682	3,115	3,523	3,885
Surplus (Need)	181	190	193	191	192	193

Howard County-Other

	2020	2030	2040	2050	2060	2070
Demands	896	893	888	886	883	883
Current Supply	447	408	408	408	408	408
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(449)	(485)	(480)	(478)	(475)	(475)

Howard County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	6,722	6,645	6,567	6,490	6,413	6,337
Current Supply	3,489	3,230	3,230	3,230	3,230	3,230
Conservation Supply	336	665	722	722	722	722
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(2,897)	(2,751)	(2,615)	(2,538)	(2,461)	(2,385)

Howard County Livestock

	2020	2030	2040	2050	2060	2070
Demands	316	316	316	316	316	316
Current Supply	202	187	187	187	187	187
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(114)	(129)	(129)	(129)	(129)	(129)

Howard Manufacturing (Self-Supplied)

	2020	2030	2040	2050	2060	2070
Demands	1,248	1,372	1,494	1,597	1,790	1,995
Current Supply	634	599	599	599	599	599
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(614)	(773)	(895)	(998)	(1,191)	(1,396)

Howard County Mining

	2020	2030	2040	2050	2060	2070
Demands	2,491	2,747	1,940	1,138	476	199
Current Supply	163	156	156	156	156	156
Conservation Supply	174	192	136	80	33	14
Subordination Supply	1,000	1,000	1,000	982	320	43
Surplus (Need)	(1,154)	(1,399)	(648)	80	33	14

Irion County

Mertzon

	2020	2030	2040	2050	2060	2070
Demands	102	99	96	95	95	95
Current Supply	102	99	96	95	95	95
Conservation Supply	5	5	5	5	5	5
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	5	5	5	5	5	5

Irion County-Other

	2020	2030	2040	2050	2060	2070
Demands	105	102	98	97	97	97
Current Supply	105	102	98	97	97	97
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Irion County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	1,467	1,435	1,402	1,370	1,338	1,307
Current Supply	1,108	1,076	1,043	1,011	979	948
Conservation Supply	73	144	210	210	210	210
Subordination Supply						
Surplus (Need)	(286)	(216)	(149)	(149)	(149)	(149)

Irion County Livestock

	2020	2030	2040	2050	2060	2070
Demands	268	268	268	268	268	268
Current Supply	268	268	268	268	268	268
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Irion County Mining

	2020	2030	2040	2050	2060	2070
Demands	3,192	3,357	2,423	1,487	713	342
Current Supply	1,373	1,373	1,373	1,373	713	342
Conservation Supply	223	235	170	104	50	24
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(1,596)	(1,749)	(880)	(10)	50	24

Kimble County

Junction

	2020	2030	2040	2050	2060	2070
Demands	640	632	622	617	616	616
Current Supply	0	0	0	0	0	0
Conservation Supply	14	15	15	15	15	15
Subordination Supply	412	412	412	412	412	412
Surplus (Need)	(214)	(205)	(195)	(190)	(189)	(189)

Remaining Kimble County-Other

	2020	2030	2040	2050	2060	2070
Demands	242	236	229	226	225	225
Current Supply	242	236	229	226	225	225
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Kimble County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	2,939	2,830	2,718	2,606	2,501	2,400
Current Supply	1,443	1,443	1,443	1,443	1,443	1,443
Conservation Supply	147	283	326	326	326	326
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(1,349)	(1,104)	(949)	(837)	(732)	(631)

Kimble County Livestock

	2020	2030	2040	2050	2060	2070
Demands	402	402	402	402	402	402
Current Supply	402	402	402	402	402	402
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Kimble County Manufacturing

	2020	2030	2040	2050	2060	2070
Demands	701	752	804	852	916	985
Current Supply	2	2	2	2	2	2
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(699)	(750)	(802)	(850)	(914)	(983)

Kimble County Mining

	2020	2030	2040	2050	2060	2070
Demands	19	19	19	19	19	19
Current Supply	19	19	19	19	19	19
Conservation Supply	1	1	1	1	1	1
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	1	1	1	1	1	1

Loving County

Loving County-Other

	2020	2030	2040	2050	2060	2070
Demands	11	10	10	10	10	10
Current Supply	11	10	10	10	10	10
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Loving County Livestock

	2020	2030	2040	2050	2060	2070
Demands	101	101	101	101	101	101
Current Supply	101	101	101	101	101	101
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Loving County Mining

	2020	2030	2040	2050	2060	2070
Demands	792	1,058	934	762	601	474
Current Supply	792	1,058	934	762	601	474
Conservation Supply	55	74	65	53	42	33
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	55	74	65	53	42	33

Martin County

Stanton

	2020	2030	2040	2050	2060	2070
Demands	539	579	606	635	658	677
Current Supply	294	429	413	397	377	357
Conservation Supply	15	17	18	19	20	20
Subordination Supply	253	160	202	249	292	330
Surplus (Need)	23	27	27	30	31	30

Martin County-Other

	2020	2030	2040	2050	2060	2070
Demands	342	363	376	392	406	418
Current Supply	131	141	160	159	167	175
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(211)	(222)	(216)	(233)	(239)	(243)

Martin County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	36,322	35,674	35,026	34,381	33,746	33,123
Current Supply	11,165	11,122	11,942	11,150	11,106	11,079
Conservation Supply	1,816	3,567	5,254	5,254	5,254	5,254
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(23,341)	(20,985)	(17,830)	(17,977)	(17,386)	(16,790)

Martin County Livestock

	2020	2030	2040	2050	2060	2070
Demands	128	128	128	128	128	128
Current Supply	90	91	93	92	92	93
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(38)	(37)	(35)	(36)	(36)	(35)

Martin County Manufacturing

	2020	2030	2040	2050	2060	2070
Demands	41	42	43	44	47	50
Current Supply	16	16	18	18	19	21
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(25)	(26)	(25)	(26)	(28)	(29)

Martin County Mining

	2020	2030	2040	2050	2060	2070
Demands	3,527	2,998	2,251	1,441	771	413
Current Supply	488	495	541	515	522	413
Conservation Supply	247	210	158	101	54	29
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(2,792)	(2,293)	(1,552)	(825)	(195)	29

Mason County

Mason

	2020	2030	2040	2050	2060	2070
Demands	703	693	685	680	680	680
Current Supply	703	693	685	680	680	680
Conservation Supply	12	12	12	12	12	12
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	12	12	12	12	12	12

Remaining Mason County-Other

	2020	2030	2040	2050	2060	2070
Demands	225	218	212	209	208	208
Current Supply	225	218	212	209	208	208
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Mason County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	8,294	8,174	8,054	7,935	7,816	7,699
Current Supply	8,294	8,174	8,054	7,935	7,816	7,699
Conservation Supply	415	817	1,208	1,208	1,208	1,208
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	415	817	1,208	1,208	1,208	1,208

Mason County Livestock

	2020	2030	2040	2050	2060	2070
Demands	1,248	1,248	1,248	1,248	1,248	1,248
Current Supply	996	996	996	996	996	996
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(252)	(252)	(252)	(252)	(252)	(252)

Mason County Mining

	2020	2030	2040	2050	2060	2070
Demands	1,023	941	708	568	460	372
Current Supply	1,023	941	708	568	460	372
Conservation Supply	72	72	72	72	72	72
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	72	72	72	72	72	72

McCulloch County

Brady

	2020	2030	2040	2050	2060	2070
Demands	1,396	1,425	1,406	1,415	1,417	1,419
Current Supply	608	609	614	616	617	616
Conservation Supply	32	33	33	33	33	33
Subordination Supply	1,892	1,854	1,816	1,778	1,740	1,700
Surplus (Need)	1,136	1,071	1,057	1,012	973	930

Richland SUD

	2020	2030	2040	2050	2060	2070
Demands	344	350	345	341	344	348
Current Supply	612	612	612	612	612	612
Conservation Supply	13	14	14	14	14	14
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	281	276	281	285	282	278

Millersview-Doole WSC

	2020	2030	2040	2050	2060	2070
Demands	1,134	1,139	1,137	642	650	660
Current Supply	987	1,202	1,138	773	742	715
Conservation Supply	24	25	25	26	26	27
Subordination Supply	517	302	369	236	267	294
Surplus (Need)	394	390	395	393	385	376

Remaining McCulloch County-Other

	2020	2030	2040	2050	2060	2070
Demands	87	90	89	90	90	90
Current Supply	52	54	54	54	54	54
Conservation Supply	12	12	12	12	12	12
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(23)	(24)	(23)	(24)	(24)	(24)

McCulloch County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	3,584	3,539	3,493	3,448	3,404	3,361
Current Supply	1,400	1,401	1,412	1,417	1,418	1,417
Conservation Supply	179	354	524	524	524	524
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(2,005)	(1,784)	(1,557)	(1,507)	(1,462)	(1,420)

McCulloch County Livestock

	2020	2030	2040	2050	2060	2070
Demands	714	714	714	714	714	714
Current Supply	690	690	690	690	690	690
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(24)	(24)	(24)	(24)	(24)	(24)

McCulloch County Manufacturing (Self-Supplied)

	2020	2030	2040	2050	2060	2070
Demands	498	538	576	609	661	717
Current Supply	297	321	346	368	400	433
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(201)	(217)	(230)	(241)	(261)	(284)

McCulloch County

McCulloch County Mining

	2020	2030	2040	2050	2060	2070
Demands	8,927	8,347	6,641	5,627	4,836	4,201
Current Supply	5,309	5,281	5,203	5,155	4,836	4,201
Conservation Supply	625	584	465	394	339	294
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(2,993)	(2,482)	(973)	(78)	339	294

Menard County

Menard

	2020	2030	2040	2050	2060	2070
Demands	349	341	335	334	334	334
Current Supply	139	139	139	139	139	139
Conservation Supply	8	8	8	8	8	8
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(202)	(194)	(188)	(187)	(187)	(187)

Menard County-Other

	2020	2030	2040	2050	2060	2070
Demands	95	92	89	87	87	87
Current Supply	95	92	89	87	87	87
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Menard County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	2,530	2,522	2,514	2,505	2,497	2,489
Current Supply	2,104	2,104	2,104	2,104	2,104	2,104
Conservation Supply	127	252	377	377	377	377
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(300)	(166)	(33)	(24)	(16)	(8)

Menard County Livestock

	2020	2030	2040	2050	2060	2070
Demands	408	408	408	408	408	408
Current Supply	426	426	426	426	426	426
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	18	18	18	18	18	18

Menard County Manufacturing

	2020	2030	2040	2050	2060	2070
Demands	3	3	3	3	3	3
Current Supply	3	3	3	3	3	3
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Menard County Mining

	2020	2030	2040	2050	2060	2070
Demands	1,086	1,071	952	827	717	622
Current Supply	1,086	1,071	952	827	717	622
Conservation Supply	76	75	67	58	50	44
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	76	75	67	58	50	44

Midland County

Midland

	2020	2030	2040	2050	2060	2070
Demands	32,781	34,524	37,574	40,815	44,184	47,518
Current Supply	29,188	18,988	16,822	16,653	16,485	16,316
Conservation Supply	813	879	973	1,062	1,150	1,236
Subordination Supply	8,527	(299)	(298)	(297)	(297)	(296)
Surplus (Need)	5,747	(14,956)	(20,077)	(23,397)	(26,846)	(30,262)

Remaining Midland County-Other

	2020	2030	2040	2050	2060	2070
Demands	4,213	4,629	5,049	5,511	6,008	6,503
Current Supply	4,213	4,629	5,049	5,511	6,008	6,503
Conservation Supply	145	164	183	202	220	239
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	145	164	183	202	220	239

Midland County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	33,276	33,016	32,756	32,495	32,237	31,981
Current Supply	33,276	33,016	32,756	32,495	32,237	31,981
Conservation Supply	1,664	3,302	4,913	4,913	4,913	4,913
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	1,664	3,302	4,913	4,913	4,913	4,913

Midland County Livestock

	2020	2030	2040	2050	2060	2070
Demands	394	394	394	394	394	394
Current Supply	394	394	394	394	394	394
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Midland County Manufacturing

	2020	2030	2040	2050	2060	2070
Demands	230	250	269	285	309	335
Current Supply	230	250	269	285	309	335
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Midland County Mining

	2020	2030	2040	2050	2060	2070
Demands	3,893	3,418	2,630	1,774	1,056	743
Current Supply	3,893	3,418	2,630	1,774	1,056	743
Conservation Supply	273	239	184	124	74	52
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	273	239	184	124	74	52

Mitchell County

Colorado City

	2020	2030	2040	2050	2060	2070
Demands	1,287	1,417	1,427	1,438	1,451	1,466
Current Supply	1,287	1,417	1,427	1,438	1,451	1,466
Conservation Supply	28	31	32	32	32	33
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	28	31	32	32	32	33

Lorraine

	2020	2030	2040	2050	2060	2070
Demands	73	72	71	72	72	73
Current Supply	73	72	71	72	72	73
Conservation Supply	3	4	4	4	4	4
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	3	4	4	4	4	4

Mitchell County-Other

	2020	2030	2040	2050	2060	2070
Demands	843	852	857	861	868	875
Current Supply	843	852	857	861	868	875
Conservation Supply	26	27	28	28	29	29
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	26	27	28	28	29	29

Mitchell County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	11,519	11,460	11,404	11,348	11,292	11,236
Current Supply	11,519	11,460	11,404	11,348	11,292	11,236
Conservation Supply	230	229	228	228	228	228
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	230	229	228	228	228	228

Mitchell County Livestock

	2020	2030	2040	2050	2060	2070
Demands	413	413	413	413	413	413
Current Supply	413	413	413	413	413	413
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Mitchell County Mining

	2020	2030	2040	2050	2060	2070
Demands	593	738	632	493	375	290
Current Supply	593	738	632	493	375	290
Conservation Supply	42	52	44	35	26	20
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	42	52	44	35	26	20

Mitchell County Steam Electric Power

	2020	2030	2040	2050	2060	2070
Demands	4,847	4,670	4,493	4,317	4,140	3,994
Current Supply	0	0	0	0	0	0
Conservation Supply	0	0	0	0	0	0
Subordination Supply	1,480	1,460	1,440	1,420	1,400	1,380
Surplus (Need)	(3,367)	(3,210)	(3,053)	(2,897)	(2,740)	(2,614)

Pecos County

Fort Stockton

	2020	2030	2040	2050	2060	2070
Demands	4,910	5,230	5,548	5,853	6,138	6,398
Current Supply	4,910	5,230	5,548	5,853	6,138	6,398
Conservation Supply	50	53	57	60	63	66
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	50	53	57	60	63	66

Iraan

	2020	2030	2040	2050	2060	2070
Demands	459	486	513	541	567	591
Current Supply	459	486	513	541	567	591
Conservation Supply	7	8	8	9	9	10
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	7	8	8	9	9	10

Pecos County WCID #1

	2020	2030	2040	2050	2060	2070
Demands	439	456	475	496	519	540
Current Supply	439	456	475	496	519	540
Conservation Supply	19	20	22	23	24	25
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	19	20	22	23	24	25

Pecos County-Other

	2020	2030	2040	2050	2060	2070
Demands	415	427	453	478	501	522
Current Supply	415	427	453	478	501	522
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Pecos County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	126,023	126,023	126,023	126,023	126,023	126,023
Current Supply	126,028	126,029	126,030	126,031	126,032	126,033
Conservation Supply	6,301	12,602	18,903	18,903	18,903	18,903
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	6,306	12,608	18,910	18,911	18,912	18,913

Pecos County Livestock

	2020	2030	2040	2050	2060	2070
Demands	932	932	932	932	932	932
Current Supply	932	932	932	932	932	932
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Pecos County Manufacturing

	2020	2030	2040	2050	2060	2070
Demands	103	103	103	103	103	103
Current Supply	103	103	103	103	103	103
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Pecos County

Pecos County Mining

	2020	2030	2040	2050	2060	2070
Demands	690	1,068	1,072	861	672	524
Current Supply	690	1,068	1,072	861	672	524
Conservation Supply	48	75	75	60	47	37
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	48	75	75	60	47	37

Reagan County

Big Lake

	2020	2030	2040	2050	2060	2070
Demands	769	834	873	916	945	967
Current Supply	769	834	873	916	945	967
Conservation Supply	18	21	22	23	24	24
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	18	21	22	23	24	24

Remaining Reagan County-Other

	2020	2030	2040	2050	2060	2070
Demands	32	38	41	44	47	49
Current Supply	32	38	41	44	47	49
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Reagan County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	19,130	18,808	18,486	18,164	17,848	17,537
Current Supply	19,130	18,808	18,486	18,164	17,848	17,537
Conservation Supply	957	1,881	2,773	2,773	2,773	2,773
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	957	1,881	2,773	2,773	2,773	2,773

Reagan County Livestock

	2020	2030	2040	2050	2060	2070
Demands	255	255	255	255	255	255
Current Supply	266	266	266	266	266	266
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	11	11	11	11	11	11

Reagan County Mining

	2020	2030	2040	2050	2060	2070
Demands	4,211	3,395	2,457	1,406	529	199
Current Supply	4,226	3,410	2,472	1,421	544	214
Conservation Supply	295	238	172	98	37	14
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	310	253	187	113	52	29

Reeves County

Pecos

	2020	2030	2040	2050	2060	2070
Demands	3,288	3,450	3,612	3,729	3,828	3,908
Current Supply	3,288	3,450	3,612	3,729	3,828	3,908
Conservation Supply	53	56	59	62	63	64
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	53	56	59	62	63	64

Madera Valley WSC

	2020	2030	2040	2050	2060	2070
Demands	586	616	644	665	682	694
Current Supply	586	616	644	665	682	694
Conservation Supply	11	12	12	13	13	14
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	11	12	12	13	13	14

Reeves Remaining County-Other

	2020	2030	2040	2050	2060	2070
Demands	402	424	442	456	466	475
Current Supply	402	424	442	456	466	475
Conservation Supply	19	20	21	22	23	23
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	19	20	21	22	23	23

Reeves County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	91,357	90,577	89,795	89,015	88,242	87,475
Current Supply	91,357	90,577	89,795	89,015	88,242	87,475
Conservation Supply	4,568	9,058	13,469	13,469	13,469	13,469
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	4,568	9,058	13,469	13,469	13,469	13,469

Reeves County Livestock

	2020	2030	2040	2050	2060	2070
Demands	862	862	862	862	862	862
Current Supply	863	863	863	863	863	863
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	1	1	1	1	1	1

Reeves County Manufacturing (All demand associated with the City of Pecos)

Reeves County Mining

	2020	2030	2040	2050	2060	2070
Demands	1,531	2,632	2,537	2,068	1,632	1,288
Current Supply	1,531	2,632	2,537	2,068	1,632	1,288
Conservation Supply	107	184	178	145	114	90
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	107	184	178	145	114	90

Runnels County

Ballinger

	2020	2030	2040	2050	2060	2070
Demands	788	786	769	767	766	766
Current Supply	199	272	249	0	0	0
Conservation Supply	21	22	22	22	22	22
Subordination Supply	752	675	693	563	558	554
Surplus (Need)	184	183	195	(182)	(186)	(190)

Miles

	2020	2030	2040	2050	2060	2070
Demands	112	124	121	119	119	119
Current Supply	0	0	0	0	0	0
Conservation Supply	5	6	6	6	6	6
Subordination Supply	112	124	121	119	119	119
Surplus (Need)	5	6	6	6	6	6

Winters

	2020	2030	2040	2050	2060	2070
Demands	355	346	336	335	334	334
Current Supply	0	0	0	0	0	0
Conservation Supply	14	15	15	15	15	15
Subordination Supply	186	182	178	174	170	165
Surplus (Need)	(155)	(149)	(143)	(146)	(149)	(154)

Runnels County-Other (Self-supplied)

	2020	2030	2040	2050	2060	2070
Demands	28	23	12	11	10	10
Current Supply	28	23	12	11	10	10
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Runnels County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	4,009	3,991	3,973	3,955	3,937	3,919
Current Supply	2,367	2,367	2,367	2,367	2,367	2,367
Conservation Supply	200	399	477	477	477	477
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(1,442)	(1,225)	(1,129)	(1,111)	(1,093)	(1,075)

Runnels County Livestock

	2020	2030	2040	2050	2060	2070
Demands	880	880	880	880	880	880
Current Supply	880	880	880	880	880	880
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Runnels County Manufacturing

	2020	2030	2040	2050	2060	2070
Demands	48	52	56	59	64	69
Current Supply	2	3	3	0	0	0
Conservation Supply	0	0	0	0	0	0
Subordination Supply	11	10	10	11	11	11
Surplus (Need)	(35)	(39)	(43)	(48)	(53)	(58)

Runnels County

Runnels County Mining

	2020	2030	2040	2050	2060	2070
Demands	272	269	240	210	184	161
Current Supply	177	177	177	177	177	177
Conservation Supply	19	19	17	15	13	11
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(76)	(73)	(46)	(18)	6	27

Schleicher County

Eldorado

	2020	2030	2040	2050	2060	2070
Demands	656	647	639	636	635	635
Current Supply	656	647	639	636	635	635
Conservation Supply	11	11	11	11	11	11
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	11	11	11	11	11	11

Remaining Schleicher County-Other

	2020	2030	2040	2050	2060	2070
Demands	227	262	279	289	296	301
Current Supply	250	288	307	318	326	331
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	23	26	28	29	30	30

Schleicher County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	1,414	1,385	1,356	1,327	1,298	1,270
Current Supply	1,414	1,385	1,356	1,327	1,298	1,270
Conservation Supply	71	83	81	81	81	81
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	71	83	81	81	81	81

Schleicher County Livestock

	2020	2030	2040	2050	2060	2070
Demands	535	535	535	535	535	535
Current Supply	552	552	552	552	552	552
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	17	17	17	17	17	17

Schleicher County Mining

	2020	2030	2040	2050	2060	2070
Demands	621	732	562	392	241	148
Current Supply	661	773	598	422	257	158
Conservation Supply	43	51	39	27	17	10
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	83	92	75	57	33	20

Scurry County

Snyder

	2020	2030	2040	2050	2060	2070
Demands	2,700	2,938	3,068	3,261	3,475	3,696
Current Supply	1,431	2,131	2,038	1,981	1,931	1,884
Conservation Supply	75	86	93	100	104	134
Subordination Supply	1,268	807	1,030	1,280	1,544	1,812
Surplus (Need)	74	86	93	100	104	134

Scurry County-Other (Self-Supplied)

	2020	2030	2040	2050	2060	2070
Demands	463	496	533	587	652	721
Current Supply	155	164	173	187	203	220
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(308)	(332)	(360)	(400)	(449)	(501)

Scurry County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	7,305	7,056	6,806	6,557	6,318	6,088
Current Supply	984	977	968	954	941	923
Conservation Supply	365	706	885	885	885	885
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(5,956)	(5,373)	(4,953)	(4,718)	(4,492)	(4,280)

Scurry County Livestock

	2020	2030	2040	2050	2060	2070
Demands	504	504	504	504	504	504
Current Supply	412	412	412	413	413	413
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(92)	(92)	(92)	(91)	(91)	(91)

Scurry County Manufacturing

	2020	2030	2040	2050	2060	2070
Demands	3	3	3	3	3	3
Current Supply	3	3	3	3	3	3
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Scurry County Mining

	2020	2030	2040	2050	2060	2070
Demands	280	456	483	363	246	167
Current Supply	48	48	48	47	46	46
Conservation Supply	20	32	34	25	17	12
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(212)	(376)	(401)	(291)	(183)	(109)

Sterling County

Sterling City

	2020	2030	2040	2050	2060	2070
Demands	276	282	281	281	281	281
Current Supply	276	282	281	281	281	281
Conservation Supply	5	5	5	5	5	5
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	5	5	5	5	5	5

Sterling County-Other

	2020	2030	2040	2050	2060	2070
Demands	33	33	33	33	33	33
Current Supply	33	33	33	33	33	33
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Sterling County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	983	942	901	860	820	782
Current Supply	983	942	901	860	820	782
Conservation Supply	49	94	135	135	135	135
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	49	94	135	135	135	135

Sterling County Livestock

	2020	2030	2040	2050	2060	2070
Demands	322	322	322	322	322	322
Current Supply	322	322	322	322	322	322
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Sterling County Mining

	2020	2030	2040	2050	2060	2070
Demands	780	953	812	522	270	140
Current Supply	780	953	812	522	270	140
Conservation Supply	55	67	57	37	19	10
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	55	67	57	37	19	10

Sutton County

Sonora

	2020	2030	2040	2050	2060	2070
Demands	1,406	1,490	1,513	1,535	1,550	1,559
Current Supply	1,406	1,490	1,513	1,535	1,550	1,559
Conservation Supply	18	20	20	20	21	21
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	18	20	20	20	21	21

Sutton County-Other

	2020	2030	2040	2050	2060	2070
Demands	167	173	174	176	178	179
Current Supply	167	173	174	176	178	179
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Sutton County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	1,803	1,767	1,733	1,697	1,663	1,629
Current Supply	1,803	1,767	1,733	1,697	1,663	1,629
Conservation Supply	90	177	260	260	260	260
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	90	177	260	260	260	260

Sutton County Livestock

	2020	2030	2040	2050	2060	2070
Demands	479	479	479	479	479	479
Current Supply	548	548	548	548	548	548
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	69	69	69	69	69	69

Sutton County Mining

	2020	2030	2040	2050	2060	2070
Demands	446	720	763	573	389	264
Current Supply	446	720	763	573	389	264
Conservation Supply	31	50	53	40	27	18
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	31	50	53	40	27	18

Tom Green County

San Angelo

	2020	2030	2040	2050	2060	2070
Demands	41,131	43,117	44,190	45,464	47,013	48,696
Current Supply	18,670	18,502	18,366	18,214	18,049	17,877
Conservation Supply	656	753	793	842	894	949
Subordination Supply	3,271	3,090	2,909	2,737	2,561	2,389
Surplus (Need)	(18,534)	(20,772)	(22,122)	(23,671)	(25,509)	(27,481)

Concho Rural WSC

	2020	2030	2040	2050	2060	2070
Demands	538	548	559	572	590	607
Current Supply	607	607	607	607	607	607
Conservation Supply	33	35	37	38	40	41
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	102	94	85	73	57	41

Tom Green County-Other

	2020	2030	2040	2050	2060	2070
Demands	1,056	1,073	1,129	1,178	1,224	1,268
Current Supply	750	750	750	750	750	750
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(306)	(323)	(379)	(428)	(474)	(518)

Tom Green County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	93,579	93,350	93,121	92,889	92,660	92,432
Current Supply	62,128	62,128	62,078	62,028	62,028	62,028
Conservation Supply	4,679	9,335	11,175	11,175	11,175	11,175
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(26,772)	(21,887)	(19,868)	(19,686)	(19,457)	(19,229)

Tom Green County Livestock

	2020	2030	2040	2050	2060	2070
Demands	1,688	1,688	1,688	1,688	1,688	1,688
Current Supply	1,705	1,705	1,705	1,705	1,705	1,705
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	17	17	17	17	17	17

Tom Green County Manufacturing (Sales from San Angelo)

	2020	2030	2040	2050	2060	2070
Demands	2,387	2,615	2,839	3,034	3,273	3,531
Current Supply	1,176	1,156	1,182	1,181	1,179	1,174
Conservation Supply	0	0	0	0	0	0
Subordination Supply	428	404	396	378	361	343
Surplus (Need)	(783)	(1,055)	(1,261)	(1,475)	(1,733)	(2,014)

Tom Green County Mining

	2020	2030	2040	2050	2060	2070
Demands	1,056	1,080	1,119	1,112	1,134	1,156
Current Supply	1,056	1,080	1,119	1,112	1,134	1,156
Conservation Supply	74	76	78	78	79	81
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	74	76	78	78	79	81

Upton County

McCamey

	2020	2030	2040	2050	2060	2070
Demands	776	827	849	878	895	908
Current Supply	776	827	849	878	895	908
Conservation Supply	11	12	13	13	13	14
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	11	12	13	13	13	14

Rankin

	2020	2030	2040	2050	2060	2070
Demands	277	295	302	312	319	323
Current Supply	277	295	302	312	319	323
Conservation Supply	5	5	5	5	6	6
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	5	5	5	5	6	6

Upton County-Other

	2020	2030	2040	2050	2060	2070
Demands	92	96	97	98	100	101
Current Supply	140	140	140	140	140	140
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	48	44	43	42	40	39

Upton County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	9,473	9,338	9,202	9,066	8,932	8,800
Current Supply	9,473	9,338	9,202	9,066	8,932	8,800
Conservation Supply	474	934	1,380	1,380	1,380	1,380
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	474	934	1,380	1,380	1,380	1,380

Upton County Livestock

	2020	2030	2040	2050	2060	2070
Demands	119	119	119	119	119	119
Current Supply	119	119	119	119	119	119
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Upton County Mining

	2020	2030	2040	2050	2060	2070
Demands	4,237	3,634	2,873	1,926	1,150	803
Current Supply	4,237	3,634	2,873	1,926	1,150	803
Conservation Supply	297	254	201	135	81	56
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	297	254	201	135	81	56

Ward County

Monahans

	2020	2030	2040	2050	2060	2070
Demands	2,685	2,796	2,871	2,952	3,014	3,062
Current Supply	2,685	2,796	2,871	2,952	3,014	3,062
Conservation Supply	41	43	45	47	48	48
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	41	43	45	47	48	48

Ward County-Other

	2020	2030	2040	2050	2060	2070
Demands	749	772	786	809	826	840
Current Supply	749	772	786	809	826	840
Conservation Supply	22	23	24	25	25	26
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	22	23	24	25	25	26

Ward County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	5,613	5,543	5,473	5,403	5,334	5,266
Current Supply	5,995	5,995	5,995	5,995	5,995	5,995
Conservation Supply	281	554	821	821	821	821
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	663	1,006	1,343	1,413	1,482	1,550

Ward County Livestock

	2020	2030	2040	2050	2060	2070
Demands	109	109	109	109	109	109
Current Supply	109	109	109	109	109	109
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Ward County Manufacturing

	2020	2030	2040	2050	2060	2070
Demands	16	16	16	16	16	16
Current Supply	16	16	16	16	16	16
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	0	0	0	0	0	0

Ward County Mining

	2020	2030	2040	2050	2060	2070
Demands	797	964	840	645	458	329
Current Supply	797	964	840	645	458	329
Conservation Supply	56	67	59	45	32	23
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	56	67	59	45	32	23

Ward County Steam Electric Power

	2020	2030	2040	2050	2060	2070
Demands	3,779	4,418	5,196	6,145	7,303	8,269
Current Supply	2,700	2,700	2,700	2,700	2,700	2,700
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	(1,079)	(1,718)	(2,496)	(3,445)	(4,603)	(5,569)

Winkler County

Kermit

	2020	2030	2040	2050	2060	2070
Demands	1,831	1,823	1,819	1,837	1,850	1,864
Current Supply	1,831	1,823	1,819	1,837	1,850	1,864
Conservation Supply	32	32	32	33	33	33
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	32	32	32	33	33	33

Wink

	2020	2030	2040	2050	2060	2070
Demands	373	402	427	456	480	501
Current Supply	373	402	427	456	480	501
Conservation Supply	6	6	7	7	8	8
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	6	6	7	7	8	8

Winkler County-Other

	2020	2030	2040	2050	2060	2070
Demands	140	244	330	422	497	561
Current Supply	140	140	140	140	140	140
Conservation Supply	22	23	24	25	25	26
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	22	(81)	(166)	(257)	(332)	(395)

Winkler County Irrigation

	2020	2030	2040	2050	2060	2070
Demands	4,912	4,912	4,912	4,912	4,912	4,912
Current Supply	4,912	4,912	4,912	4,912	4,912	4,912
Conservation Supply	246	491	737	737	737	737
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	246	491	737	737	737	737

Winkler County Livestock

	2020	2030	2040	2050	2060	2070
Demands	351	351	351	351	351	351
Current Supply	389	389	389	389	389	389
Conservation Supply	0	0	0	0	0	0
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	38	38	38	38	38	38

Winkler County Mining

	2020	2030	2040	2050	2060	2070
Demands	787	1,169	991	756	531	373
Current Supply	787	1,169	991	756	531	373
Conservation Supply	55	82	69	53	37	26
Subordination Supply	0	0	0	0	0	0
Surplus (Need)	55	82	69	53	37	26