

GAM run 04-05_cm clarification memo

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Texas Water Development Board
Groundwater Availability Modeling Section
(512) 463-7847
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DESCRIPTION OF ORIGINAL REQUEST:

The Llano Estacado Water Planning Group (LERWPG) requested that the Southern Ogallala Groundwater Availability Model (GAM) be run using the water demand projections for water user groups (WUGs) of LERWPG, as approved by the Texas Water Development Board on September 17, 2003 for the period of record through 2060. The requested output, completed on March 19, 2004, was in the form of water-level maps, maps of saturated thickness, and maps showing municipal areas with dry cells highlighted. Additional information was requested showing the volume of groundwater present in each county-basin zone throughout the Region "O" area for each of the projection dates 2004, 2010, 2020, 2030, 2040, 2050 and 2060. Also, the quantity of water pumped from each of the county-basin areas at each of the projection dates was also requested. Mr. Herb Grubb of HDR Engineering, Inc. supplied the attached Excel table to the Texas Water Development Board and the Supply Information was completed for each county and totaled at the end of the table.

CLARIFICATION:

The Brazos River basin volume totals reported in the original GAM 04-05 table are in error. Apparently, an arithmetic error occurred when summing the county values. The totals on the attached revised table are correct.

It was noted that the volume of water in storage reported from the GAM run for some of the Region O counties was different than the 2001 water plan volumes. For example, the GAM model storage volumes for Bailey County are lower than in the 2001 water plan. One part of the difference is that the water plan numbers were derived from 1995 saturated thickness from the High Plains Underground Water Conservation District. The model results are for 2004, and are lower in part, because the later portion of the 1990's was dryer than normal. Another part of the difference has to do with dry cells in the GAM model in northern Bailey County. This is discussed on page 99 of the GAM model report for the southern Ogallala. Unlike previous models, the GAM model incorporates actual pumpage per county as opposed to a regional averaged pumpage distribution. Heavy pumpage in northern Bailey County results in dry cells and an underestimation of the volume in storage relative to the 2001 plan. This is a model limitation.

Model limitations in Floyd and Crosby Counties are also discussed in the GAM model document on page 105. In both of these counties, the modeled saturated thickness is overestimated because the simulated historical drawdown was too low.

Referring to the difference in storage between the 2001 plan and the GAM run, one can see that the current model provides a better match to the water plan in some counties than others. This is to be expected, because the model is regional in nature and is designed foremost to reproduce water level trends and extrapolate them into the future. As shown in the hydrographs in Appendix D of the Southern Ogallala GAM report, the GAM model does a very good job of doing just that. This means that the initial volume of water in storage in the model may not always be in agreement with the amount calculated from the 1995 saturated thickness.

The limitations of the GAM model are discussed in some detail in the report starting on page 147. Unfortunately, no model can be perfectly calibrated to observed conditions. However, there is an overall good calibration to water level trends in individual target wells. As a result, the percentage of change of water levels can be extrapolated into the future with a good degree of confidence.

| County | WUG Name | Basin Name | 2000 | 2010 | 2020 | 2030 | 2040 | 2050 | 2060 |
|---|--------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Water Use | | | ac-ft | ac-ft | ac-ft | ac-ft | ac-ft | ac-ft | ac-ft |
| BAILEY County | | | | | | | | | |
| Municipal | COUNTY-OTHER | BRAZOS | 331 | 342 | 358 | 364 | 371 | 370 | 363 |
| Municipal | MULESHOE | BRAZOS | 979 | 1,027 | 1,082 | 1,109 | 1,137 | 1,135 | 1,114 |
| Municipal | Total | | 1,310 | 1,369 | 1,440 | 1,473 | 1,508 | 1,505 | 1,477 |
| Manufacturing | | BRAZOS | 264 | 303 | 316 | 326 | 335 | 343 | 365 |
| Steam-Electric | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Irrigation | | BRAZOS | 182,865 | 172,139 | 168,010 | 163,980 | 160,046 | 156,206 | 152,457 |
| Mining | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Livestock | | BRAZOS | 1,723 | 2,824 | 3,856 | 3,962 | 4,074 | 4,192 | 4,318 |
| | TOTAL | | 186,162 | 176,635 | 173,622 | 169,741 | 165,963 | 162,246 | 158,617 |
| SUPPLY INFORMATION | | | | | | | | | |
| Quantity in Storage (in 2004, enter in 2000 col.) | | BRAZOS | 3,006,111 | 2,786,786 | 2,622,297 | 2,535,908 | 2,459,710 | 2,432,211 | 2,424,745 |
| Quantity Pumped (annual at each projection date) | | BRAZOS | 68,998 | 43,916 | 27,300 | 21,582 | 18,613 | 17,883 | 17,067 |
| | | | | | | | | | |
| | | | | | | | | | |
| BRISCOE County | | | | | | | | | |
| Municipal | COUNTY-OTHER | RED | 180 | 183 | 183 | 176 | 165 | 159 | 155 |
| Municipal | SILVERTON | RED | 126 | 128 | 128 | 123 | 115 | 111 | 108 |
| Municipal | Total | | 306 | 311 | 311 | 299 | 280 | 270 | 263 |
| Manufacturing | | RED | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Steam-Electric | | RED | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Irrigation | | RED | 26,329 | 29,002 | 27,950 | 26,936 | 25,958 | 25,016 | 24,108 |
| Mining | | RED | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Livestock | | RED | 317 | 325 | 334 | 343 | 353 | 363 | 374 |
| | TOTAL | | 26,952 | 29,638 | 28,595 | 27,578 | 26,591 | 25,649 | 24,745 |
| SUPPLY INFORMATION | | | | | | | | | |
| Quantity in Storage (in 2004, enter in 2000 col.) | | Red | 2,164,466 | 2,036,351 | 1,870,525 | 1,756,762 | 1,680,434 | 1,650,541 | 1,632,676 |
| Quantity Pumped (annual at each projection date) | | Red | 23,871 | 22,800 | 15,867 | 9,872 | 7,460 | 5,388 | 4,888 |
| | | | | | | | | | |
| | | | | | | | | | |

| | | | | | | | | | |
|---|--------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| CASTRO County | | | | | | | | | |
| Municipal | COUNTY-OTHER | BRAZOS | 208 | 222 | 234 | 240 | 243 | 241 | 237 |
| Municipal | COUNTY-OTHER | RED | 247 | 263 | 278 | 285 | 288 | 286 | 281 |
| Municipal | DIMMITT | BRAZOS | 975 | 1,041 | 1,103 | 1,137 | 1,159 | 1,150 | 1,130 |
| Municipal | HART | BRAZOS | 223 | 238 | 251 | 258 | 262 | 260 | 256 |
| Municipal | Total | | 1,653 | 1,764 | 1,866 | 1,920 | 1,952 | 1,937 | 1,904 |
| Manufacturing | | BRAZOS | 1,637 | 1,923 | 2,082 | 2,213 | 2,337 | 2,445 | 2,617 |
| Manufacturing | | RED | 95 | 112 | 121 | 128 | 136 | 142 | 152 |
| Steam-Electric | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Steam-Electric | | RED | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Irrigation | | BRAZOS | 337,541 | 239,669 | 230,482 | 221,644 | 213,147 | 204,975 | 197,116 |
| Irrigation | | RED | 166,251 | 118,046 | 113,520 | 109,168 | 104,982 | 100,957 | 97,087 |
| Mining | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mining | | RED | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Livestock | | BRAZOS | 2,631 | 3,599 | 4,417 | 4,623 | 4,842 | 5,074 | 5,321 |
| Livestock | | RED | 3,215 | 4,398 | 5,399 | 5,650 | 5,918 | 6,202 | 6,503 |
| | TOTAL | BRAZOS | 343,215 | 246,692 | 238,569 | 230,115 | 221,990 | 214,145 | 206,677 |
| | TOTAL | RED | 169,808 | 122,819 | 119,318 | 115,231 | 111,324 | 107,587 | 104,023 |
| | TOTAL | | 513,023 | 369,511 | 357,887 | 345,346 | 333,314 | 321,732 | 310,700 |
| SUPPLY INFORMATION | | | | | | | | | |
| Quantity in Storage (in 2004, enter in 2000 col.) | Red | | 2,817,626 | 2,222,567 | 1,460,181 | 991,079 | 743,569 | 678,750 | 633,894 |
| Quantity Pumped (annual at each projection date) | Red | | 141,434 | 110,256 | 72,609 | 45,405 | 25,992 | 23,784 | 20,890 |
| Quantity in Storage (in 2004, enter in 2000 col.) | BRAZOS | | 5,984,144 | 4,673,280 | 2,778,583 | 1,263,919 | 479,975 | 375,623 | 263,380 |
| Quantity Pumped (annual at each projection date) | BRAZOS | | 292,867 | 235,507 | 211,116 | 147,124 | 59,674 | 44,832 | 38,066 |
| | | | | | | | | | |
| COCHRAN County | | | | | | | | | |
| Municipal | COUNTY-OTHER | BRAZOS | 172 | 183 | 191 | 192 | 185 | 176 | 167 |
| Municipal | COUNTY-OTHER | COLORADO | 92 | 98 | 102 | 103 | 99 | 95 | 90 |
| Municipal | MORTON | BRAZOS | 499 | 535 | 560 | 565 | 547 | 521 | 496 |
| Municipal | Total | | 763 | 816 | 853 | 860 | 831 | 792 | 753 |
| Manufacturing | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Manufacturing | | COLORADO | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Steam-Electric | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Steam-Electric | | COLORADO | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Irrigation | | BRAZOS | 76,790 | 48,009 | 46,157 | 44,376 | 42,662 | 41,015 | 39,432 |
| Irrigation | | COLORADO | 43,195 | 27,005 | 25,964 | 24,962 | 23,998 | 23,072 | 22,181 |
| Mining | | BRAZOS | 16 | 14 | 10 | 8 | 6 | 4 | 2 |
| Mining | | COLORADO | 1,704 | 1,448 | 1,022 | 852 | 639 | 426 | 256 |
| Livestock | | BRAZOS | 544 | 697 | 861 | 900 | 941 | 984 | 1,030 |
| Livestock | | COLORADO | 103 | 132 | 163 | 170 | 178 | 186 | 195 |
| | TOTAL | BRAZOS | 78,021 | 49,438 | 47,779 | 46,041 | 44,341 | 42,700 | 41,127 |
| | TOTAL | COLORADO | 45,094 | 28,683 | 27,251 | 26,087 | 24,914 | 23,779 | 22,722 |
| | TOTAL | | 123,115 | 78,121 | 75,030 | 72,128 | 69,255 | 66,479 | 63,849 |
| SUPPLY INFORMATION | | | | | | | | | |
| Quantity in Storage (in 2004, enter in 2000 col.) | BRAZOS | | 579,461 | 528,380 | 447,471 | 434,696 | 401,709 | 405,687 | 405,504 |
| Quantity Pumped (annual at each projection date) | BRAZOS | | 39,014 | 15,725 | 10,202 | 6,951 | 6,177 | 6,101 | 5,990 |
| Quantity in Storage (in 2004, enter in 2000 col.) | COLORADO | | 2,669,705 | 2,600,529 | 2,598,456 | 2,584,256 | 2,608,981 | 2,629,756 | 2,629,589 |
| Quantity Pumped (annual at each projection date) | COLORADO | | 22,596 | 12,015 | 7,427 | 6,717 | 6,481 | 5,929 | 5,790 |
| | | | | | | | | | |

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|---|--------------|----------|------------|------------|------------|-----------|-----------|-----------|-----------|
| CROSBY County | | | | | | | | | |
| Municipal | COUNTY-OTHER | BRAZOS | 202 | 210 | 217 | 220 | 222 | 220 | 217 |
| Municipal | COUNTY-OTHER | RED | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Municipal | CROSBYTON | BRAZOS | 351 | 369 | 386 | 394 | 402 | 400 | 394 |
| Municipal | LORENZO | BRAZOS | 260 | 275 | 288 | 296 | 302 | 301 | 296 |
| Municipal | RALLS | BRAZOS | 290 | 304 | 315 | 322 | 325 | 323 | 318 |
| Municipal | Total | | 1,104 | 1,159 | 1,207 | 1,233 | 1,252 | 1,245 | 1,226 |
| Manufacturing | | BRAZOS | 5 | 6 | 6 | 6 | 6 | 6 | 6 |
| Manufacturing | | RED | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Steam-Electric | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Steam-Electric | | RED | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Irrigation | | BRAZOS | 109,892 | 99,305 | 95,304 | 91,464 | 87,778 | 84,244 | 80,851 |
| Irrigation | | RED | 2,243 | 2,027 | 1,945 | 1,867 | 1,792 | 1,719 | 1,650 |
| Mining | | BRAZOS | 119 | 71 | 34 | 20 | 8 | 0 | 0 |
| Mining | | RED | 70 | 41 | 20 | 11 | 5 | 0 | 0 |
| Livestock | | BRAZOS | 293 | 299 | 304 | 311 | 318 | 326 | 333 |
| Livestock | | RED | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| | TOTAL | BRAZOS | 111,412 | 100,839 | 96,854 | 93,033 | 89,361 | 85,820 | 82,415 |
| | TOTAL | RED | 2,316 | 2,071 | 1,969 | 1,882 | 1,801 | 1,723 | 1,654 |
| | TOTAL | | 113,728 | 102,910 | 98,823 | 94,915 | 91,162 | 87,543 | 84,069 |
| SUPPLY INFORMATION | | | | | | | | | |
| Quantity in Storage (in 2004, enter in 2000 col.) | | Red | 88,869 | 94,099 | 80,773 | 76,630 | 72,995 | 72,514 | 72,127 |
| Quantity Pumped (annual at each projection date) | | Red | 1,391 | 1,307 | 1,256 | 1,204 | 1,158 | 1,101 | 1,078 |
| Quantity in Storage (in 2004, enter in 2000 col.) | | BRAZOS | 10,860,146 | 10,518,753 | 10,004,335 | 9,903,661 | 9,079,445 | 8,965,722 | 8,874,426 |
| Quantity Pumped (annual at each projection date) | | BRAZOS | 102,831 | 96,710 | 92,844 | 89,147 | 85,593 | 83,138 | 79,835 |
| | | | | | | | | | |
| | | | | | | | | | |
| DAWSON County | | | | | | | | | |
| Municipal | COUNTY-OTHER | BRAZOS | 18 | 18 | 18 | 19 | 18 | 18 | 17 |
| Municipal | COUNTY-OTHER | COLORADO | 605 | 610 | 612 | 616 | 607 | 587 | 565 |
| Municipal | LAMESA | COLORADO | 2,486 | 2,540 | 2,573 | 2,602 | 2,603 | 2,529 | 2,433 |
| Municipal | O'DONNELL | BRAZOS | 17 | 17 | 17 | 17 | 17 | 17 | 16 |
| Municipal | Total | | 3,126 | 3,185 | 3,220 | 3,254 | 3,245 | 3,151 | 3,031 |
| Manufacturing | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Manufacturing | | COLORADO | 101 | 119 | 129 | 137 | 144 | 150 | 162 |
| Steam-Electric | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Steam-Electric | | COLORADO | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Irrigation | | BRAZOS | 1,460 | 645 | 608 | 574 | 542 | 511 | 482 |
| Irrigation | | COLORADO | 144,579 | 63,827 | 60,230 | 56,834 | 53,629 | 50,607 | 47,754 |
| Mining | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mining | | COLORADO | 2,728 | 1,624 | 779 | 455 | 195 | 0 | 0 |
| Livestock | | BRAZOS | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Livestock | | COLORADO | 151 | 154 | 157 | 161 | 165 | 169 | 173 |
| | TOTAL | BRAZOS | 1,496 | 681 | 644 | 611 | 578 | 547 | 516 |
| | TOTAL | COLORADO | 150,650 | 68,874 | 64,480 | 60,805 | 57,343 | 54,042 | 51,087 |
| | TOTAL | | 152,146 | 69,555 | 65,124 | 61,416 | 57,921 | 54,589 | 51,603 |
| | | | | | | | | | |
| SUPPLY INFORMATION | | | | | | | | | |
| Quantity in Storage (in 2004, enter in 2000 col.) | | BRAZOS | 160,390 | 169,514 | 184,651 | 199,733 | 214,624 | 221,560 | 230,313 |
| Quantity Pumped (annual at each projection date) | | BRAZOS | 19 | 19 | 18 | 18 | 17 | 17 | 17 |
| Quantity in Storage (in 2004, enter in 2000 col.) | | COLORADO | 7,106,402 | 7,041,932 | 7,142,345 | 7,280,328 | 7,442,779 | 7,605,891 | 7,764,702 |
| Quantity Pumped (annual at each projection date) | | COLORADO | 94,967 | 45,194 | 37,509 | 34,548 | 31,267 | 31,240 | 31,195 |
| | | | | | | | | | |
| | | | | | | | | | |

| | | | | | | | | | |
|---|--------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| DEAF SMITH County | | | | | | | | | |
| Municipal | COUNTY-OTHER | CANADIAN | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| Municipal | COUNTY-OTHER | RED | 572 | 743 | 932 | 1,100 | 1,243 | 1,286 | 1,305 |
| Municipal | HEREFORD | RED | 3,564 | 3,634 | 3,694 | 3,751 | 3,788 | 3,801 | 3,813 |
| Municipal | Total | | 4,136 | 4,378 | 4,627 | 4,852 | 5,032 | 5,088 | 5,119 |
| Manufacturing | | CANADIAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Manufacturing | | RED | 1,234 | 1,454 | 1,594 | 1,710 | 1,821 | 1,917 | 2,055 |
| Steam-Electric | | CANADIAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Steam-Electric | | RED | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Irrigation | | CANADIAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Irrigation | | RED | 372,827 | 246,983 | 239,160 | 231,583 | 224,246 | 217,142 | 210,263 |
| Mining | | CANADIAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mining | | RED | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Livestock | | CANADIAN | 102 | 130 | 152 | 160 | 168 | 176 | 185 |
| Livestock | | RED | 10,054 | 12,796 | 15,048 | 15,780 | 16,557 | 17,381 | 18,253 |
| | TOTAL | CANADIAN | 102 | 131 | 153 | 161 | 169 | 177 | 186 |
| | TOTAL | RED | 388,251 | 265,610 | 260,428 | 253,924 | 247,655 | 241,527 | 235,689 |
| | TOTAL | | 388,353 | 265,741 | 260,581 | 254,085 | 247,824 | 241,704 | 235,875 |
| SUPPLY INFORMATION | | | | | | | | | |
| Quantity in Storage (in 2004, enter in 2000 col.) | | CANADIAN | 2,599 | 1,798 | 894 | 684 | 684 | 684 | 684 |
| Quantity Pumped (annual at each projection date) | | CANADIAN | 171 | 112 | 74 | 0 | 0 | 0 | 0 |
| Quantity in Storage (in 2004, enter in 2000 col.) | | RED | 7,849,168 | 6,645,748 | 5,230,088 | 4,162,529 | 3,383,183 | 3,152,241 | 2,999,333 |
| Quantity Pumped (annual at each projection date) | | RED | 298,069 | 204,702 | 170,696 | 128,079 | 88,181 | 86,200 | 81,705 |
| | | | | | | | | | |
| | | | | | | | | | |
| DICKENS County | | | | | | | | | |
| Municipal | COUNTY-OTHER | BRAZOS | 234 | 224 | 212 | 194 | 169 | 158 | 147 |
| Municipal | COUNTY-OTHER | RED | 45 | 43 | 41 | 38 | 33 | 30 | 28 |
| Municipal | SPUR | BRAZOS | 275 | 271 | 267 | 263 | 260 | 257 | 257 |
| Municipal | Total | | 554 | 538 | 520 | 495 | 462 | 445 | 432 |
| Manufacturing | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Manufacturing | | RED | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Steam-Electric | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Steam-Electric | | RED | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Irrigation | | BRAZOS | 5,407 | 2,837 | 2,752 | 2,670 | 2,591 | 2,513 | 2,437 |
| Irrigation | | RED | 4,079 | 2,140 | 2,076 | 2,015 | 1,955 | 1,896 | 1,839 |
| Mining | | BRAZOS | 165 | 98 | 47 | 27 | 12 | 0 | 0 |
| Mining | | RED | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Livestock | | BRAZOS | 390 | 399 | 408 | 417 | 427 | 437 | 448 |
| Livestock | | RED | 230 | 235 | 240 | 245 | 251 | 258 | 264 |
| | TOTAL | BRAZOS | 6,471 | 3,829 | 3,686 | 3,571 | 3,459 | 3,365 | 3,289 |
| | TOTAL | RED | 4,354 | 2,418 | 2,357 | 2,298 | 2,239 | 2,184 | 2,131 |
| | TOTAL | | 10,825 | 6,247 | 6,043 | 5,869 | 5,698 | 5,549 | 5,420 |
| SUPPLY INFORMATION | | | | | | | | | |
| Quantity in Storage (in 2004, enter in 2000 col.) | | Red | 571,097 | 559,275 | 544,692 | 539,989 | 528,008 | 519,954 | 515,918 |
| Quantity Pumped (annual at each projection date) | | Red | 3,192 | 2,086 | 2,021 | 1,963 | 1,632 | 1,592 | 1,546 |
| Quantity in Storage (in 2004, enter in 2000 col.) | | BRAZOS | 631,318 | 620,631 | 598,658 | 586,095 | 574,008 | 584,310 | 580,537 |
| Quantity Pumped (annual at each projection date) | | BRAZOS | 4,278 | 2,809 | 2,722 | 2,640 | 2,562 | 2,500 | 2,430 |
| | | | | | | | | | |
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|---|--------------|----------|------------|------------|-----------|-----------|-----------|-----------|-----------|--|
| FLOYD County | | | | | | | | | | |
| Municipal | COUNTY-OTHER | BRAZOS | 178 | 183 | 185 | 183 | 180 | 172 | 163 | |
| Municipal | COUNTY-OTHER | RED | 103 | 106 | 107 | 106 | 104 | 100 | 95 | |
| Municipal | FLOYDADA | BRAZOS | 663 | 680 | 696 | 693 | 685 | 657 | 623 | |
| Municipal | LOCKNEY | BRAZOS | 237 | 242 | 244 | 240 | 234 | 224 | 212 | |
| Municipal | Total | | 1,181 | 1,211 | 1,232 | 1,222 | 1,203 | 1,153 | 1,093 | |
| Manufacturing | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Manufacturing | | RED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Steam-Electric | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Steam-Electric | | RED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Irrigation | | BRAZOS | 130,361 | 94,979 | 91,197 | 87,564 | 84,076 | 80,727 | 77,512 | |
| Irrigation | | RED | 106,659 | 77,710 | 74,615 | 71,643 | 68,789 | 66,050 | 63,419 | |
| Mining | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Mining | | RED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Livestock | | BRAZOS | 1,029 | 1,236 | 1,396 | 1,462 | 1,532 | 1,605 | 1,683 | |
| Livestock | | RED | 342 | 411 | 465 | 487 | 510 | 535 | 561 | |
| | TOTAL | BRAZOS | 132,468 | 97,320 | 93,718 | 90,142 | 86,707 | 83,385 | 80,193 | |
| | TOTAL | RED | 107,104 | 78,227 | 75,187 | 72,236 | 69,403 | 66,685 | 64,075 | |
| | TOTAL | | 239,572 | 175,547 | 168,905 | 162,378 | 156,110 | 150,070 | 144,268 | |
| SUPPLY INFORMATION | | | | | | | | | | |
| Quantity in Storage (in 2004, enter in 2000 col.) | Red | | 5,491,376 | 5,163,180 | 4,909,263 | 4,577,147 | 4,384,446 | 4,345,782 | 4,267,211 | |
| Quantity Pumped (annual at each projection date) | Red | | 77,536 | 52,505 | 32,434 | 25,205 | 21,096 | 20,270 | 19,510 | |
| Quantity in Storage (in 2004, enter in 2000 col.) | BRAZOS | | 7,520,632 | 6,668,927 | 6,488,195 | 5,912,120 | 5,379,850 | 5,241,354 | 5,142,280 | |
| Quantity Pumped (annual at each projection date) | BRAZOS | | 105,849 | 86,288 | 81,860 | 78,044 | 73,821 | 70,449 | 68,588 | |
| | | | | | | | | | | |
| GAINES County | | | | | | | | | | |
| Municipal | COUNTY-OTHER | COLORADO | 704 | 754 | 800 | 823 | 839 | 824 | 813 | |
| Municipal | SEAGRAVES | COLORADO | 416 | 449 | 482 | 502 | 513 | 506 | 499 | |
| Municipal | SEMINOLE | COLORADO | 2,019 | 2,214 | 2,401 | 2,525 | 2,605 | 2,579 | 2,544 | |
| Municipal | Total | | 3,139 | 3,417 | 3,683 | 3,850 | 3,957 | 3,909 | 3,856 | |
| Manufacturing | | COLORADO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Steam-Electric | | COLORADO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Irrigation | | COLORADO | 414,772 | 374,875 | 355,350 | 336,844 | 319,301 | 302,670 | 286,906 | |
| Mining | | COLORADO | 6,071 | 5,746 | 4,011 | 2,493 | 1,084 | 217 | 0 | |
| Livestock | | COLORADO | 796 | 913 | 995 | 1,045 | 1,099 | 1,156 | 1,216 | |
| | TOTAL | | 424,778 | 384,951 | 364,039 | 344,232 | 325,441 | 307,952 | 291,978 | |
| SUPPLY INFORMATION | | | | | | | | | | |
| Quantity in Storage (in 2004, enter in 2000 col.) | COLORADO | | 12,605,139 | 11,181,964 | 9,521,736 | 8,371,870 | 7,529,682 | 7,416,210 | 7,302,777 | |
| Quantity Pumped (annual at each projection date) | COLORADO | | 350,393 | 286,884 | 187,951 | 138,115 | 101,105 | 87,884 | 82,249 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | | | | | | | | |
|---|--------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| GARZA County | | | | | | | | | | |
| Municipal | COUNTY-OTHER | BRAZOS | 154 | 156 | 156 | 150 | 141 | 132 | 123 | |
| Municipal | COUNTY-OTHER | COLORADO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Municipal | POST | BRAZOS | 623 | 631 | 642 | 616 | 579 | 549 | 512 | |
| Municipal | Total | | 777 | 787 | 798 | 766 | 720 | 681 | 635 | |
| Manufacturing | | BRAZOS | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Manufacturing | | COLORADO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Steam-Electric | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Steam-Electric | | COLORADO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Irrigation | | BRAZOS | 12,165 | 5,623 | 5,295 | 4,983 | 4,692 | 4,418 | 4,160 | |
| Irrigation | | COLORADO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Mining | | BRAZOS | 1,264 | 752 | 361 | 211 | 90 | 0 | 0 | |
| Mining | | COLORADO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Livestock | | BRAZOS | 355 | 363 | 423 | 432 | 442 | 453 | 465 | |
| Livestock | | COLORADO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | TOTAL | BRAZOS | 14,563 | 7,527 | 6,879 | 6,394 | 5,946 | 5,554 | 5,262 | |
| | TOTAL | COLORADO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | TOTAL | | 14,563 | 7,527 | 6,879 | 6,394 | 5,946 | 5,554 | 5,262 | |
| SUPPLY INFORMATION | | | | | | | | | | |
| Quantity in Storage (in 2004, enter in 2000 col.) | | BRAZOS | 1,047,648 | 1,070,980 | 1,128,156 | 1,176,779 | 1,237,992 | 1,284,901 | 1,317,751 | |
| Quantity Pumped (annual at each projection date) | | BRAZOS | 7,353 | 4,409 | 3,970 | 3,736 | 3,518 | 3,349 | 3,308 | |
| Quantity in Storage (in 2004, enter in 2000 col.) | | COLORADO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Quantity Pumped (annual at each projection date) | | COLORADO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| HALE County | | | | | | | | | | |
| Municipal | ABERNATHY | BRAZOS | 461 | 486 | 508 | 526 | 531 | 525 | 514 | |
| Municipal | COUNTY-OTHER | BRAZOS | 1,109 | 1,144 | 1,187 | 1,207 | 1,203 | 1,184 | 1,161 | |
| Municipal | COUNTY-OTHER | RED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Municipal | HALE CENTER | BRAZOS | 446 | 470 | 493 | 509 | 513 | 507 | 498 | |
| Municipal | PETERSBURG | BRAZOS | 276 | 289 | 304 | 313 | 316 | 312 | 306 | |
| Municipal | PLAINVIEW | BRAZOS | 4,078 | 4,288 | 4,490 | 4,605 | 4,635 | 4,577 | 4,488 | |
| Municipal | Total | | 6,370 | 6,677 | 6,982 | 7,160 | 7,198 | 7,105 | 6,967 | |
| Manufacturing | | BRAZOS | 2,605 | 2,993 | 3,188 | 3,339 | 3,482 | 3,604 | 3,840 | |
| Manufacturing | | RED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Steam-Electric | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Steam-Electric | | RED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Irrigation | | BRAZOS | 364,023 | 363,164 | 351,131 | 339,497 | 328,249 | 317,373 | 306,857 | |
| Irrigation | | RED | 3,677 | 3,668 | 3,547 | 3,429 | 3,316 | 3,206 | 3,100 | |
| Mining | | BRAZOS | 258 | 88 | 34 | 19 | 0 | 0 | 0 | |
| Mining | | RED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Livestock | | BRAZOS | 1,525 | 2,148 | 2,688 | 2,795 | 2,910 | 3,031 | 3,160 | |
| Livestock | | RED | 15 | 21 | 27 | 28 | 29 | 30 | 31 | |
| | TOTAL | BRAZOS | 374,781 | 375,070 | 364,023 | 352,810 | 341,839 | 331,113 | 320,824 | |
| | TOTAL | RED | 3,692 | 3,689 | 3,574 | 3,457 | 3,345 | 3,236 | 3,131 | |
| | TOTAL | | 378,473 | 378,759 | 367,597 | 356,267 | 345,184 | 334,349 | 323,955 | |
| SUPPLY INFORMATION | | | | | | | | | | |
| Quantity in Storage (in 2004, enter in 2000 col.) | | Red | 29,446 | 18,450 | 16,419 | 6,085 | 5,484 | 5,410 | 5,342 | |
| Quantity Pumped (annual at each projection date) | | Red | 3,499 | 829 | 0 | 0 | 0 | 0 | 0 | |
| Quantity in Storage (in 2004, enter in 2000 col.) | | BRAZOS | 9,837,572 | 8,174,441 | 5,575,536 | 3,645,123 | 2,458,242 | 2,158,654 | 1,881,355 | |
| Quantity Pumped (annual at each projection date) | | BRAZOS | 353,652 | 348,301 | 302,704 | 206,807 | 127,551 | 98,721 | 89,136 | |

| | | | | | | | | | |
|---|--------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| HOCKLEY County | | | | | | | | | |
| Municipal | ANTON | BRAZOS | 250 | 263 | 270 | 272 | 268 | 256 | 243 |
| Municipal | COUNTY-OTHER | BRAZOS | 854 | 881 | 897 | 895 | 872 | 830 | 790 |
| Municipal | COUNTY-OTHER | COLORADO | 40 | 41 | 42 | 42 | 41 | 39 | 37 |
| Municipal | LEVELLAND | BRAZOS | 2,219 | 2,310 | 2,362 | 2,369 | 2,322 | 2,216 | 2,107 |
| Municipal | ROPESVILLE | BRAZOS | 85 | 89 | 91 | 91 | 89 | 85 | 81 |
| Municipal | SMYER | BRAZOS | 67 | 69 | 70 | 70 | 68 | 65 | 62 |
| Municipal | SUNDOWN | COLORADO | 325 | 341 | 350 | 353 | 347 | 332 | 316 |
| Municipal | Total | | 3,840 | 3,994 | 4,082 | 4,092 | 4,007 | 3,823 | 3,636 |
| Manufacturing | | BRAZOS | 53 | 61 | 65 | 68 | 71 | 73 | 78 |
| Manufacturing | | COLORADO | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Steam-Electric | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Steam-Electric | | COLORADO | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Irrigation | | BRAZOS | 157,496 | 107,099 | 102,910 | 98,887 | 95,018 | 91,304 | 87,734 |
| Irrigation | | COLORADO | 17,500 | 11,900 | 11,435 | 10,988 | 10,558 | 10,145 | 9,749 |
| Mining | | BRAZOS | 3,302 | 2,358 | 1,510 | 981 | 378 | 19 | 0 |
| Mining | | COLORADO | 1,114 | 796 | 509 | 331 | 127 | 6 | 0 |
| Livestock | | BRAZOS | 560 | 634 | 733 | 766 | 801 | 837 | 876 |
| Livestock | | COLORADO | 48 | 55 | 63 | 66 | 69 | 73 | 76 |
| | TOTAL | BRAZOS | 164,886 | 113,764 | 108,908 | 104,399 | 99,887 | 95,685 | 91,971 |
| | TOTAL | COLORADO | 19,027 | 13,133 | 12,399 | 11,780 | 11,142 | 10,595 | 10,178 |
| | TOTAL | | 183,913 | 126,897 | 121,307 | 116,179 | 111,029 | 106,280 | 102,149 |
| SUPPLY INFORMATION | | | | | | | | | |
| Quantity in Storage (in 2004, enter in 2000 col.) | | BRAZOS | 4,445,678 | 4,012,574 | 3,520,944 | 3,122,056 | 2,822,881 | 281,456 | 2,768,066 |
| Quantity Pumped (annual at each projection date) | | BRAZOS | 130,699 | 96,889 | 79,415 | 67,208 | 55,876 | 53,945 | 50,540 |
| Quantity in Storage (in 2004, enter in 2000 col.) | | COLORADO | 1,034,833 | 980,634 | 911,792 | 843,370 | 792,366 | 776,547 | 765,041 |
| Quantity Pumped (annual at each projection date) | | COLORADO | 16,193 | 12,761 | 10,678 | 8,807 | 8,186 | 7,686 | 7,689 |
| | | | | | | | | | |
| | | | | | | | | | |
| LAMB County | | | | | | | | | |
| Municipal | AMHERST | BRAZOS | 163 | 168 | 176 | 182 | 185 | 183 | 181 |
| Municipal | COUNTY-OTHER | BRAZOS | 766 | 794 | 830 | 861 | 880 | 872 | 861 |
| Municipal | EARTH | BRAZOS | 248 | 257 | 268 | 277 | 283 | 280 | 276 |
| Municipal | LITTLEFIELD | BRAZOS | 1,480 | 1,530 | 1,602 | 1,660 | 1,694 | 1,676 | 1,655 |
| Municipal | OLTON | BRAZOS | 474 | 492 | 512 | 532 | 542 | 536 | 529 |
| Municipal | SUDAN | BRAZOS | 218 | 226 | 236 | 244 | 249 | 246 | 243 |
| Municipal | Total | | 3,349 | 3,467 | 3,624 | 3,756 | 3,833 | 3,793 | 3,745 |
| Manufacturing | | BRAZOS | 426 | 490 | 519 | 541 | 562 | 580 | 618 |
| Steam-Electric | | BRAZOS | 17,990 | 17,827 | 17,663 | 20,651 | 24,292 | 28,731 | 34,142 |
| Irrigation | | BRAZOS | 377,893 | 303,774 | 292,052 | 280,783 | 269,949 | 259,533 | 249,519 |
| Mining | | BRAZOS | 88 | 52 | 25 | 15 | 6 | 0 | 0 |
| Livestock | | BRAZOS | 2,412 | 3,661 | 4,817 | 4,949 | 5,090 | 5,239 | 5,397 |
| | TOTAL | | 402,158 | 329,271 | 318,700 | 310,695 | 303,732 | 297,876 | 293,421 |
| SUPPLY INFORMATION | | | | | | | | | |
| Quantity in Storage (in 2004, enter in 2000 col.) | | BRAZOS | 8,246,693 | 6,944,619 | 5,155,582 | 3,861,385 | 2,953,511 | 2,743,521 | 2,533,373 |
| Quantity Pumped (annual at each projection date) | | BRAZOS | 330,179 | 267,764 | 210,668 | 156,745 | 109,741 | 91,026 | 81,651 |
| | | | | | | | | | |
| | | | | | | | | | |

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|---|---------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| LUBBOCK County | | | | | | | | | |
| Municipal | ABERNATHY | BRAZOS | 153 | 171 | 182 | 188 | 186 | 190 | 186 |
| Municipal | COUNTY-OTHER | BRAZOS | 3,417 | 3,006 | 3,051 | 3,053 | 2,909 | 2,907 | 2,744 |
| Municipal | IDALOU | BRAZOS | 288 | 289 | 288 | 281 | 274 | 273 | 272 |
| Municipal | LUBBOCK | BRAZOS | 40,460 | 41,765 | 42,580 | 42,652 | 42,033 | 42,349 | 41,915 |
| Municipal | NEW DEAL | BRAZOS | 126 | 149 | 165 | 173 | 173 | 178 | 173 |
| Municipal | RANSOM CANYON | BRAZOS | 310 | 440 | 569 | 698 | 825 | 953 | 1,004 |
| Municipal | SHALLOWATER | BRAZOS | 311 | 344 | 367 | 377 | 371 | 379 | 371 |
| Municipal | SLATON | BRAZOS | 931 | 907 | 889 | 870 | 849 | 837 | 836 |
| Municipal | WOLFFORTH | BRAZOS | 412 | 1,468 | 1,758 | 1,822 | 1,884 | 1,962 | 2,006 |
| Municipal | Total | | 46,408 | 48,539 | 49,849 | 50,114 | 49,504 | 50,028 | 49,507 |
| Manufacturing | | BRAZOS | 1,566 | 1,881 | 2,103 | 2,291 | 2,472 | 2,625 | 2,836 |
| Steam-Electric | | BRAZOS | 5,776 | 5,221 | 4,440 | 5,191 | 6,106 | 7,222 | 8,582 |
| Irrigation | | BRAZOS | 242,978 | 174,779 | 164,967 | 155,706 | 146,964 | 138,715 | 130,929 |
| Mining | | BRAZOS | 352 | 209 | 101 | 59 | 25 | 0 | 0 |
| Livestock | | BRAZOS | 972 | 1,136 | 1,248 | 1,316 | 1,389 | 1,466 | 1,548 |
| | TOTAL | | 298,052 | 231,765 | 222,708 | 214,677 | 206,460 | 200,056 | 193,402 |
| SUPPLY INFORMATION | | | | | | | | | |
| Quantity in Storage (in 2004, enter in 2000 col.) | | BRAZOS | 7,439,809 | 6,632,577 | 5,611,743 | 4,952,167 | 4,159,806 | 4,141,607 | 4,114,001 |
| Quantity Pumped (annual at each projection date) | | BRAZOS | 208,547 | 163,283 | 131,367 | 110,204 | 88,545 | 85,490 | 80,557 |
| | | | | | | | | | |
| LYNN County | | | | | | | | | |
| Municipal | COUNTY-OTHER | BRAZOS | 290 | 299 | 301 | 292 | 282 | 267 | 249 |
| Municipal | COUNTY-OTHER | COLORADO | 6 | 7 | 7 | 6 | 6 | 6 | 6 |
| Municipal | O'DONNELL | BRAZOS | 139 | 144 | 146 | 142 | 138 | 130 | 121 |
| Municipal | TAHOKA | BRAZOS | 473 | 492 | 504 | 490 | 478 | 453 | 421 |
| Municipal | WILSON | BRAZOS | 65 | 67 | 68 | 65 | 63 | 60 | 55 |
| Municipal | Total | | 973 | 1,009 | 1,026 | 995 | 967 | 916 | 852 |
| Manufacturing | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Manufacturing | | COLORADO | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Steam-Electric | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Steam-Electric | | COLORADO | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Irrigation | | BRAZOS | 119,289 | 48,861 | 46,233 | 43,746 | 41,392 | 39,165 | 37,059 |
| Irrigation | | COLORADO | 1,083 | 444 | 420 | 397 | 376 | 356 | 336 |
| Mining | | BRAZOS | 66 | 39 | 19 | 11 | 5 | 0 | 0 |
| Mining | | COLORADO | 15 | 9 | 4 | 2 | 1 | 0 | 0 |
| Livestock | | BRAZOS | 129 | 132 | 136 | 140 | 144 | 149 | 153 |
| Livestock | | COLORADO | 11 | 11 | 11 | 12 | 12 | 12 | 13 |
| | TOTAL | BRAZOS | 120,451 | 50,034 | 47,407 | 44,886 | 42,502 | 40,224 | 38,058 |
| | TOTAL | COLORADO | 1,115 | 471 | 442 | 417 | 395 | 374 | 355 |
| | TOTAL | | 121,566 | 50,505 | 47,849 | 45,303 | 42,897 | 40,598 | 38,413 |
| SUPPLY INFORMATION | | | | | | | | | |
| Quantity in Storage (in 2004, enter in 2000 col.) | | BRAZOS | 5,055,474 | 4,808,231 | 5,137,976 | 5,302,478 | 5,493,078 | 5,761,310 | 6,041,461 |
| Quantity Pumped (annual at each projection date) | | BRAZOS | 86,265 | 45,983 | 42,909 | 39,253 | 34,794 | 34,664 | 34,555 |
| Quantity in Storage (in 2004, enter in 2000 col.) | | COLORADO | 370,105 | 388,963 | 413,787 | 435,222 | 455,254 | 460,025 | 464,792 |
| Quantity Pumped (annual at each projection date) | | COLORADO | 818 | 452 | 428 | 404 | 383 | 364 | 346 |
| | | | | | | | | | |
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|---|--------------|--------|-----------|-----------|-----------|-----------|---------|---------|---------|--|
| MOTLEY County | | | | | | | | | | |
| Municipal | COUNTY-OTHER | RED | 148 | 143 | 136 | 123 | 108 | 98 | 93 | |
| Municipal | MATADOR | RED | 239 | 234 | 224 | 207 | 187 | 174 | 166 | |
| Municipal | Total | | 387 | 377 | 360 | 330 | 295 | 272 | 259 | |
| Manufacturing | | RED | 5 | 6 | 6 | 6 | 6 | 6 | 6 | |
| Steam-Electric | | RED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Irrigation | | RED | 9,168 | 4,689 | 4,548 | 4,413 | 4,281 | 4,153 | 4,028 | |
| Mining | | RED | 15 | 9 | 4 | 3 | 1 | 0 | 0 | |
| Livestock | | RED | 625 | 636 | 647 | 659 | 671 | 684 | 698 | |
| | TOTAL | | 10,200 | 5,717 | 5,565 | 5,411 | 5,254 | 5,115 | 4,991 | |
| SUPPLY INFORMATION | | | | | | | | | | |
| Quantity in Storage (in 2004, enter in 2000 col.) | | Red | 1,128,903 | 1,099,574 | 1,060,231 | 1,019,923 | 992,186 | 980,485 | 974,785 | |
| Quantity Pumped (annual at each projection date) | | Red | 7,142 | 4,581 | 4,434 | 2,288 | 2,215 | 2,157 | 2,094 | |
| | | | | | | | | | | |
| PARMER County | | | | | | | | | | |
| Municipal | BOVINA | BRAZOS | 309 | 321 | 334 | 335 | 330 | 317 | 300 | |
| Municipal | COUNTY-OTHER | BRAZOS | 287 | 297 | 305 | 304 | 298 | 286 | 270 | |
| Municipal | COUNTY-OTHER | RED | 106 | 110 | 113 | 112 | 110 | 106 | 100 | |
| Municipal | FARWELL | BRAZOS | 370 | 388 | 405 | 410 | 408 | 393 | 371 | |
| Municipal | FRIONA | RED | 803 | 835 | 872 | 879 | 870 | 838 | 791 | |
| Municipal | Total | | 1,875 | 1,951 | 2,029 | 2,040 | 2,016 | 1,940 | 1,832 | |
| Manufacturing | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Manufacturing | | RED | 2,070 | 2,427 | 2,617 | 2,772 | 2,921 | 3,051 | 3,261 | |
| Steam-Electric | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Steam-Electric | | RED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Irrigation | | BRAZOS | 294,969 | 243,430 | 240,846 | 238,289 | 235,759 | 233,256 | 230,779 | |
| Irrigation | | RED | 120,480 | 99,429 | 98,373 | 97,329 | 96,296 | 95,273 | 94,262 | |
| Mining | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Mining | | RED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Livestock | | BRAZOS | 3,372 | 4,579 | 5,581 | 5,845 | 6,126 | 6,425 | 6,741 | |
| Livestock | | RED | 2,323 | 3,154 | 3,844 | 4,027 | 4,221 | 4,426 | 4,644 | |
| | TOTAL | BRAZOS | 299,307 | 249,015 | 247,471 | 245,183 | 242,921 | 240,677 | 238,461 | |
| | TOTAL | RED | 125,782 | 105,955 | 105,819 | 105,119 | 104,418 | 103,694 | 103,058 | |
| | TOTAL | | 425,089 | 354,970 | 353,290 | 350,302 | 347,339 | 344,371 | 341,519 | |
| SUPPLY INFORMATION | | | | | | | | | | |
| Quantity in Storage (in 2004, enter in 2000 col.) | | Red | 1,107,745 | 796,752 | 509,443 | 365,177 | 286,559 | 260,210 | 239,836 | |
| Quantity Pumped (annual at each projection date) | | Red | 84,767 | 48,126 | 26,067 | 12,196 | 9,990 | 7,069 | 5,564 | |
| Quantity in Storage (in 2004, enter in 2000 col.) | | BRAZOS | 1,892,565 | 1,200,172 | 496,656 | 204,552 | 134,266 | 125,400 | 118,429 | |
| Quantity Pumped (annual at each projection date) | | BRAZOS | 180,762 | 114,628 | 60,373 | 19,536 | 4,285 | 2,651 | 2,642 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

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|---|--------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| SWISHER County | | | | | | | | | | |
| Municipal | COUNTY-OTHER | BRAZOS | 41 | 41 | 42 | 41 | 41 | 40 | 38 | |
| Municipal | COUNTY-OTHER | RED | 207 | 211 | 211 | 211 | 207 | 202 | 193 | |
| Municipal | HAPPY | RED | 107 | 109 | 110 | 111 | 110 | 108 | 103 | |
| Municipal | KRESS | BRAZOS | 21 | 22 | 22 | 22 | 22 | 21 | 20 | |
| Municipal | KRESS | RED | 80 | 82 | 82 | 83 | 81 | 79 | 76 | |
| Municipal | TULIA | RED | 1,020 | 1,050 | 1,065 | 1,072 | 1,064 | 1,038 | 993 | |
| Municipal | Total | | 1,476 | 1,515 | 1,532 | 1,540 | 1,525 | 1,488 | 1,423 | |
| Manufacturing | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Manufacturing | | RED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Steam-Electric | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Steam-Electric | | RED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Irrigation | | BRAZOS | 73,834 | 66,689 | 63,892 | 65,929 | 65,552 | 65,178 | 64,805 | |
| Irrigation | | RED | 97,872 | 88,400 | 84,693 | 87,393 | 86,894 | 86,397 | 85,904 | |
| Mining | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Mining | | RED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Livestock | | BRAZOS | 212 | 255 | 286 | 302 | 318 | 335 | 353 | |
| Livestock | | RED | 2,909 | 3,502 | 3,930 | 4,140 | 4,363 | 4,600 | 4,852 | |
| | TOTAL | BRAZOS | 74,108 | 67,007 | 64,242 | 66,294 | 65,933 | 65,574 | 65,216 | |
| | TOTAL | RED | 102,195 | 93,354 | 90,091 | 93,010 | 92,719 | 92,424 | 92,121 | |
| | TOTAL | | 176,303 | 160,361 | 154,333 | 159,304 | 158,652 | 157,998 | 157,337 | |
| SUPPLY INFORMATION | | | | | | | | | | |
| Quantity in Storage (in 2004, enter in 2000 col.) | Red | | 6,819,588 | 6,377,657 | 5,725,090 | 5,127,016 | 4,605,948 | 4,378,512 | 4,174,484 | |
| Quantity Pumped (annual at each projection date) | Red | | 97,442 | 93,170 | 84,809 | 75,784 | 66,827 | 64,355 | 63,614 | |
| Quantity in Storage (in 2004, enter in 2000 col.) | BRAZOS | | 749,269 | 438,658 | 111,975 | 29,204 | 16,981 | 13,621 | 9,933 | |
| Quantity Pumped (annual at each projection date) | BRAZOS | | 66,489 | 59,724 | 23,582 | 2,488 | 1,098 | 533 | 531 | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| TERRY County | | | | | | | | | | |
| Municipal | BROWNFIELD | COLORADO | 2,593 | 2,747 | 2,905 | 3,047 | 3,181 | 3,185 | 3,167 | |
| Municipal | COUNTY-OTHER | BRAZOS | 13 | 14 | 14 | 15 | 16 | 15 | 15 | |
| Municipal | COUNTY-OTHER | COLORADO | 362 | 376 | 393 | 407 | 419 | 418 | 415 | |
| Municipal | MEADOW | COLORADO | 70 | 73 | 75 | 78 | 80 | 79 | 79 | |
| Municipal | Total | | 3,038 | 3,210 | 3,387 | 3,547 | 3,696 | 3,697 | 3,676 | |
| Manufacturing | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Manufacturing | | COLORADO | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| Steam-Electric | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Steam-Electric | | COLORADO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Irrigation | | BRAZOS | 10,157 | 6,350 | 6,025 | 5,716 | 5,423 | 5,145 | 4,881 | |
| Irrigation | | COLORADO | 192,984 | 120,659 | 114,472 | 108,603 | 103,036 | 97,753 | 92,741 | |
| Mining | | BRAZOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Mining | | COLORADO | 930 | 554 | 266 | 155 | 66 | 0 | 0 | |
| Livestock | | BRAZOS | 3 | 5 | 7 | 7 | 8 | 8 | 8 | |
| Livestock | | COLORADO | 116 | 196 | 276 | 279 | 281 | 285 | 288 | |
| | TOTAL | BRAZOS | 10,173 | 6,369 | 6,046 | 5,738 | 5,447 | 5,168 | 4,904 | |
| | TOTAL | COLORADO | 197,056 | 124,606 | 118,388 | 112,570 | 107,064 | 101,721 | 96,691 | |
| | TOTAL | | 207,229 | 130,975 | 124,434 | 118,308 | 112,511 | 106,889 | 101,595 | |
| SUPPLY INFORMATION | | | | | | | | | | |
| Quantity in Storage (in 2004, enter in 2000 col.) | BRAZOS | | 447,345 | 424,035 | 403,426 | 383,304 | 435,139 | 400,547 | 374,030 | |
| Quantity Pumped (annual at each projection date) | BRAZOS | | 8,237 | 6,069 | 5,756 | 5,461 | 4,704 | 4,713 | 4,719 | |
| Quantity in Storage (in 2004, enter in 2000 col.) | COLORADO | | 4,129,436 | 3,737,389 | 3,397,878 | 3,179,834 | 2,993,744 | 3,120,368 | 3,245,025 | |
| Quantity Pumped (annual at each projection date) | COLORADO | | 158,282 | 113,165 | 86,251 | 67,983 | 54,595 | 54,570 | 54,553 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | | | | | | | | |
|---|--------------|----------|-------------|-------------|------------|------------|------------|------------|------------|--|
| YOAKUM County | | | | | | | | | | |
| Municipal | COUNTY-OTHER | COLORADO | 264 | 286 | 305 | 314 | 323 | 312 | 302 | |
| Municipal | DENVER CITY | COLORADO | 955 | 1,043 | 1,126 | 1,172 | 1,220 | 1,181 | 1,141 | |
| Municipal | PLAINS | COLORADO | 378 | 416 | 448 | 468 | 488 | 473 | 457 | |
| Municipal | Total | | 1,597 | 1,745 | 1,879 | 1,954 | 2,031 | 1,966 | 1,900 | |
| Manufacturing | | COLORADO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Steam-Electric | | COLORADO | 1,852 | 2,597 | 3,718 | 4,346 | 5,113 | 6,047 | 7,186 | |
| Irrigation | | COLORADO | 127,059 | 96,982 | 92,340 | 87,920 | 83,712 | 79,705 | 75,890 | |
| Mining | | COLORADO | 3,159 | 2,416 | 1,524 | 706 | 204 | 56 | 0 | |
| Livestock | | COLORADO | 214 | 218 | 273 | 278 | 282 | 288 | 293 | |
| | TOTAL | | 133,881 | 103,958 | 99,734 | 95,204 | 91,342 | 88,062 | 85,269 | |
| SUPPLY INFORMATION | | | | | | | | | | |
| Quantity in Storage (in 2004, enter in 2000 col.) | | COLORADO | 2,535,125 | 2,315,236 | 2,139,844 | 2,058,838 | 2,022,227 | 2,044,589 | 2,066,814 | |
| Quantity Pumped (annual at each projection date) | | COLORADO | 96,729 | 59,042 | 36,508 | 25,975 | 20,122 | 19,284 | 19,012 | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | TOTAL | CANADIAN | 102 | 131 | 153 | 161 | 169 | 177 | 186 | |
| | TOTAL | RED | 940,654 | 709,498 | 692,903 | 680,146 | 664,749 | 649,824 | 635,618 | |
| | TOTAL | BRAZOS | 2,617,724 | 2,105,256 | 2,041,256 | 1,984,330 | 1,927,066 | 1,874,135 | 1,824,353 | |
| | TOTAL | COLORADO | 971,601 | 724,676 | 686,733 | 651,095 | 617,641 | 586,525 | 558,280 | |
| | TOTAL | TOTAL | 4,530,081 | 3,539,561 | 3,421,045 | 3,315,732 | 3,209,625 | 3,110,661 | 3,018,437 | |
| SUPPLY INFORMATION | | | | | | | | | | |
| Quantity in Storage (in 2004, enter in 2000 col.) | | CANADIAN | 2,599 | 1,798 | 894 | 684 | 684 | 684 | 684 | |
| Quantity Pumped (annual at each projection date) | | CANADIAN | 171 | 112 | 74 | 0 | 0 | 0 | 0 | |
| Quantity in Storage (in 2004, enter in 2000 col.) | | RED | 28,068,284 | 25,013,653 | 21,406,705 | 18,622,337 | 16,682,812 | 16,044,399 | 15,515,606 | |
| Quantity Pumped (annual at each projection date) | | RED | 738,342 | 540,361 | 410,193 | 301,997 | 224,550 | 211,917 | 200,889 | |
| Quantity in Storage (in 2004, enter in 2000 col.) | | BRAZOS | 67,904,255 | 59,672,558 | 50,266,184 | 43,513,180 | 38,301,217 | 35,137,484 | 37,079,584 | |
| Quantity Pumped (annual at each projection date) | | BRAZOS | 1,986,038 | 1,588,026 | 1,286,805 | 956,947 | 676,569 | 600,014 | 559,631 | |
| Quantity in Storage (in 2004, enter in 2000 col.) | | COLORADO | 30,450,745 | 28,246,647 | 26,125,838 | 24,753,718 | 23,845,033 | 24,053,386 | 24,238,740 | |
| Quantity Pumped (annual at each projection date) | | COLORADO | 739,978 | 529,513 | 366,752 | 282,549 | 222,140 | 206,956 | 200,833 | |
| Quantity in Storage (in 2004, enter in 2000 col.) | | TOTAL | 126,425,883 | 112,934,656 | 97,799,621 | 86,889,919 | 78,829,746 | 75,235,953 | 76,834,614 | |
| Quantity Pumped (annual at each projection date) | | TOTAL | 3,464,529 | 2,658,012 | 2,063,825 | 1,541,493 | 1,123,259 | 1,018,887 | 961,354 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | | | | | | | |
|--|----------------|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | BASIN | | | | | | | | |
| | CANADIAN Basin | Municipal | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| | CANADIAN Basin | Manufacturing | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | CANADIAN Basin | Steam-Electric | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | CANADIAN Basin | Irrigation | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | CANADIAN Basin | Mining | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | CANADIAN Basin | Livestock | 102 | 130 | 152 | 160 | 168 | 176 | 185 |
| | CANADIAN Basin | TOTAL | 102 | 131 | 153 | 161 | 169 | 177 | 186 |
| | | | | | | | | | |
| | RED Basin | Municipal | 7,548 | 7,875 | 8,177 | 8,378 | 8,474 | 8,417 | 8,301 |
| | RED Basin | Manufacturing | 3,404 | 3,999 | 4,338 | 4,616 | 4,884 | 5,116 | 5,474 |
| | RED Basin | Steam-Electric | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | RED Basin | Irrigation | 909,585 | 672,094 | 650,427 | 635,776 | 618,509 | 601,809 | 585,660 |
| | RED Basin | Mining | 85 | 50 | 24 | 14 | 6 | 0 | 0 |
| | RED Basin | Livestock | 20,032 | 25,480 | 29,937 | 31,362 | 32,876 | 34,482 | 36,183 |
| | RED Basin | TOTAL | 940,654 | 709,498 | 692,903 | 680,146 | 664,749 | 649,824 | 635,618 |
| | | | | | | | | | |
| | BRAZOS Basin | Municipal | 68,499 | 71,548 | 73,708 | 74,315 | 73,668 | 73,641 | 72,420 |
| | BRAZOS Basin | Manufacturing | 6,558 | 7,659 | 8,281 | 8,786 | 9,267 | 9,678 | 10,362 |
| | BRAZOS Basin | Steam-Electric | 23,766 | 23,048 | 22,103 | 25,842 | 30,398 | 35,953 | 42,724 |
| | BRAZOS Basin | Irrigation | 2,497,120 | 1,977,352 | 1,907,861 | 1,845,808 | 1,783,840 | 1,724,278 | 1,667,010 |
| | BRAZOS Basin | Mining | 5,630 | 3,681 | 2,141 | 1,351 | 530 | 23 | 2 |
| | BRAZOS Basin | Livestock | 16,151 | 21,968 | 27,162 | 28,228 | 29,363 | 30,562 | 31,835 |
| | BRAZOS Basin | TOTAL | 2,617,724 | 2,105,256 | 2,041,256 | 1,984,330 | 1,927,066 | 1,874,135 | 1,824,353 |
| | | | | | | | | | |
| | COLORADO Basin | Municipal | 11,315 | 11,995 | 12,621 | 13,058 | 13,371 | 13,145 | 12,864 |
| | COLORADO Basin | Manufacturing | 102 | 120 | 130 | 138 | 145 | 151 | 163 |
| | COLORADO Basin | Steam-Electric | 1,852 | 2,597 | 3,718 | 4,346 | 5,113 | 6,047 | 7,186 |
| | COLORADO Basin | Irrigation | 941,172 | 695,692 | 660,211 | 626,548 | 594,610 | 564,308 | 535,557 |
| | COLORADO Basin | Mining | 15,721 | 12,593 | 8,115 | 4,994 | 2,316 | 705 | 256 |
| | COLORADO Basin | Livestock | 1,439 | 1,679 | 1,938 | 2,011 | 2,086 | 2,169 | 2,254 |
| | COLORADO Basin | TOTAL | 971,601 | 724,676 | 686,733 | 651,095 | 617,641 | 586,525 | 558,280 |
| | | | | | | | | | |
| | REGION O | Municipal | 87,362 | 91,419 | 94,507 | 95,752 | 95,514 | 95,204 | 93,586 |
| | REGION O | Manufacturing | 10,064 | 11,778 | 12,749 | 13,540 | 14,296 | 14,945 | 15,999 |
| | REGION O | Steam-Electric | 25,618 | 25,645 | 25,821 | 30,188 | 35,511 | 42,000 | 49,910 |
| | REGION O | Irrigation | 4,347,877 | 3,345,138 | 3,218,499 | 3,108,132 | 2,996,959 | 2,890,395 | 2,788,227 |
| | REGION O | Mining | 21,436 | 16,324 | 10,280 | 6,359 | 2,852 | 728 | 258 |
| | REGION O | Livestock | 37,724 | 49,257 | 59,189 | 61,761 | 64,493 | 67,389 | 70,457 |
| | REGION O | TOTAL | 4,530,081 | 3,539,561 | 3,421,045 | 3,315,732 | 3,209,625 | 3,110,661 | 3,018,437 |