

## **Agenda Item 6c. Water Supply Needs after Subordination**

Due to TWDB's requirement to use WAM Run 3 for surface water supplies, there is considerably less surface water shown to be available than is currently being used. To better reflect the actual water use and projected water needs, the *Subordination of Downstream Water Rights* is a strategy that has been adopted by Region F since the WAMs were required for use. This agenda item presents the projected water needs with the subordinated water supplies. These needs after subordination will be used to identify and develop additional water management strategies.

### Attachments:

1. Updated water needs for water user groups that receive subordinated supplies

**Projected Water Needs Before Subordination  
(Acre-feet/Year)**

WUG Name	County	Shortage 2020	Shortage 2030	Shortage 2040	Shortage 2050	Shortage 2060	Shortage 2070
Coleman County SUD	Brown	(227)	(225)	(218)	(214)	(215)	(215)
Bronte	Coke	(368)	(368)	(368)	(366)	(366)	(366)
Robert Lee	Coke	(247)	(243)	(241)	(241)	(240)	(240)
County - Other	Coke	(8)	(8)	(8)	(8)	(8)	(8)
Coleman	Coleman	(821)	(814)	(795)	(793)	(792)	(792)
Coleman County SUD	Coleman	(12)	(12)	(11)	(11)	(11)	(11)
County-Other, Coleman	Coleman	(24)	(22)	(22)	(21)	(21)	(21)
Manufacturing	Coleman	(2)	(2)	(2)	(2)	(2)	(2)
Odessa	Ector/Midland	(16,944)	(14,589)	(17,610)	(20,911)	(24,426)	(28,309)
Greater Gardendale WSC	Ector	0	(157)	(283)	(368)	(409)	(451)
Steam Electric Power	Ector	(65)	(115)	(172)	(263)	(341)	(409)
Big Spring	Howard	(4,700)	(3,677)	(4,085)	(4,429)	(4,760)	(5,079)
Coahoma	Howard	(292)	(228)	(255)	(277)	(298)	(319)
Manufacturing	Howard	(834)	(640)	(711)	(775)	(834)	(889)
Steam Electric Power	Howard	(102)	(75)	(85)	(95)	(102)	(110)
Junction	Kimble	(626)	(620)	(609)	(605)	(604)	(604)
Stanton	Martin	(199)	(196)	(236)	(278)	(313)	(343)
Brady	McCulloch	(1,396)	(1,425)	(1,407)	(1,415)	(1,417)	(1,419)
Millersview-Doole WSC	McCulloch	(149)	(77)	(104)	(131)	(166)	(199)
Midland	Midland	0	(10,772)	(18,554)	(21,279)	(24,044)	(27,041)
Colorado City	Mitchell	0	(133)	(144)	(155)	(168)	(183)
Steam Electric Power	Mitchell	(10,326)	(10,326)	(10,326)	(10,326)	(10,326)	(10,326)
Ballinger	Runnels	(595)	(543)	(543)	(555)	(568)	(582)
Miles	Runnels	(2)	(1)	(5)	(10)	(16)	(22)
Winters	Runnels	(395)	(385)	(369)	(367)	(366)	(367)
County-Other	Runnels	(33)	(29)	(28)	(28)	(29)	(29)
Snyder	Scurry	(1,367)	(1,141)	(1,321)	(1,531)	(1,751)	(1,985)
County-Other	Scurry	(540)	(542)	(590)	(646)	(713)	(785)
San Angelo	Tom Green	(7,928)	(7,682)	(8,718)	(9,983)	(11,482)	(13,096)
Goodfellow Air Force Base	Tom Green	(196)	(191)	(222)	(258)	(298)	(345)

**Projected Needs After Subordination  
(Acre-feet/Year)**

WUG Name	County	Shortage 2020	Shortage 2030	Shortage 2040	Shortage 2050	Shortage 2060	Shortage 2070
Robert Lee	Coke	(81)	(76)	(72)	(72)	(71)	(71)
County - Other	Coke	(3)	(3)	(2)	(2)	(2)	(2)
Odessa	Ector/Midland	(4,165)	0	0	(1,299)	(4,467)	(8,015)
Greater Gardendale WSC	Ector	0	(157)	(283)	(368)	(409)	(451)
Steam Electric Power	Ector	(65)	(115)	(172)	(263)	(341)	(409)
Big Spring	Howard	(1,156)	0	0	(275)	(871)	(1,438)
Coahoma	Howard	(72)	0	0	(16)	(54)	(91)
Manufacturing	Howard	(205)	0	0	(49)	(153)	(251)
Steam Electric Power	Howard	(15)	0	0	0	(7)	(21)
Junction	Kimble	(376)	(370)	(359)	(355)	(354)	(354)
Stanton	Martin	(65)	(59)	(85)	(123)	(167)	(207)
Midland	Midland	0	(10,413)	(18,163)	(20,858)	(23,591)	(26,558)
Steam Electric Power	Mitchell	(9,156)	(9,170)	(9,184)	(9,198)	(9,212)	(9,226)
Miles	Runnels	0	0	0	0	(1)	(8)
Winters	Runnels	(220)	(210)	(194)	(192)	(191)	(192)
Snyder	Scurry	(337)	0	0	(96)	(321)	(562)
San Angelo	Tom Green	(5,269)	(5,097)	(6,205)	(7,544)	(9,115)	(10,803)
Goodfellow Air Force Base	Tom Green	(127)	(123)	(154)	(192)	(235)	(281)