



Appendix A

TWDB DB17 Reports

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Water User Group (WUG) Population

| REGION L | WUG POPULATION | | | | | |
|---|----------------|---------------|---------------|---------------|---------------|---------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| ATASCOSA COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| BENTON CITY WSC | 8,157 | 9,426 | 10,583 | 11,712 | 12,772 | 13,759 |
| CHARLOTTE | 2,008 | 2,321 | 2,605 | 2,883 | 3,144 | 3,387 |
| JOURDANTON | 4,532 | 5,237 | 5,880 | 6,506 | 7,096 | 7,644 |
| LYTLE | 2,339 | 2,703 | 3,035 | 3,358 | 3,663 | 3,946 |
| MCCOY WSC | 7,305 | 8,442 | 9,478 | 10,488 | 11,439 | 12,321 |
| PLEASANTON | 10,459 | 12,086 | 13,569 | 15,016 | 16,377 | 17,641 |
| POTEET | 3,817 | 4,411 | 4,952 | 5,480 | 5,976 | 6,437 |
| SAN ANTONIO WATER SYSTEM | 5,772 | 6,670 | 7,488 | 8,286 | 9,037 | 9,735 |
| COUNTY-OTHER | 6,592 | 7,618 | 8,553 | 9,464 | 10,325 | 11,119 |
| NUECES BASIN TOTAL POPULATION | 50,981 | 58,914 | 66,143 | 73,193 | 79,829 | 85,989 |
| SAN ANTONIO BASIN | | | | | | |
| BENTON CITY WSC | 1,008 | 1,165 | 1,308 | 1,447 | 1,579 | 1,700 |
| COUNTY-OTHER | 585 | 676 | 759 | 841 | 916 | 987 |
| SAN ANTONIO BASIN TOTAL POPULATION | 1,593 | 1,841 | 2,067 | 2,288 | 2,495 | 2,687 |
| ATASCOSA COUNTY TOTAL POPULATION | 52,574 | 60,755 | 68,210 | 75,481 | 82,324 | 88,676 |
| BEXAR COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| ATASCOSA RURAL WSC | 687 | 829 | 960 | 1,086 | 1,201 | 1,307 |
| LYTLE | 56 | 75 | 92 | 109 | 124 | 138 |
| COUNTY-OTHER | 8,037 | 9,022 | 9,926 | 10,795 | 11,593 | 12,320 |
| NUECES BASIN TOTAL POPULATION | 8,780 | 9,926 | 10,978 | 11,990 | 12,918 | 13,765 |
| SAN ANTONIO BASIN | | | | | | |
| ALAMO HEIGHTS | 8,095 | 8,423 | 8,423 | 8,423 | 8,423 | 8,423 |
| ATASCOSA RURAL WSC | 11,898 | 14,365 | 16,632 | 18,810 | 20,809 | 22,632 |
| BALCONES HEIGHTS | 3,386 | 3,828 | 4,234 | 4,624 | 4,982 | 5,308 |
| CASTLE HILLS | 4,739 | 4,739 | 4,739 | 4,739 | 4,739 | 4,739 |
| CHINA GROVE | 1,358 | 1,535 | 1,698 | 1,854 | 1,997 | 2,128 |
| CONVERSE | 23,289 | 25,936 | 28,193 | 28,193 | 28,193 | 28,193 |
| EAST CENTRAL SUD | 9,626 | 10,731 | 11,747 | 12,723 | 13,619 | 14,437 |
| ELMENDORF | 2,131 | 2,781 | 3,379 | 3,953 | 4,480 | 4,961 |
| FAIR OAKS RANCH | 4,959 | 5,286 | 5,446 | 5,387 | 5,642 | 5,874 |
| GREEN VALLEY SUD | 3,179 | 3,594 | 3,975 | 4,341 | 4,677 | 4,983 |
| HELOTES | 9,803 | 12,249 | 14,497 | 16,657 | 18,639 | 20,447 |
| HILL COUNTRY VILLAGE | 1,028 | 1,028 | 1,028 | 1,028 | 1,028 | 1,028 |
| HOLLYWOOD PARK | 3,126 | 3,190 | 3,249 | 3,305 | 3,357 | 3,404 |
| KIRBY | 9,210 | 10,411 | 10,494 | 10,495 | 10,495 | 10,495 |
| LACKLAND AFB | 9,918 | 9,918 | 9,918 | 9,918 | 9,918 | 9,918 |
| LEON VALLEY | 10,886 | 11,616 | 12,287 | 12,932 | 13,524 | 14,064 |
| LIVE OAK | 15,117 | 15,480 | 15,480 | 15,480 | 15,480 | 15,480 |
| OLMOS PARK | 2,576 | 2,912 | 3,220 | 3,517 | 3,789 | 4,038 |
| RANDOLPH AFB | 1,429 | 1,615 | 1,787 | 1,951 | 2,102 | 2,240 |

Water User Group (WUG) Population

| REGION L | WUG POPULATION | | | | | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| BEXAR COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| SAN ANTONIO | 1,528,077 | 1,727,411 | 1,910,640 | 2,086,678 | 2,248,192 | 2,395,583 |
| SAN ANTONIO WATER SYSTEM | 227,729 | 257,436 | 284,742 | 310,977 | 335,047 | 357,013 |
| SCHERTZ | 1,485 | 1,866 | 2,347 | 2,859 | 3,473 | 4,035 |
| SELMA | 4,777 | 5,400 | 5,973 | 6,523 | 7,028 | 7,488 |
| SHAVANO PARK | 3,494 | 3,950 | 4,369 | 4,772 | 5,141 | 5,478 |
| SOMERSET | 1,878 | 2,123 | 2,348 | 2,564 | 2,763 | 2,944 |
| ST. HEDWIG | 2,411 | 2,726 | 3,015 | 3,292 | 3,547 | 3,780 |
| TERRELL HILLS | 5,616 | 5,616 | 5,616 | 5,616 | 5,616 | 5,616 |
| THE OAKS WSC | 2,114 | 2,519 | 2,892 | 3,250 | 3,579 | 3,879 |
| UNIVERSAL CITY | 21,332 | 21,970 | 21,970 | 21,970 | 21,970 | 21,970 |
| VON ORMY | 1,250 | 1,412 | 1,562 | 1,706 | 1,838 | 1,959 |
| WATER SERVICES INC | 4,102 | 4,587 | 5,032 | 5,460 | 5,853 | 6,211 |
| WINDCREST | 5,573 | 5,781 | 5,972 | 6,156 | 6,324 | 6,478 |
| COUNTY-OTHER | 19,670 | 29,190 | 40,372 | 53,525 | 65,137 | 75,735 |
| SAN ANTONIO BASIN TOTAL POPULATION | 1,965,261 | 2,221,624 | 2,457,276 | 2,683,678 | 2,891,401 | 3,080,961 |
| BEXAR COUNTY TOTAL POPULATION | 1,974,041 | 2,231,550 | 2,468,254 | 2,695,668 | 2,904,319 | 3,094,726 |
| CALDWELL COUNTY | | | | | | |
| COLORADO BASIN | | | | | | |
| AQUA WSC | 260 | 318 | 375 | 432 | 489 | 545 |
| CREEDMOOR-MAHA WSC | 1,021 | 1,249 | 1,476 | 1,699 | 1,926 | 2,144 |
| MUSTANG RIDGE | 514 | 629 | 743 | 855 | 969 | 1,079 |
| POLONIA WSC | 2,269 | 2,776 | 3,278 | 3,774 | 4,275 | 4,763 |
| COUNTY-OTHER | 426 | 524 | 619 | 713 | 807 | 901 |
| COLORADO BASIN TOTAL POPULATION | 4,490 | 5,496 | 6,491 | 7,473 | 8,466 | 9,432 |
| GUADALUPE BASIN | | | | | | |
| AQUA WSC | 1,470 | 1,800 | 2,126 | 2,447 | 2,773 | 3,089 |
| COUNTY LINE WSC | 1,173 | 1,436 | 1,695 | 1,952 | 2,212 | 2,464 |
| CREEDMOOR-MAHA WSC | 260 | 320 | 377 | 434 | 491 | 548 |
| GOFORTH SUD | 377 | 462 | 546 | 628 | 712 | 793 |
| GONZALES COUNTY WSC | 182 | 223 | 264 | 304 | 344 | 383 |
| LOCKHART | 15,680 | 19,198 | 22,668 | 26,100 | 29,568 | 32,942 |
| LULING | 6,658 | 8,152 | 9,625 | 11,083 | 12,555 | 13,988 |
| MARTINDALE | 1,378 | 1,687 | 1,992 | 2,293 | 2,598 | 2,895 |
| MAXWELL WSC | 4,070 | 4,983 | 5,883 | 6,774 | 7,674 | 8,550 |
| MUSTANG RIDGE | 13 | 16 | 19 | 22 | 25 | 28 |
| NIEDERWALD | 160 | 196 | 232 | 267 | 302 | 337 |
| POLONIA WSC | 4,813 | 5,894 | 6,960 | 8,014 | 9,079 | 10,115 |
| SAN MARCOS | 9 | 15 | 21 | 27 | 33 | 39 |
| UHLAND | 614 | 752 | 889 | 1,023 | 1,159 | 1,291 |

Water User Group (WUG) Population

| REGION L | WUG POPULATION | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| CALDWELL COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| COUNTY-OTHER | 5,661 | 6,923 | 8,167 | 9,402 | 10,648 | 11,860 |
| GUADALUPE BASIN TOTAL POPULATION | 42,518 | 52,057 | 61,464 | 70,770 | 80,173 | 89,322 |
| CALDWELL COUNTY TOTAL POPULATION | 47,008 | 57,553 | 67,955 | 78,243 | 88,639 | 98,754 |
| CALHOUN COUNTY | | | | | | |
| COLORADO-LAVACA BASIN | | | | | | |
| POINT COMFORT | 829 | 927 | 1,022 | 1,113 | 1,204 | 1,292 |
| COUNTY-OTHER | 802 | 896 | 988 | 1,077 | 1,165 | 1,249 |
| COLORADO-LAVACA BASIN TOTAL POPULATION | 1,631 | 1,823 | 2,010 | 2,190 | 2,369 | 2,541 |
| LAVACA-GUADALUPE BASIN | | | | | | |
| CALHOUN COUNTY WS | 4,401 | 4,919 | 5,423 | 5,909 | 6,390 | 6,857 |
| PORT LAVACA | 13,770 | 15,391 | 16,969 | 18,490 | 19,996 | 21,456 |
| PORT O'CONNOR MUD | 1,409 | 1,575 | 1,736 | 1,892 | 2,046 | 2,195 |
| SEADRIFT | 1,534 | 1,714 | 1,890 | 2,060 | 2,227 | 2,390 |
| COUNTY-OTHER | 1,214 | 1,357 | 1,498 | 1,630 | 1,765 | 1,893 |
| LAVACA-GUADALUPE BASIN TOTAL POPULATION | 22,328 | 24,956 | 27,516 | 29,981 | 32,424 | 34,791 |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| COUNTY-OTHER | 78 | 87 | 96 | 105 | 113 | 122 |
| SAN ANTONIO-NUECES BASIN TOTAL POPULATION | 78 | 87 | 96 | 105 | 113 | 122 |
| CALHOUN COUNTY TOTAL POPULATION | 24,037 | 26,866 | 29,622 | 32,276 | 34,906 | 37,454 |
| COMAL COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| BULVERDE | 56 | 66 | 77 | 88 | 99 | 110 |
| CANYON LAKE WATER SERVICE COMPANY | 24,848 | 35,043 | 45,401 | 55,857 | 66,241 | 76,210 |
| CRYSTAL CLEAR WSC | 2,087 | 2,404 | 2,726 | 3,051 | 3,373 | 3,683 |
| GARDEN RIDGE | 3,017 | 4,103 | 5,205 | 6,318 | 7,424 | 8,485 |
| GREEN VALLEY SUD | 355 | 450 | 547 | 644 | 741 | 833 |
| NEW BRAUNFELS | 60,609 | 75,734 | 91,096 | 106,606 | 122,011 | 136,799 |
| SAN ANTONIO WATER SYSTEM | 5,328 | 7,953 | 10,620 | 13,313 | 15,988 | 18,488 |
| SCHERTZ | 1,531 | 2,490 | 3,741 | 5,200 | 7,011 | 8,845 |
| COUNTY-OTHER | 23,390 | 23,788 | 23,846 | 23,933 | 23,544 | 23,254 |
| GUADALUPE BASIN TOTAL POPULATION | 121,221 | 152,031 | 183,259 | 215,010 | 246,432 | 276,707 |
| SAN ANTONIO BASIN | | | | | | |
| BULVERDE | 5,497 | 6,559 | 7,637 | 8,725 | 9,806 | 10,843 |
| CANYON LAKE WATER SERVICE COMPANY | 6,150 | 8,672 | 11,231 | 13,816 | 16,385 | 18,850 |
| FAIR OAKS RANCH | 399 | 475 | 537 | 576 | 647 | 715 |
| GARDEN RIDGE | 1,705 | 2,318 | 2,941 | 3,570 | 4,194 | 4,794 |
| SAN ANTONIO WATER SYSTEM | 4,565 | 6,816 | 9,101 | 11,408 | 13,699 | 15,966 |
| SCHERTZ | 38 | 61 | 92 | 128 | 172 | 218 |

Water User Group (WUG) Population

| REGION L | WUG POPULATION | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| COMAL COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| SELMA | 18 | 23 | 27 | 32 | 37 | 42 |
| COUNTY-OTHER | 1,232 | 1,444 | 1,737 | 1,827 | 1,990 | 1,964 |
| SAN ANTONIO BASIN TOTAL POPULATION | 19,604 | 26,368 | 33,303 | 40,082 | 46,930 | 53,392 |
| COMAL COUNTY TOTAL POPULATION | 140,825 | 178,399 | 216,562 | 255,092 | 293,362 | 330,099 |
| DEWITT COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| CUERO | 7,100 | 7,338 | 7,455 | 7,563 | 7,634 | 7,684 |
| GONZALES COUNTY WSC | 356 | 368 | 374 | 380 | 383 | 386 |
| YORKTOWN | 2,171 | 2,244 | 2,280 | 2,313 | 2,335 | 2,350 |
| COUNTY-OTHER | 7,166 | 7,406 | 7,525 | 7,633 | 7,705 | 7,755 |
| GUADALUPE BASIN TOTAL POPULATION | 16,793 | 17,356 | 17,634 | 17,889 | 18,057 | 18,175 |
| LAVACA BASIN | | | | | | |
| YOAKUM | 2,219 | 2,294 | 2,330 | 2,364 | 2,386 | 2,402 |
| COUNTY-OTHER | 1,274 | 1,316 | 1,338 | 1,357 | 1,370 | 1,379 |
| LAVACA BASIN TOTAL POPULATION | 3,493 | 3,610 | 3,668 | 3,721 | 3,756 | 3,781 |
| LAVACA-GUADALUPE BASIN | | | | | | |
| COUNTY-OTHER | 13 | 13 | 14 | 14 | 14 | 14 |
| LAVACA-GUADALUPE BASIN TOTAL POPULATION | 13 | 13 | 14 | 14 | 14 | 14 |
| SAN ANTONIO BASIN | | | | | | |
| COUNTY-OTHER | 556 | 576 | 584 | 592 | 598 | 602 |
| SAN ANTONIO BASIN TOTAL POPULATION | 556 | 576 | 584 | 592 | 598 | 602 |
| DEWITT COUNTY TOTAL POPULATION | 20,855 | 21,555 | 21,900 | 22,216 | 22,425 | 22,572 |
| DIMMIT COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| ASHERTON | 1,180 | 1,272 | 1,332 | 1,391 | 1,437 | 1,474 |
| BIG WELLS | 759 | 818 | 856 | 895 | 924 | 948 |
| CARRIZO SPRINGS | 5,841 | 6,297 | 6,592 | 6,888 | 7,114 | 7,296 |
| COUNTY-OTHER | 3,071 | 3,313 | 3,468 | 3,623 | 3,742 | 3,837 |
| NUECES BASIN TOTAL POPULATION | 10,851 | 11,700 | 12,248 | 12,797 | 13,217 | 13,555 |
| RIO GRANDE BASIN | | | | | | |
| COUNTY-OTHER | 24 | 25 | 27 | 28 | 29 | 30 |
| RIO GRANDE BASIN TOTAL POPULATION | 24 | 25 | 27 | 28 | 29 | 30 |
| DIMMIT COUNTY TOTAL POPULATION | 10,875 | 11,725 | 12,275 | 12,825 | 13,246 | 13,585 |
| FRIO COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| BENTON CITY WSC | 573 | 632 | 683 | 732 | 776 | 816 |
| DILLEY | 4,340 | 4,783 | 5,168 | 5,539 | 5,874 | 6,176 |
| PEARSALL | 10,192 | 11,233 | 12,137 | 13,009 | 13,795 | 14,505 |

Water User Group (WUG) Population

| REGION L | WUG POPULATION | | | | | |
|--|----------------|---------------|---------------|---------------|---------------|---------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| FRIO COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| COUNTY-OTHER | 4,081 | 4,496 | 4,858 | 5,208 | 5,522 | 5,807 |
| NUECES BASIN TOTAL POPULATION | 19,186 | 21,144 | 22,846 | 24,488 | 25,967 | 27,304 |
| FRIO COUNTY TOTAL POPULATION | 19,186 | 21,144 | 22,846 | 24,488 | 25,967 | 27,304 |
| GOLIAD COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| COUNTY-OTHER | 3,006 | 3,395 | 3,652 | 3,761 | 3,837 | 3,882 |
| GUADALUPE BASIN TOTAL POPULATION | 3,006 | 3,395 | 3,652 | 3,761 | 3,837 | 3,882 |
| SAN ANTONIO BASIN | | | | | | |
| GOLIAD | 2,230 | 2,519 | 2,709 | 2,790 | 2,847 | 2,880 |
| COUNTY-OTHER | 2,515 | 2,841 | 3,056 | 3,147 | 3,211 | 3,248 |
| SAN ANTONIO BASIN TOTAL POPULATION | 4,745 | 5,360 | 5,765 | 5,937 | 6,058 | 6,128 |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| COUNTY-OTHER | 676 | 764 | 822 | 847 | 864 | 874 |
| SAN ANTONIO-NUECES BASIN TOTAL POPULATION | 676 | 764 | 822 | 847 | 864 | 874 |
| GOLIAD COUNTY TOTAL POPULATION | 8,427 | 9,519 | 10,239 | 10,545 | 10,759 | 10,884 |
| GONZALES COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| GONZALES | 7,948 | 8,741 | 9,487 | 10,352 | 11,231 | 12,151 |
| GONZALES COUNTY WSC | 6,264 | 6,889 | 7,477 | 8,159 | 8,852 | 9,578 |
| NIXON | 2,612 | 2,872 | 3,118 | 3,402 | 3,691 | 3,993 |
| SMILEY | 603 | 664 | 720 | 786 | 852 | 922 |
| WAEELDER | 1,170 | 1,287 | 1,397 | 1,524 | 1,653 | 1,789 |
| COUNTY-OTHER | 3,007 | 3,306 | 3,588 | 3,915 | 4,251 | 4,598 |
| GUADALUPE BASIN TOTAL POPULATION | 21,604 | 23,759 | 25,787 | 28,138 | 30,530 | 33,031 |
| LAVACA BASIN | | | | | | |
| COUNTY-OTHER | 147 | 162 | 176 | 192 | 208 | 225 |
| LAVACA BASIN TOTAL POPULATION | 147 | 162 | 176 | 192 | 208 | 225 |
| GONZALES COUNTY TOTAL POPULATION | 21,751 | 23,921 | 25,963 | 28,330 | 30,738 | 33,256 |
| GUADALUPE COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| CRYSTAL CLEAR WSC | 11,211 | 13,479 | 15,799 | 18,068 | 20,378 | 22,646 |
| GONZALES COUNTY WSC | 100 | 121 | 141 | 162 | 182 | 202 |
| GREEN VALLEY SUD | 11,342 | 13,636 | 15,983 | 18,279 | 20,615 | 22,909 |
| LULING | 24 | 28 | 33 | 38 | 43 | 47 |
| NEW BRAUNFELS | 12,373 | 14,875 | 17,436 | 19,940 | 22,489 | 24,991 |
| SANTA CLARA | 123 | 148 | 173 | 198 | 223 | 248 |
| SCHERTZ | 2,962 | 3,958 | 4,657 | 5,342 | 6,036 | 6,716 |
| SEGUIN | 30,675 | 36,879 | 43,227 | 49,436 | 55,756 | 61,960 |
| SPRINGS HILL WSC | 14,564 | 17,510 | 20,524 | 23,472 | 26,472 | 29,418 |

Water User Group (WUG) Population

| REGION L | WUG POPULATION | | | | | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| GUADALUPE COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| COUNTY-OTHER | 5,474 | 6,084 | 7,736 | 9,351 | 10,996 | 12,611 |
| GUADALUPE BASIN TOTAL POPULATION | 88,848 | 106,718 | 125,709 | 144,286 | 163,190 | 181,748 |
| SAN ANTONIO BASIN | | | | | | |
| CIBOLO | 37,000 | 54,800 | 64,234 | 73,459 | 82,849 | 92,069 |
| EAST CENTRAL SUD | 685 | 824 | 965 | 1,104 | 1,245 | 1,384 |
| GREEN VALLEY SUD | 8,280 | 9,955 | 11,669 | 13,345 | 15,051 | 16,726 |
| MARION | 1,299 | 1,562 | 1,831 | 2,094 | 2,361 | 2,624 |
| NEW BERLIN | 623 | 749 | 878 | 1,004 | 1,132 | 1,258 |
| SANTA CLARA | 761 | 915 | 1,072 | 1,226 | 1,383 | 1,537 |
| SCHERTZ | 37,067 | 49,524 | 58,269 | 66,841 | 75,534 | 84,043 |
| SELMA | 2,274 | 5,012 | 5,012 | 5,012 | 5,012 | 5,012 |
| SPRINGS HILL WSC | 1,960 | 2,356 | 2,762 | 3,158 | 3,562 | 3,958 |
| WATER SERVICES INC | 247 | 296 | 347 | 397 | 448 | 498 |
| COUNTY-OTHER | 3,649 | 2,607 | 3,316 | 4,008 | 4,713 | 5,404 |
| SAN ANTONIO BASIN TOTAL POPULATION | 93,845 | 128,600 | 150,355 | 171,648 | 193,290 | 214,513 |
| GUADALUPE COUNTY TOTAL POPULATION | 182,693 | 235,318 | 276,064 | 315,934 | 356,480 | 396,261 |
| HAYS COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| BUDA | 1,658 | 2,184 | 2,826 | 3,627 | 4,533 | 5,564 |
| COUNTY LINE WSC | 2,601 | 3,427 | 4,433 | 5,691 | 7,112 | 8,730 |
| CREEDMOOR-MAHA WSC | 82 | 108 | 139 | 179 | 223 | 274 |
| CRYSTAL CLEAR WSC | 4,393 | 5,131 | 6,029 | 7,152 | 8,421 | 9,865 |
| GOFORTH SUD | 12,870 | 16,829 | 21,650 | 27,677 | 34,487 | 42,238 |
| KYLE | 50,808 | 77,050 | 92,000 | 92,000 | 92,000 | 92,000 |
| MAXWELL WSC | 1,146 | 1,248 | 1,372 | 1,527 | 1,702 | 1,902 |
| MOUNTAIN CITY | 199 | 263 | 340 | 436 | 544 | 668 |
| NIEDERWALD | 601 | 792 | 1,025 | 1,315 | 1,643 | 2,017 |
| PLUM CREEK WATER COMPANY | 10,934 | 15,878 | 15,592 | 15,350 | 15,159 | 15,009 |
| SAN MARCOS | 71,108 | 84,803 | 101,138 | 120,621 | 143,859 | 171,575 |
| UHLAND | 770 | 1,063 | 1,420 | 1,866 | 2,370 | 2,943 |
| WIMBERLEY | 3,627 | 4,780 | 6,183 | 7,937 | 9,919 | 12,175 |
| WIMBERLEY WSC | 4,063 | 6,083 | 8,542 | 11,617 | 15,091 | 19,045 |
| WOODCREEK | 1,641 | 1,853 | 2,111 | 2,434 | 2,798 | 3,213 |
| COUNTY-OTHER | 16,777 | 19,057 | 38,837 | 53,743 | 101,516 | 154,547 |
| GUADALUPE BASIN TOTAL POPULATION | 183,278 | 240,549 | 303,637 | 353,172 | 441,377 | 541,765 |
| HAYS COUNTY TOTAL POPULATION | 183,278 | 240,549 | 303,637 | 353,172 | 441,377 | 541,765 |
| KARNES COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| EL OSO WSC | 32 | 33 | 33 | 33 | 33 | 33 |
| COUNTY-OTHER | 89 | 91 | 92 | 92 | 92 | 92 |
| GUADALUPE BASIN TOTAL POPULATION | 121 | 124 | 125 | 125 | 125 | 125 |

Water User Group (WUG) Population

| REGION L | WUG POPULATION | | | | | |
|--|----------------|---------------|---------------|---------------|---------------|---------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| KARNES COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| EL OSO WSC | 90 | 93 | 93 | 93 | 93 | 93 |
| COUNTY-OTHER | 76 | 80 | 79 | 79 | 79 | 79 |
| NUECES BASIN TOTAL POPULATION | 166 | 173 | 172 | 172 | 172 | 172 |
| SAN ANTONIO BASIN | | | | | | |
| EL OSO WSC | 2,623 | 2,704 | 2,709 | 2,709 | 2,709 | 2,709 |
| FALLS CITY | 638 | 657 | 659 | 659 | 659 | 659 |
| KARNES CITY | 3,172 | 3,271 | 3,277 | 3,277 | 3,277 | 3,277 |
| KENEDY | 3,437 | 3,544 | 3,551 | 3,551 | 3,551 | 3,551 |
| RUNGE | 1,075 | 1,109 | 1,111 | 1,111 | 1,111 | 1,111 |
| SUNKO WSC | 193 | 199 | 200 | 200 | 200 | 200 |
| COUNTY-OTHER | 3,967 | 4,092 | 4,098 | 4,098 | 4,098 | 4,098 |
| SAN ANTONIO BASIN TOTAL POPULATION | 15,105 | 15,576 | 15,605 | 15,605 | 15,605 | 15,605 |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| EL OSO WSC | 23 | 24 | 24 | 24 | 24 | 24 |
| COUNTY-OTHER | 41 | 41 | 42 | 42 | 42 | 42 |
| SAN ANTONIO-NUECES BASIN TOTAL POPULATION | 64 | 65 | 66 | 66 | 66 | 66 |
| KARNES COUNTY TOTAL POPULATION | 15,456 | 15,938 | 15,968 | 15,968 | 15,968 | 15,968 |
| KENDALL COUNTY | | | | | | |
| COLORADO BASIN | | | | | | |
| COUNTY-OTHER | 329 | 406 | 489 | 571 | 655 | 736 |
| COLORADO BASIN TOTAL POPULATION | 329 | 406 | 489 | 571 | 655 | 736 |
| GUADALUPE BASIN | | | | | | |
| KENDALL COUNTY WCID #1 | 3,190 | 3,750 | 4,341 | 4,927 | 5,525 | 6,112 |
| COUNTY-OTHER | 13,000 | 16,289 | 19,764 | 23,208 | 26,724 | 30,175 |
| GUADALUPE BASIN TOTAL POPULATION | 16,190 | 20,039 | 24,105 | 28,135 | 32,249 | 36,287 |
| SAN ANTONIO BASIN | | | | | | |
| BOERNE | 14,367 | 18,820 | 23,524 | 28,187 | 32,947 | 37,619 |
| FAIR OAKS RANCH | 2,482 | 3,431 | 4,318 | 4,965 | 5,898 | 6,814 |
| WATER SERVICES INC | 280 | 346 | 417 | 487 | 558 | 628 |
| COUNTY-OTHER | 8,537 | 9,171 | 9,954 | 10,963 | 11,721 | 12,465 |
| SAN ANTONIO BASIN TOTAL POPULATION | 25,666 | 31,768 | 38,213 | 44,602 | 51,124 | 57,526 |
| KENDALL COUNTY TOTAL POPULATION | 42,185 | 52,213 | 62,807 | 73,308 | 84,028 | 94,549 |
| LA SALLE COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| COTULLA | 4,069 | 4,457 | 4,819 | 5,226 | 5,577 | 5,902 |
| ENCINAL | 632 | 692 | 748 | 811 | 866 | 916 |
| COUNTY-OTHER | 3,075 | 3,368 | 3,642 | 3,950 | 4,214 | 4,461 |
| NUECES BASIN TOTAL POPULATION | 7,776 | 8,517 | 9,209 | 9,987 | 10,657 | 11,279 |
| LA SALLE COUNTY TOTAL POPULATION | 7,776 | 8,517 | 9,209 | 9,987 | 10,657 | 11,279 |

Water User Group (WUG) Population

| REGION L | WUG POPULATION | | | | | |
|--|----------------|---------------|---------------|---------------|---------------|---------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| MEDINA COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| BENTON CITY WSC | 5,157 | 6,193 | 7,074 | 7,842 | 8,535 | 9,138 |
| DEVINE | 4,559 | 4,780 | 4,968 | 5,132 | 5,280 | 5,409 |
| EAST MEDINA COUNTY SUD | 7,719 | 8,873 | 9,854 | 10,710 | 11,482 | 12,153 |
| HONDO | 9,702 | 10,654 | 11,463 | 12,169 | 12,806 | 13,360 |
| LYTLE | 590 | 731 | 851 | 956 | 1,051 | 1,133 |
| NATALIA | 1,638 | 1,857 | 2,043 | 2,206 | 2,352 | 2,480 |
| YANCEY WSC | 1,159 | 1,315 | 1,446 | 1,561 | 1,665 | 1,755 |
| COUNTY-OTHER | 9,511 | 9,986 | 10,738 | 11,330 | 11,816 | 12,172 |
| NUECES BASIN TOTAL POPULATION | 40,035 | 44,389 | 48,437 | 51,906 | 54,987 | 57,600 |
| SAN ANTONIO BASIN | | | | | | |
| CASTROVILLE | 2,696 | 2,713 | 2,728 | 2,741 | 2,753 | 2,763 |
| EAST MEDINA COUNTY SUD | 696 | 800 | 888 | 965 | 1,035 | 1,096 |
| LACOSTE | 1,281 | 1,452 | 1,598 | 1,725 | 1,839 | 1,939 |
| SAN ANTONIO | 52 | 80 | 104 | 125 | 144 | 160 |
| SAN ANTONIO WATER SYSTEM | 2,974 | 4,482 | 5,763 | 6,881 | 7,890 | 8,767 |
| YANCEY WSC | 4,731 | 5,363 | 5,901 | 6,370 | 6,792 | 7,160 |
| COUNTY-OTHER | 188 | 415 | 257 | 183 | 165 | 215 |
| SAN ANTONIO BASIN TOTAL POPULATION | 12,618 | 15,305 | 17,239 | 18,990 | 20,618 | 22,100 |
| MEDINA COUNTY TOTAL POPULATION | 52,653 | 59,694 | 65,676 | 70,896 | 75,605 | 79,700 |
| REFUGIO COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| COUNTY-OTHER | 67 | 69 | 70 | 71 | 71 | 72 |
| SAN ANTONIO BASIN TOTAL POPULATION | 67 | 69 | 70 | 71 | 71 | 72 |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| REFUGIO | 3,009 | 3,104 | 3,126 | 3,179 | 3,201 | 3,215 |
| WOODSBORO | 1,575 | 1,624 | 1,636 | 1,663 | 1,675 | 1,682 |
| COUNTY-OTHER | 3,036 | 3,132 | 3,153 | 3,206 | 3,228 | 3,244 |
| SAN ANTONIO-NUECES BASIN TOTAL POPULATION | 7,620 | 7,860 | 7,915 | 8,048 | 8,104 | 8,141 |
| REFUGIO COUNTY TOTAL POPULATION | 7,687 | 7,929 | 7,985 | 8,119 | 8,175 | 8,213 |
| UVALDE COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| SABINAL | 1,852 | 2,026 | 2,174 | 2,328 | 2,475 | 2,615 |
| UVALDE | 17,208 | 18,819 | 20,199 | 21,628 | 22,992 | 24,299 |
| COUNTY-OTHER | 9,786 | 10,703 | 11,488 | 12,301 | 13,076 | 13,820 |
| NUECES BASIN TOTAL POPULATION | 28,846 | 31,548 | 33,861 | 36,257 | 38,543 | 40,734 |
| UVALDE COUNTY TOTAL POPULATION | 28,846 | 31,548 | 33,861 | 36,257 | 38,543 | 40,734 |
| VICTORIA COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| VICTORIA | 45,688 | 48,862 | 51,359 | 53,584 | 55,410 | 56,923 |
| COUNTY-OTHER | 15,410 | 16,404 | 17,187 | 17,883 | 18,456 | 18,929 |

Water User Group (WUG) Population

| REGION L | WUG POPULATION | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| VICTORIA COUNTY | | | | | | |
| GUADALUPE BASIN TOTAL POPULATION | 61,098 | 65,266 | 68,546 | 71,467 | 73,866 | 75,852 |
| LAVACA BASIN | | | | | | |
| COUNTY-OTHER | 43 | 46 | 48 | 50 | 52 | 53 |
| LAVACA BASIN TOTAL POPULATION | 43 | 46 | 48 | 50 | 52 | 53 |
| LAVACA-GUADALUPE BASIN | | | | | | |
| VICTORIA | 22,099 | 23,634 | 24,842 | 25,917 | 26,801 | 27,533 |
| COUNTY-OTHER | 10,547 | 11,239 | 11,784 | 12,269 | 12,666 | 12,997 |
| LAVACA-GUADALUPE BASIN TOTAL POPULATION | 32,646 | 34,873 | 36,626 | 38,186 | 39,467 | 40,530 |
| SAN ANTONIO BASIN | | | | | | |
| COUNTY-OTHER | 70 | 75 | 78 | 82 | 85 | 87 |
| SAN ANTONIO BASIN TOTAL POPULATION | 70 | 75 | 78 | 82 | 85 | 87 |
| VICTORIA COUNTY TOTAL POPULATION | 93,857 | 100,260 | 105,298 | 109,785 | 113,470 | 116,522 |
| WILSON COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| NIXON | 8 | 10 | 12 | 14 | 16 | 17 |
| SUNKO WSC | 27 | 33 | 39 | 44 | 50 | 54 |
| COUNTY-OTHER | 339 | 418 | 494 | 563 | 626 | 686 |
| GUADALUPE BASIN TOTAL POPULATION | 374 | 461 | 545 | 621 | 692 | 757 |
| NUECES BASIN | | | | | | |
| MCCOY WSC | 346 | 426 | 505 | 574 | 641 | 701 |
| COUNTY-OTHER | 414 | 510 | 602 | 686 | 766 | 836 |
| NUECES BASIN TOTAL POPULATION | 760 | 936 | 1,107 | 1,260 | 1,407 | 1,537 |
| SAN ANTONIO BASIN | | | | | | |
| EAST CENTRAL SUD | 1,111 | 1,368 | 1,618 | 1,843 | 2,056 | 2,248 |
| EL OSO WSC | 179 | 221 | 261 | 297 | 332 | 363 |
| ELMENDORF | 15 | 18 | 22 | 25 | 28 | 30 |
| FLORESVILLE | 8,152 | 10,041 | 11,875 | 13,524 | 15,085 | 16,491 |
| LA VERNIA | 1,307 | 1,610 | 1,904 | 2,168 | 2,419 | 2,644 |
| MCCOY WSC | 28 | 34 | 40 | 46 | 51 | 56 |
| OAK HILLS WSC | 5,405 | 6,657 | 7,873 | 8,966 | 10,001 | 10,934 |
| POTH | 2,412 | 2,971 | 3,514 | 4,001 | 4,463 | 4,880 |
| S S WSC | 16,420 | 20,224 | 23,918 | 27,238 | 30,384 | 33,216 |
| STOCKDALE | 1,823 | 2,245 | 2,655 | 3,024 | 3,373 | 3,688 |
| SUNKO WSC | 4,441 | 5,470 | 6,469 | 7,368 | 8,218 | 8,984 |
| COUNTY-OTHER | 11,839 | 14,581 | 17,243 | 19,635 | 21,902 | 23,943 |
| SAN ANTONIO BASIN TOTAL POPULATION | 53,132 | 65,440 | 77,392 | 88,135 | 98,312 | 107,477 |
| WILSON COUNTY TOTAL POPULATION | 54,266 | 66,837 | 79,044 | 90,016 | 100,411 | 109,771 |
| ZAVALA COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| CRYSTAL CITY | 8,063 | 9,022 | 9,880 | 10,711 | 11,484 | 12,199 |

Water User Group (WUG) Population

| REGION L | WUG POPULATION | | | | | |
|---------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| ZAVALA COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| ZAVALA COUNTY WCID #1 | 1,672 | 1,871 | 2,049 | 2,221 | 2,382 | 2,530 |
| COUNTY-OTHER | 3,454 | 3,865 | 4,232 | 4,589 | 4,920 | 5,227 |
| NUECES BASIN TOTAL POPULATION | 13,189 | 14,758 | 16,161 | 17,521 | 18,786 | 19,956 |
| ZAVALA COUNTY TOTAL POPULATION | 13,189 | 14,758 | 16,161 | 17,521 | 18,786 | 19,956 |
| | | | | | | |
| REGION L TOTAL POPULATION | 3,001,465 | 3,476,548 | 3,919,536 | 4,336,127 | 4,770,185 | 5,192,028 |

Water User Group (WUG) Demand

| REGION L | WUG DEMAND (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------------|---------------------------------|---------------|---------------|---------------|---------------|---------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| ATASCOSA COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| BENTON CITY WSC | 882 | 993 | 1,099 | 1,207 | 1,313 | 1,413 |
| CHARLOTTE | 344 | 386 | 425 | 467 | 508 | 547 |
| JOURDANTON | 959 | 1,083 | 1,198 | 1,317 | 1,434 | 1,544 |
| LYTLE | 452 | 510 | 563 | 618 | 673 | 725 |
| MCCOY WSC | 905 | 1,012 | 1,113 | 1,219 | 1,326 | 1,427 |
| PLEASANTON | 2,283 | 2,582 | 2,859 | 3,143 | 3,423 | 3,685 |
| POTEET | 472 | 523 | 571 | 623 | 678 | 730 |
| SAN ANTONIO WATER SYSTEM | 716 | 803 | 885 | 970 | 1,055 | 1,136 |
| COUNTY-OTHER | 847 | 940 | 1,028 | 1,123 | 1,222 | 1,315 |
| MANUFACTURING | 12 | 12 | 12 | 12 | 12 | 12 |
| MINING | 4,081 | 4,043 | 3,935 | 3,212 | 2,478 | 2,043 |
| STEAM ELECTRIC POWER | 4,807 | 6,101 | 5,997 | 7,336 | 7,672 | 7,819 |
| LIVESTOCK | 1,509 | 1,509 | 1,509 | 1,509 | 1,509 | 1,509 |
| IRRIGATION | 26,328 | 25,446 | 24,597 | 23,780 | 22,991 | 22,273 |
| NUECES BASIN TOTAL DEMAND | 44,597 | 45,943 | 45,791 | 46,536 | 46,294 | 46,178 |
| SAN ANTONIO BASIN | | | | | | |
| BENTON CITY WSC | 109 | 123 | 136 | 150 | 163 | 175 |
| COUNTY-OTHER | 75 | 84 | 91 | 100 | 109 | 117 |
| IRRIGATION | 266 | 257 | 248 | 240 | 232 | 225 |
| SAN ANTONIO BASIN TOTAL DEMAND | 450 | 464 | 475 | 490 | 504 | 517 |
| ATASCOSA COUNTY TOTAL DEMAND | 45,047 | 46,407 | 46,266 | 47,026 | 46,798 | 46,695 |
| BEXAR COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| ATASCOSA RURAL WSC | 88 | 103 | 117 | 131 | 145 | 158 |
| LYTLE | 11 | 15 | 18 | 21 | 23 | 26 |
| COUNTY-OTHER | 1,504 | 1,638 | 1,774 | 1,917 | 2,056 | 2,184 |
| LIVESTOCK | 178 | 178 | 178 | 178 | 178 | 178 |
| IRRIGATION | 1,301 | 1,246 | 1,194 | 1,143 | 1,095 | 1,052 |
| NUECES BASIN TOTAL DEMAND | 3,082 | 3,180 | 3,281 | 3,390 | 3,497 | 3,598 |
| SAN ANTONIO BASIN | | | | | | |
| ALAMO HEIGHTS | 2,216 | 2,268 | 2,240 | 2,227 | 2,225 | 2,225 |
| ATASCOSA RURAL WSC | 1,508 | 1,772 | 2,020 | 2,268 | 2,502 | 2,719 |
| BALCONES HEIGHTS | 518 | 566 | 612 | 662 | 711 | 758 |
| CASTLE HILLS | 395 | 375 | 359 | 351 | 350 | 349 |
| CHINA GROVE | 316 | 350 | 381 | 413 | 445 | 474 |
| CONVERSE | 2,536 | 2,744 | 2,930 | 2,905 | 2,898 | 2,897 |
| EAST CENTRAL SUD | 1,357 | 1,461 | 1,561 | 1,671 | 1,784 | 1,890 |
| ELMENDORF | 308 | 394 | 474 | 552 | 625 | 691 |
| FAIR OAKS RANCH | 1,311 | 1,384 | 1,419 | 1,400 | 1,464 | 1,524 |
| GREEN VALLEY SUD | 250 | 265 | 281 | 301 | 323 | 343 |
| HELOTES | 1,622 | 1,998 | 2,349 | 2,690 | 3,005 | 3,295 |
| HILL COUNTRY VILLAGE | 234 | 230 | 226 | 224 | 224 | 224 |
| HOLLYWOOD PARK | 949 | 953 | 959 | 969 | 983 | 997 |
| KIRBY | 942 | 1,012 | 986 | 977 | 974 | 974 |
| LACKLAND AFB | 1,054 | 1,013 | 981 | 962 | 959 | 959 |
| LEON VALLEY | 1,860 | 1,931 | 2,001 | 2,083 | 2,174 | 2,260 |
| LIVE OAK | 2,677 | 2,687 | 2,648 | 2,626 | 2,621 | 2,621 |

Water User Group (WUG) Demand

| REGION L | WUG DEMAND (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------------|---------------------------------|----------------|----------------|----------------|----------------|----------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| BEXAR COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| OLMOS PARK | 564 | 623 | 678 | 736 | 791 | 843 |
| RANDOLPH AFB | 97 | 109 | 121 | 132 | 142 | 151 |
| SAN ANTONIO | 235,320 | 258,645 | 280,772 | 303,790 | 326,624 | 347,849 |
| SAN ANTONIO WATER SYSTEM | 28,224 | 30,974 | 33,634 | 36,391 | 39,111 | 41,647 |
| SCHERTZ | 240 | 295 | 369 | 447 | 542 | 629 |
| SELMA | 788 | 879 | 969 | 1,056 | 1,136 | 1,211 |
| SHAVANO PARK | 1,104 | 1,234 | 1,356 | 1,476 | 1,588 | 1,692 |
| SOMERSET | 221 | 240 | 259 | 279 | 300 | 319 |
| ST. HEDWIG | 346 | 379 | 410 | 443 | 476 | 507 |
| TERRELL HILLS | 1,299 | 1,276 | 1,257 | 1,247 | 1,245 | 1,245 |
| THE OAKS WSC | 370 | 433 | 492 | 551 | 605 | 656 |
| UNIVERSAL CITY | 3,195 | 3,210 | 3,151 | 3,118 | 3,112 | 3,111 |
| VON ORMY | 140 | 153 | 165 | 178 | 191 | 204 |
| WATER SERVICES INC | 660 | 715 | 767 | 826 | 884 | 937 |
| WINDCREST | 1,203 | 1,220 | 1,238 | 1,265 | 1,297 | 1,328 |
| COUNTY-OTHER | 3,681 | 5,299 | 7,215 | 9,503 | 11,548 | 13,422 |
| MANUFACTURING | 22,737 | 25,264 | 27,802 | 30,035 | 32,461 | 35,083 |
| MINING | 7,820 | 8,740 | 9,533 | 10,404 | 11,399 | 12,502 |
| STEAM ELECTRIC POWER | 25,215 | 29,501 | 32,275 | 35,355 | 38,775 | 42,526 |
| LIVESTOCK | 980 | 980 | 980 | 980 | 980 | 980 |
| IRRIGATION | 10,325 | 9,889 | 9,470 | 9,070 | 8,686 | 8,349 |
| SAN ANTONIO BASIN TOTAL DEMAND | 364,582 | 401,461 | 435,340 | 470,563 | 506,160 | 540,391 |
| BEXAR COUNTY TOTAL DEMAND | 367,664 | 404,641 | 438,621 | 473,953 | 509,657 | 543,989 |
| CALDWELL COUNTY | | | | | | |
| COLORADO BASIN | | | | | | |
| AQUA WSC | 43 | 51 | 60 | 68 | 77 | 86 |
| CREEDMOOR-MAHA WSC | 114 | 133 | 152 | 172 | 195 | 216 |
| MUSTANG RIDGE | 69 | 82 | 95 | 108 | 122 | 136 |
| POLONIA WSC | 282 | 333 | 386 | 440 | 498 | 554 |
| COUNTY-OTHER | 51 | 60 | 70 | 79 | 90 | 100 |
| MINING | 11 | 9 | 6 | 4 | 2 | 1 |
| LIVESTOCK | 71 | 71 | 71 | 71 | 71 | 71 |
| IRRIGATION | 19 | 17 | 15 | 13 | 12 | 11 |
| COLORADO BASIN TOTAL DEMAND | 660 | 756 | 855 | 955 | 1,067 | 1,175 |
| GUADALUPE BASIN | | | | | | |
| AQUA WSC | 242 | 289 | 336 | 385 | 435 | 484 |
| COUNTY LINE WSC | 82 | 97 | 114 | 132 | 149 | 166 |
| CREEDMOOR-MAHA WSC | 29 | 34 | 39 | 45 | 50 | 56 |
| GOFORTH SUD | 41 | 49 | 56 | 64 | 73 | 81 |
| GONZALES COUNTY WSC | 58 | 70 | 83 | 95 | 91 | 102 |
| LOCKHART | 2,251 | 2,676 | 3,105 | 3,547 | 4,010 | 4,465 |
| LULING | 950 | 1,125 | 1,301 | 1,484 | 1,678 | 1,868 |
| MARTINDALE | 187 | 221 | 256 | 292 | 330 | 367 |
| MAXWELL WSC | 414 | 487 | 561 | 638 | 720 | 802 |
| MUSTANG RIDGE | 2 | 2 | 2 | 3 | 3 | 3 |
| NIEDERWALD | 16 | 19 | 22 | 25 | 28 | 31 |

Water User Group (WUG) Demand

| REGION L | WUG DEMAND (ACRE-FEET PER YEAR) | | | | | |
|--|---------------------------------|---------------|---------------|---------------|---------------|---------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| CALDWELL COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| POLONIA WSC | 596 | 707 | 819 | 935 | 1,055 | 1,175 |
| SAN MARCOS | 2 | 3 | 4 | 5 | 6 | 7 |
| UHLAND | 79 | 94 | 110 | 126 | 142 | 158 |
| COUNTY-OTHER | 674 | 796 | 920 | 1,050 | 1,186 | 1,320 |
| MANUFACTURING | 8 | 9 | 10 | 11 | 12 | 13 |
| MINING | 112 | 89 | 66 | 42 | 18 | 8 |
| LIVESTOCK | 937 | 937 | 937 | 937 | 937 | 937 |
| IRRIGATION | 599 | 532 | 473 | 420 | 372 | 339 |
| GUADALUPE BASIN TOTAL DEMAND | 7,279 | 8,236 | 9,214 | 10,236 | 11,295 | 12,382 |
| CALDWELL COUNTY TOTAL DEMAND | 7,939 | 8,992 | 10,069 | 11,191 | 12,362 | 13,557 |
| CALHOUN COUNTY | | | | | | |
| COLORADO-LAVACA BASIN | | | | | | |
| POINT COMFORT | 87 | 92 | 99 | 107 | 115 | 124 |
| COUNTY-OTHER | 94 | 101 | 110 | 120 | 129 | 138 |
| MANUFACTURING | 30,171 | 32,579 | 34,966 | 37,073 | 39,731 | 42,030 |
| MINING | 26 | 27 | 20 | 15 | 9 | 6 |
| LIVESTOCK | 66 | 66 | 66 | 66 | 66 | 66 |
| IRRIGATION | 712 | 630 | 575 | 536 | 499 | 461 |
| COLORADO-LAVACA BASIN TOTAL DEMAND | 31,156 | 33,495 | 35,836 | 37,917 | 40,549 | 42,825 |
| GUADALUPE BASIN | | | | | | |
| LIVESTOCK | 2 | 2 | 2 | 2 | 2 | 2 |
| GUADALUPE BASIN TOTAL DEMAND | 2 | 2 | 2 | 2 | 2 | 2 |
| LAVACA-GUADALUPE BASIN | | | | | | |
| CALHOUN COUNTY WS | 356 | 376 | 398 | 425 | 457 | 490 |
| PORT LAVACA | 1,927 | 2,080 | 2,237 | 2,408 | 2,598 | 2,786 |
| PORT O'CONNOR MUD | 110 | 116 | 123 | 132 | 142 | 152 |
| SEADRIFT | 256 | 278 | 300 | 324 | 349 | 374 |
| COUNTY-OTHER | 141 | 152 | 167 | 180 | 195 | 210 |
| MANUFACTURING | 24,686 | 26,656 | 28,609 | 30,333 | 32,507 | 34,389 |
| MINING | 26 | 28 | 21 | 15 | 10 | 6 |
| LIVESTOCK | 260 | 260 | 260 | 260 | 260 | 260 |
| IRRIGATION | 12,748 | 11,294 | 10,309 | 9,603 | 8,945 | 8,257 |
| LAVACA-GUADALUPE BASIN TOTAL DEMAND | 40,510 | 41,240 | 42,424 | 43,680 | 45,463 | 46,924 |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| COUNTY-OTHER | 9 | 9 | 11 | 12 | 13 | 13 |
| LIVESTOCK | 16 | 16 | 16 | 16 | 16 | 16 |
| IRRIGATION | 12 | 11 | 10 | 9 | 9 | 8 |
| SAN ANTONIO-NUECES BASIN TOTAL DEMAND | 37 | 36 | 37 | 37 | 38 | 37 |
| CALHOUN COUNTY TOTAL DEMAND | 71,705 | 74,773 | 78,299 | 81,636 | 86,052 | 89,788 |
| COMAL COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| BULVERDE | 9 | 10 | 11 | 13 | 14 | 15 |
| CANYON LAKE WATER SERVICE COMPANY | 3,112 | 4,314 | 5,554 | 6,812 | 8,067 | 9,275 |
| CRYSTAL CLEAR WSC | 301 | 336 | 374 | 415 | 458 | 500 |

Water User Group (WUG) Demand

| REGION L | WUG DEMAND (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------------|---------------------------------|---------------|---------------|---------------|---------------|---------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| COMAL COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| GARDEN RIDGE | 1,062 | 1,430 | 1,806 | 2,188 | 2,570 | 2,936 |
| GREEN VALLEY SUD | 28 | 34 | 39 | 45 | 52 | 58 |
| NEW BRAUNFELS | 12,380 | 15,203 | 18,118 | 21,108 | 24,127 | 27,039 |
| SAN ANTONIO WATER SYSTEM | 661 | 956 | 1,254 | 1,558 | 1,866 | 2,157 |
| SCHERTZ | 247 | 394 | 587 | 813 | 1,094 | 1,379 |
| COUNTY-OTHER | 3,955 | 3,917 | 3,843 | 3,812 | 3,741 | 3,694 |
| MANUFACTURING | 8,477 | 9,221 | 9,945 | 10,565 | 11,437 | 12,382 |
| MINING | 8,256 | 9,596 | 10,886 | 12,012 | 13,423 | 15,003 |
| LIVESTOCK | 240 | 240 | 240 | 240 | 240 | 240 |
| IRRIGATION | 386 | 351 | 316 | 281 | 247 | 227 |
| GUADALUPE BASIN TOTAL DEMAND | 39,114 | 46,002 | 52,973 | 59,862 | 67,336 | 74,905 |
| SAN ANTONIO BASIN | | | | | | |
| BULVERDE | 794 | 929 | 1,070 | 1,215 | 1,363 | 1,506 |
| CANYON LAKE WATER SERVICE COMPANY | 771 | 1,068 | 1,375 | 1,686 | 1,996 | 2,295 |
| FAIR OAKS RANCH | 106 | 125 | 140 | 150 | 168 | 186 |
| GARDEN RIDGE | 600 | 808 | 1,021 | 1,237 | 1,452 | 1,660 |
| SAN ANTONIO WATER SYSTEM | 566 | 821 | 1,076 | 1,335 | 1,600 | 1,863 |
| SCHERTZ | 6 | 10 | 15 | 20 | 27 | 34 |
| SELMA | 3 | 4 | 5 | 6 | 6 | 7 |
| COUNTY-OTHER | 209 | 238 | 280 | 291 | 317 | 313 |
| MANUFACTURING | 86 | 93 | 100 | 107 | 116 | 125 |
| MINING | 344 | 400 | 454 | 501 | 559 | 625 |
| LIVESTOCK | 18 | 18 | 18 | 18 | 18 | 18 |
| IRRIGATION | 43 | 39 | 35 | 31 | 28 | 25 |
| SAN ANTONIO BASIN TOTAL DEMAND | 3,546 | 4,553 | 5,589 | 6,597 | 7,650 | 8,657 |
| COMAL COUNTY TOTAL DEMAND | 42,660 | 50,555 | 58,562 | 66,459 | 74,986 | 83,562 |
| DEWITT COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| CUERO | 2,195 | 2,229 | 2,232 | 2,248 | 1,942 | 1,955 |
| GONZALES COUNTY WSC | 113 | 115 | 117 | 118 | 102 | 102 |
| YORKTOWN | 447 | 448 | 446 | 449 | 388 | 390 |
| COUNTY-OTHER | 1,139 | 1,138 | 1,126 | 1,125 | 970 | 976 |
| MANUFACTURING | 330 | 352 | 373 | 391 | 421 | 454 |
| MINING | 2,405 | 2,259 | 1,668 | 1,081 | 494 | 229 |
| LIVESTOCK | 1,517 | 1,517 | 1,517 | 1,517 | 1,517 | 1,517 |
| IRRIGATION | 520 | 520 | 520 | 520 | 520 | 520 |
| GUADALUPE BASIN TOTAL DEMAND | 8,666 | 8,578 | 7,999 | 7,449 | 6,354 | 6,143 |
| LAVACA BASIN | | | | | | |
| YOAKUM | 455 | 458 | 455 | 456 | 402 | 404 |
| COUNTY-OTHER | 203 | 203 | 200 | 200 | 173 | 174 |
| MANUFACTURING | 220 | 234 | 249 | 261 | 281 | 302 |
| MINING | 506 | 476 | 351 | 228 | 104 | 48 |
| LIVESTOCK | 309 | 309 | 309 | 309 | 309 | 309 |
| IRRIGATION | 846 | 846 | 846 | 846 | 846 | 846 |
| LAVACA BASIN TOTAL DEMAND | 2,539 | 2,526 | 2,410 | 2,300 | 2,115 | 2,083 |
| LAVACA-GUADALUPE BASIN | | | | | | |
| COUNTY-OTHER | 2 | 2 | 2 | 2 | 2 | 2 |

Water User Group (WUG) Demand

| REGION L | WUG DEMAND (ACRE-FEET PER YEAR) | | | | | |
|--|---------------------------------|---------------|---------------|---------------|---------------|---------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| DEWITT COUNTY | | | | | | |
| LAVACA-GUADALUPE BASIN | | | | | | |
| LIVESTOCK | 18 | 18 | 18 | 18 | 18 | 18 |
| IRRIGATION | 15 | 15 | 15 | 15 | 15 | 15 |
| LAVACA-GUADALUPE BASIN TOTAL DEMAND | 35 | 35 | 35 | 35 | 35 | 35 |
| SAN ANTONIO BASIN | | | | | | |
| COUNTY-OTHER | 88 | 88 | 87 | 87 | 75 | 76 |
| MINING | 254 | 238 | 176 | 113 | 52 | 24 |
| LIVESTOCK | 150 | 150 | 150 | 150 | 150 | 150 |
| IRRIGATION | 104 | 104 | 104 | 104 | 104 | 104 |
| SAN ANTONIO BASIN TOTAL DEMAND | 596 | 580 | 517 | 454 | 381 | 354 |
| DEWITT COUNTY TOTAL DEMAND | 11,836 | 11,719 | 10,961 | 10,238 | 8,885 | 8,615 |
| DIMMIT COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| ASHERTON | 341 | 359 | 374 | 390 | 280 | 287 |
| BIG WELLS | 174 | 181 | 185 | 192 | 138 | 141 |
| CARRIZO SPRINGS | 2,270 | 2,402 | 2,479 | 2,581 | 1,856 | 1,903 |
| COUNTY-OTHER | 607 | 636 | 649 | 671 | 481 | 494 |
| MINING | 4,265 | 4,336 | 3,760 | 2,448 | 1,140 | 531 |
| LIVESTOCK | 439 | 439 | 439 | 439 | 439 | 439 |
| IRRIGATION | 5,020 | 4,968 | 4,768 | 4,563 | 4,366 | 4,232 |
| NUECES BASIN TOTAL DEMAND | 13,116 | 13,321 | 12,654 | 11,284 | 8,700 | 8,027 |
| RIO GRANDE BASIN | | | | | | |
| COUNTY-OTHER | 4 | 4 | 5 | 5 | 4 | 4 |
| MINING | 654 | 665 | 577 | 376 | 175 | 81 |
| LIVESTOCK | 49 | 49 | 49 | 49 | 49 | 49 |
| IRRIGATION | 755 | 747 | 717 | 686 | 657 | 637 |
| RIO GRANDE BASIN TOTAL DEMAND | 1,462 | 1,465 | 1,348 | 1,116 | 885 | 771 |
| DIMMIT COUNTY TOTAL DEMAND | 14,578 | 14,786 | 14,002 | 12,400 | 9,585 | 8,798 |
| FRIO COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| BENTON CITY WSC | 62 | 67 | 71 | 76 | 80 | 84 |
| DILLEY | 1,025 | 1,110 | 1,185 | 1,263 | 1,337 | 1,405 |
| PEARSALL | 2,021 | 2,181 | 2,323 | 2,472 | 2,616 | 2,750 |
| COUNTY-OTHER | 528 | 559 | 602 | 643 | 680 | 715 |
| MINING | 1,217 | 1,250 | 1,178 | 986 | 620 | 390 |
| STEAM ELECTRIC POWER | 555 | 417 | 398 | 158 | 189 | 163 |
| LIVESTOCK | 994 | 994 | 994 | 994 | 994 | 994 |
| IRRIGATION | 70,831 | 68,327 | 65,932 | 63,638 | 61,423 | 59,412 |
| NUECES BASIN TOTAL DEMAND | 77,233 | 74,905 | 72,683 | 70,230 | 67,939 | 65,913 |
| FRIO COUNTY TOTAL DEMAND | 77,233 | 74,905 | 72,683 | 70,230 | 67,939 | 65,913 |
| GOLIAD COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| COUNTY-OTHER | 502 | 547 | 575 | 585 | 436 | 441 |
| MINING | 126 | 126 | 126 | 126 | 126 | 126 |
| STEAM ELECTRIC POWER | 17,080 | 17,080 | 17,080 | 17,080 | 17,080 | 17,080 |
| LIVESTOCK | 262 | 262 | 262 | 262 | 262 | 262 |
| IRRIGATION | 575 | 575 | 575 | 575 | 575 | 575 |

Water User Group (WUG) Demand

| REGION L | WUG DEMAND (ACRE-FEET PER YEAR) | | | | | |
|--|---------------------------------|---------------|---------------|---------------|---------------|---------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| GOLIAD COUNTY | | | | | | |
| GUADALUPE BASIN TOTAL DEMAND | 18,545 | 18,590 | 18,618 | 18,628 | 18,479 | 18,484 |
| SAN ANTONIO BASIN | | | | | | |
| GOLIAD | 611 | 674 | 713 | 729 | 544 | 551 |
| COUNTY-OTHER | 421 | 458 | 482 | 490 | 365 | 370 |
| MANUFACTURING | 34 | 51 | 68 | 85 | 102 | 122 |
| MINING | 275 | 275 | 275 | 275 | 275 | 275 |
| LIVESTOCK | 448 | 448 | 448 | 448 | 448 | 448 |
| IRRIGATION | 2,209 | 2,209 | 2,209 | 2,209 | 2,209 | 2,209 |
| SAN ANTONIO BASIN TOTAL DEMAND | 3,998 | 4,115 | 4,195 | 4,236 | 3,943 | 3,975 |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| COUNTY-OTHER | 112 | 123 | 129 | 131 | 99 | 99 |
| MINING | 49 | 49 | 49 | 49 | 49 | 49 |
| LIVESTOCK | 418 | 418 | 418 | 418 | 418 | 418 |
| IRRIGATION | 416 | 416 | 416 | 416 | 416 | 416 |
| SAN ANTONIO-NUECES BASIN TOTAL DEMAND | 995 | 1,006 | 1,012 | 1,014 | 982 | 982 |
| GOLIAD COUNTY TOTAL DEMAND | 23,538 | 23,711 | 23,825 | 23,878 | 23,404 | 23,441 |
| GONZALES COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| GONZALES | 2,200 | 2,375 | 2,545 | 2,759 | 2,677 | 2,895 |
| GONZALES COUNTY WSC | 1,989 | 2,153 | 2,340 | 2,534 | 2,337 | 2,528 |
| NIXON | 433 | 462 | 491 | 529 | 538 | 582 |
| SMILEY | 136 | 146 | 156 | 170 | 164 | 177 |
| WAELDER | 224 | 241 | 258 | 279 | 270 | 292 |
| COUNTY-OTHER | 402 | 420 | 454 | 494 | 463 | 502 |
| MANUFACTURING | 1,671 | 1,794 | 1,914 | 2,020 | 2,163 | 2,316 |
| MINING | 1,600 | 1,207 | 813 | 418 | 24 | 1 |
| LIVESTOCK | 4,629 | 4,629 | 4,629 | 4,629 | 4,629 | 4,629 |
| IRRIGATION | 2,413 | 2,080 | 1,792 | 1,545 | 1,333 | 1,193 |
| GUADALUPE BASIN TOTAL DEMAND | 15,697 | 15,507 | 15,392 | 15,377 | 14,598 | 15,115 |
| LAVACA BASIN | | | | | | |
| COUNTY-OTHER | 20 | 21 | 23 | 24 | 24 | 25 |
| LIVESTOCK | 107 | 107 | 107 | 107 | 107 | 107 |
| LAVACA BASIN TOTAL DEMAND | 127 | 128 | 130 | 131 | 131 | 132 |
| GONZALES COUNTY TOTAL DEMAND | 15,824 | 15,635 | 15,522 | 15,508 | 14,729 | 15,247 |
| GUADALUPE COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| CRYSTAL CLEAR WSC | 1,612 | 1,883 | 2,167 | 2,457 | 2,766 | 3,071 |
| GONZALES COUNTY WSC | 32 | 38 | 45 | 51 | 49 | 54 |
| GREEN VALLEY SUD | 892 | 1,004 | 1,128 | 1,265 | 1,421 | 1,577 |
| LULING | 4 | 4 | 5 | 6 | 6 | 7 |
| NEW BRAUNFELS | 2,528 | 2,987 | 3,468 | 3,949 | 4,447 | 4,940 |
| SANTA CLARA | 15 | 17 | 20 | 23 | 25 | 28 |
| SCHERTZ | 478 | 626 | 731 | 835 | 942 | 1,047 |
| SEGUIN | 4,707 | 5,494 | 6,326 | 7,175 | 8,077 | 8,970 |
| SPRINGS HILL WSC | 1,249 | 1,428 | 1,626 | 1,833 | 2,059 | 2,286 |
| COUNTY-OTHER | 640 | 693 | 871 | 1,048 | 1,229 | 1,408 |
| MANUFACTURING | 2,994 | 3,290 | 3,574 | 3,819 | 4,149 | 4,507 |
| MINING | 342 | 412 | 479 | 566 | 663 | 782 |

Water User Group (WUG) Demand

| REGION L | WUG DEMAND (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------------|---------------------------------|---------------|---------------|---------------|---------------|---------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| GUADALUPE COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| STEAM ELECTRIC POWER | 5,984 | 4,941 | 5,136 | 5,585 | 7,515 | 8,371 |
| LIVESTOCK | 941 | 941 | 941 | 941 | 941 | 941 |
| IRRIGATION | 339 | 300 | 263 | 252 | 250 | 233 |
| GUADALUPE BASIN TOTAL DEMAND | 22,757 | 24,058 | 26,780 | 29,805 | 34,539 | 38,222 |
| SAN ANTONIO BASIN | | | | | | |
| CIBOLO | 5,343 | 7,823 | 9,148 | 10,447 | 11,773 | 13,075 |
| EAST CENTRAL SUD | 97 | 113 | 129 | 145 | 164 | 182 |
| GREEN VALLEY SUD | 651 | 733 | 824 | 924 | 1,038 | 1,152 |
| MARION | 164 | 189 | 216 | 245 | 275 | 305 |
| NEW BERLIN | 102 | 120 | 140 | 159 | 179 | 198 |
| SANTA CLARA | 90 | 105 | 121 | 136 | 154 | 171 |
| SCHERTZ | 5,970 | 7,828 | 9,136 | 10,438 | 11,779 | 13,099 |
| SELMA | 376 | 816 | 813 | 812 | 811 | 810 |
| SPRINGS HILL WSC | 168 | 193 | 219 | 247 | 278 | 308 |
| WATER SERVICES INC | 40 | 47 | 53 | 61 | 68 | 76 |
| COUNTY-OTHER | 427 | 298 | 374 | 450 | 526 | 603 |
| MANUFACTURING | 9 | 10 | 11 | 11 | 12 | 14 |
| MINING | 114 | 138 | 160 | 189 | 221 | 261 |
| LIVESTOCK | 105 | 105 | 105 | 105 | 105 | 105 |
| IRRIGATION | 74 | 66 | 58 | 55 | 55 | 51 |
| SAN ANTONIO BASIN TOTAL DEMAND | 13,730 | 18,584 | 21,507 | 24,424 | 27,438 | 30,410 |
| GUADALUPE COUNTY TOTAL DEMAND | 36,487 | 42,642 | 48,287 | 54,229 | 61,977 | 68,632 |
| HAYS COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| BUDA | 299 | 388 | 499 | 639 | 798 | 979 |
| COUNTY LINE WSC | 181 | 231 | 298 | 383 | 478 | 587 |
| CREEDMOOR-MAHA WSC | 10 | 12 | 15 | 19 | 23 | 28 |
| CRYSTAL CLEAR WSC | 632 | 717 | 827 | 973 | 1,143 | 1,338 |
| GOFORTH SUD | 1,384 | 1,753 | 2,220 | 2,818 | 3,504 | 4,287 |
| KYLE | 5,156 | 7,680 | 9,133 | 9,119 | 9,108 | 9,104 |
| MAXWELL WSC | 117 | 122 | 131 | 144 | 160 | 179 |
| MOUNTAIN CITY | 24 | 30 | 38 | 48 | 60 | 73 |
| NIEDERWALD | 59 | 75 | 96 | 122 | 151 | 185 |
| PLUM CREEK WATER COMPANY | 736 | 1,068 | 1,048 | 1,032 | 1,019 | 1,009 |
| SAN MARCOS | 11,934 | 13,941 | 16,430 | 19,485 | 23,205 | 27,655 |
| UHLAND | 99 | 133 | 175 | 229 | 290 | 360 |
| WIMBERLEY | 626 | 800 | 1,018 | 1,300 | 1,622 | 1,990 |
| WIMBERLEY WSC | 450 | 657 | 919 | 1,247 | 1,617 | 2,039 |
| WOODCREEK | 282 | 311 | 349 | 399 | 458 | 525 |
| COUNTY-OTHER | 2,064 | 2,284 | 4,564 | 6,274 | 11,819 | 17,977 |
| MANUFACTURING | 107 | 122 | 138 | 152 | 165 | 179 |
| STEAM ELECTRIC POWER | 730 | 965 | 1,982 | 2,708 | 3,688 | 5,023 |
| LIVESTOCK | 410 | 410 | 410 | 410 | 410 | 410 |
| IRRIGATION | 650 | 644 | 638 | 632 | 626 | 620 |
| GUADALUPE BASIN TOTAL DEMAND | 25,950 | 32,343 | 40,928 | 48,133 | 60,344 | 74,547 |
| HAYS COUNTY TOTAL DEMAND | 25,950 | 32,343 | 40,928 | 48,133 | 60,344 | 74,547 |

Water User Group (WUG) Demand

| REGION L | WUG DEMAND (ACRE-FEET PER YEAR) | | | | | |
|--|---------------------------------|--------------|--------------|--------------|--------------|--------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| KARNES COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| EL OSO WSC | 7 | 7 | 7 | 7 | 7 | 7 |
| COUNTY-OTHER | 14 | 14 | 14 | 14 | 13 | 13 |
| MINING | 152 | 115 | 77 | 40 | 2 | 0 |
| LIVESTOCK | 41 | 41 | 41 | 41 | 41 | 41 |
| IRRIGATION | 27 | 25 | 22 | 20 | 18 | 17 |
| GUADALUPE BASIN TOTAL DEMAND | 241 | 202 | 161 | 122 | 81 | 78 |
| NUECES BASIN | | | | | | |
| EL OSO WSC | 20 | 20 | 19 | 19 | 18 | 18 |
| COUNTY-OTHER | 11 | 11 | 11 | 11 | 11 | 11 |
| MINING | 253 | 192 | 129 | 66 | 4 | 0 |
| LIVESTOCK | 64 | 64 | 64 | 64 | 64 | 64 |
| IRRIGATION | 42 | 38 | 35 | 31 | 28 | 26 |
| NUECES BASIN TOTAL DEMAND | 390 | 325 | 258 | 191 | 125 | 119 |
| SAN ANTONIO BASIN | | | | | | |
| EL OSO WSC | 563 | 568 | 559 | 553 | 524 | 524 |
| FALLS CITY | 147 | 148 | 146 | 145 | 141 | 141 |
| KARNES CITY | 625 | 628 | 617 | 611 | 580 | 580 |
| KENEDY | 1,421 | 1,446 | 1,435 | 1,432 | 1,362 | 1,362 |
| RUNGE | 231 | 232 | 228 | 227 | 216 | 216 |
| SUNKO WSC | 34 | 35 | 35 | 33 | 31 | 31 |
| COUNTY-OTHER | 591 | 598 | 592 | 588 | 557 | 557 |
| MANUFACTURING | 171 | 175 | 179 | 182 | 192 | 203 |
| MINING | 2,022 | 1,535 | 1,030 | 530 | 28 | 2 |
| LIVESTOCK | 1,039 | 1,039 | 1,039 | 1,039 | 1,039 | 1,039 |
| IRRIGATION | 570 | 516 | 466 | 422 | 381 | 350 |
| SAN ANTONIO BASIN TOTAL DEMAND | 7,414 | 6,920 | 6,326 | 5,762 | 5,051 | 5,005 |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| EL OSO WSC | 5 | 5 | 5 | 5 | 5 | 5 |
| COUNTY-OTHER | 6 | 6 | 6 | 6 | 6 | 6 |
| MINING | 101 | 77 | 52 | 26 | 1 | 0 |
| LIVESTOCK | 24 | 24 | 24 | 24 | 24 | 24 |
| IRRIGATION | 16 | 14 | 13 | 12 | 11 | 10 |
| SAN ANTONIO-NUECES BASIN TOTAL DEMAND | 152 | 126 | 100 | 73 | 47 | 45 |
| KARNES COUNTY TOTAL DEMAND | 8,197 | 7,573 | 6,845 | 6,148 | 5,304 | 5,247 |
| KENDALL COUNTY | | | | | | |
| COLORADO BASIN | | | | | | |
| COUNTY-OTHER | 41 | 48 | 57 | 66 | 75 | 85 |
| LIVESTOCK | 13 | 13 | 13 | 13 | 13 | 13 |
| COLORADO BASIN TOTAL DEMAND | 54 | 61 | 70 | 79 | 88 | 98 |
| GUADALUPE BASIN | | | | | | |
| KENDALL COUNTY WCID #1 | 303 | 341 | 384 | 430 | 481 | 531 |
| COUNTY-OTHER | 1,587 | 1,925 | 2,289 | 2,662 | 3,058 | 3,450 |
| LIVESTOCK | 316 | 316 | 316 | 316 | 316 | 316 |
| IRRIGATION | 305 | 299 | 292 | 287 | 282 | 276 |
| GUADALUPE BASIN TOTAL DEMAND | 2,511 | 2,881 | 3,281 | 3,695 | 4,137 | 4,573 |
| SAN ANTONIO BASIN | | | | | | |
| BOERNE | 3,091 | 3,985 | 4,942 | 5,900 | 6,889 | 7,863 |

Water User Group (WUG) Demand

| REGION L | WUG DEMAND (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------------|---------------------------------|---------------|---------------|---------------|---------------|---------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| KENDALL COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| FAIR OAKS RANCH | 656 | 898 | 1,125 | 1,290 | 1,531 | 1,768 |
| WATER SERVICES INC | 46 | 54 | 64 | 74 | 85 | 95 |
| COUNTY-OTHER | 1,042 | 1,084 | 1,153 | 1,257 | 1,341 | 1,424 |
| LIVESTOCK | 66 | 66 | 66 | 66 | 66 | 66 |
| IRRIGATION | 70 | 68 | 67 | 65 | 64 | 63 |
| SAN ANTONIO BASIN TOTAL DEMAND | 4,971 | 6,155 | 7,417 | 8,652 | 9,976 | 11,279 |
| KENDALL COUNTY TOTAL DEMAND | 7,536 | 9,097 | 10,768 | 12,426 | 14,201 | 15,950 |
| LA SALLE COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| COTULLA | 1,868 | 2,016 | 2,155 | 2,323 | 1,680 | 1,777 |
| ENCINAL | 213 | 228 | 243 | 263 | 191 | 201 |
| COUNTY-OTHER | 522 | 556 | 590 | 633 | 458 | 484 |
| MINING | 4,617 | 4,772 | 4,263 | 2,819 | 1,380 | 676 |
| LIVESTOCK | 610 | 610 | 610 | 610 | 610 | 610 |
| IRRIGATION | 4,636 | 4,493 | 4,354 | 4,220 | 4,090 | 3,971 |
| NUECES BASIN TOTAL DEMAND | 12,466 | 12,675 | 12,215 | 10,868 | 8,409 | 7,719 |
| LA SALLE COUNTY TOTAL DEMAND | 12,466 | 12,675 | 12,215 | 10,868 | 8,409 | 7,719 |
| MEDINA COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| BENTON CITY WSC | 558 | 653 | 735 | 809 | 878 | 939 |
| DEVINE | 668 | 678 | 687 | 701 | 719 | 736 |
| EAST MEDINA COUNTY SUD | 690 | 758 | 819 | 877 | 936 | 990 |
| HONDO | 2,053 | 2,210 | 2,346 | 2,473 | 2,598 | 2,710 |
| LYTLE | 114 | 138 | 158 | 176 | 194 | 209 |
| NATALIA | 281 | 309 | 333 | 356 | 379 | 400 |
| YANCEY WSC | 130 | 144 | 155 | 166 | 176 | 186 |
| COUNTY-OTHER | 1,232 | 1,258 | 1,327 | 1,386 | 1,441 | 1,484 |
| MANUFACTURING | 41 | 44 | 48 | 51 | 55 | 60 |
| MINING | 1,388 | 1,543 | 1,673 | 1,805 | 1,972 | 2,154 |
| LIVESTOCK | 1,042 | 1,042 | 1,042 | 1,042 | 1,042 | 1,042 |
| IRRIGATION | 49,596 | 47,529 | 45,550 | 43,653 | 41,836 | 40,232 |
| NUECES BASIN TOTAL DEMAND | 57,793 | 56,306 | 54,873 | 53,495 | 52,226 | 51,142 |
| SAN ANTONIO BASIN | | | | | | |
| CASTROVILLE | 794 | 787 | 780 | 778 | 781 | 784 |
| EAST MEDINA COUNTY SUD | 63 | 69 | 74 | 79 | 85 | 90 |
| LACOSTE | 127 | 137 | 145 | 154 | 164 | 173 |
| SAN ANTONIO | 9 | 12 | 16 | 19 | 21 | 24 |
| SAN ANTONIO WATER SYSTEM | 369 | 540 | 681 | 806 | 922 | 1,023 |
| YANCEY WSC | 530 | 583 | 631 | 674 | 717 | 755 |
| COUNTY-OTHER | 25 | 53 | 32 | 23 | 21 | 27 |
| MANUFACTURING | 7 | 8 | 8 | 9 | 10 | 10 |
| MINING | 463 | 514 | 558 | 602 | 657 | 718 |
| LIVESTOCK | 123 | 123 | 123 | 123 | 123 | 123 |
| IRRIGATION | 7,868 | 7,541 | 7,226 | 6,926 | 6,637 | 6,383 |
| SAN ANTONIO BASIN TOTAL DEMAND | 10,378 | 10,367 | 10,274 | 10,193 | 10,138 | 10,110 |
| MEDINA COUNTY TOTAL DEMAND | 68,171 | 66,673 | 65,147 | 63,688 | 62,364 | 61,252 |

Water User Group (WUG) Demand

| REGION L | WUG DEMAND (ACRE-FEET PER YEAR) | | | | | |
|--|---------------------------------|---------------|---------------|----------------|----------------|----------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| REFUGIO COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| COUNTY-OTHER | 11 | 11 | 10 | 10 | 8 | 8 |
| MINING | 3 | 3 | 3 | 2 | 1 | 1 |
| LIVESTOCK | 32 | 32 | 32 | 32 | 32 | 32 |
| SAN ANTONIO BASIN TOTAL DEMAND | 46 | 46 | 45 | 44 | 41 | 41 |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| REFUGIO | 803 | 808 | 797 | 805 | 578 | 580 |
| WOODSBORO | 361 | 361 | 354 | 360 | 258 | 259 |
| COUNTY-OTHER | 507 | 501 | 488 | 490 | 351 | 352 |
| MINING | 63 | 66 | 48 | 36 | 23 | 14 |
| LIVESTOCK | 604 | 604 | 604 | 604 | 604 | 604 |
| IRRIGATION | 652 | 652 | 652 | 652 | 652 | 652 |
| SAN ANTONIO-NUECES BASIN TOTAL DEMAND | 2,990 | 2,992 | 2,943 | 2,947 | 2,466 | 2,461 |
| REFUGIO COUNTY TOTAL DEMAND | 3,036 | 3,038 | 2,988 | 2,991 | 2,507 | 2,502 |
| UVALDE COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| SABINAL | 445 | 477 | 505 | 536 | 569 | 601 |
| UVALDE | 4,052 | 4,342 | 4,593 | 4,881 | 5,181 | 5,474 |
| COUNTY-OTHER | 1,395 | 1,476 | 1,546 | 1,635 | 1,734 | 1,831 |
| MANUFACTURING | 289 | 300 | 311 | 321 | 342 | 364 |
| MINING | 2,661 | 2,916 | 3,037 | 3,279 | 3,564 | 3,874 |
| LIVESTOCK | 1,031 | 1,031 | 1,031 | 1,031 | 1,031 | 1,031 |
| IRRIGATION | 65,722 | 63,152 | 60,682 | 58,310 | 56,030 | 54,004 |
| NUECES BASIN TOTAL DEMAND | 75,595 | 73,694 | 71,705 | 69,993 | 68,451 | 67,179 |
| UVALDE COUNTY TOTAL DEMAND | 75,595 | 73,694 | 71,705 | 69,993 | 68,451 | 67,179 |
| VICTORIA COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| VICTORIA | 11,532 | 12,109 | 12,555 | 13,007 | 13,432 | 13,797 |
| COUNTY-OTHER | 1,802 | 1,845 | 1,875 | 1,921 | 1,976 | 2,026 |
| MANUFACTURING | 30,977 | 33,815 | 36,640 | 39,165 | 42,005 | 45,051 |
| MINING | 36 | 38 | 28 | 21 | 14 | 9 |
| STEAM ELECTRIC POWER | 5,530 | 30,802 | 38,202 | 54,623 | 71,720 | 71,720 |
| LIVESTOCK | 535 | 535 | 535 | 535 | 535 | 535 |
| IRRIGATION | 2,546 | 2,546 | 2,546 | 2,546 | 2,546 | 2,546 |
| GUADALUPE BASIN TOTAL DEMAND | 52,958 | 81,690 | 92,381 | 111,818 | 132,228 | 135,684 |
| LAVACA BASIN | | | | | | |
| COUNTY-OTHER | 5 | 5 | 5 | 5 | 5 | 5 |
| LIVESTOCK | 5 | 5 | 5 | 5 | 5 | 5 |
| LAVACA BASIN TOTAL DEMAND | 10 | 10 | 10 | 10 | 10 | 10 |
| LAVACA-GUADALUPE BASIN | | | | | | |
| VICTORIA | 5,578 | 5,857 | 6,074 | 6,292 | 6,498 | 6,674 |
| COUNTY-OTHER | 1,234 | 1,264 | 1,287 | 1,318 | 1,357 | 1,392 |
| MINING | 33 | 34 | 26 | 19 | 12 | 8 |
| LIVESTOCK | 576 | 576 | 576 | 576 | 576 | 576 |
| IRRIGATION | 18,669 | 18,669 | 18,669 | 18,669 | 18,669 | 18,669 |
| LAVACA-GUADALUPE BASIN TOTAL DEMAND | 26,090 | 26,400 | 26,632 | 26,874 | 27,112 | 27,319 |

Water User Group (WUG) Demand

| REGION L | WUG DEMAND (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------------|---------------------------------|----------------|----------------|----------------|----------------|----------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| VICTORIA COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| COUNTY-OTHER | 9 | 9 | 9 | 9 | 10 | 10 |
| MINING | 3 | 3 | 2 | 1 | 1 | 1 |
| LIVESTOCK | 49 | 49 | 49 | 49 | 49 | 49 |
| SAN ANTONIO BASIN TOTAL DEMAND | 61 | 61 | 60 | 59 | 60 | 60 |
| VICTORIA COUNTY TOTAL DEMAND | 79,119 | 108,161 | 119,083 | 138,761 | 159,410 | 163,073 |
| WILSON COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| NIXON | 2 | 2 | 2 | 3 | 3 | 3 |
| SUNKO WSC | 5 | 6 | 7 | 7 | 8 | 8 |
| COUNTY-OTHER | 40 | 49 | 57 | 64 | 71 | 78 |
| MINING | 174 | 139 | 105 | 70 | 36 | 18 |
| LIVESTOCK | 108 | 108 | 108 | 108 | 108 | 108 |
| GUADALUPE BASIN TOTAL DEMAND | 329 | 304 | 279 | 252 | 226 | 215 |
| NUECES BASIN | | | | | | |
| MCCOY WSC | 43 | 51 | 59 | 67 | 75 | 81 |
| COUNTY-OTHER | 50 | 59 | 69 | 78 | 87 | 95 |
| MINING | 174 | 139 | 105 | 70 | 36 | 18 |
| LIVESTOCK | 108 | 108 | 108 | 108 | 108 | 108 |
| IRRIGATION | 4,884 | 4,343 | 3,865 | 3,445 | 3,081 | 2,810 |
| NUECES BASIN TOTAL DEMAND | 5,259 | 4,700 | 4,206 | 3,768 | 3,387 | 3,112 |
| SAN ANTONIO BASIN | | | | | | |
| EAST CENTRAL SUD | 157 | 187 | 215 | 242 | 270 | 295 |
| EL OSO WSC | 39 | 47 | 54 | 61 | 65 | 71 |
| ELMENDORF | 3 | 3 | 4 | 4 | 4 | 5 |
| FLORESVILLE | 1,940 | 2,344 | 2,741 | 3,106 | 3,460 | 3,781 |
| LA VERNIA | 277 | 335 | 391 | 443 | 494 | 539 |
| MCCOY WSC | 4 | 5 | 5 | 6 | 6 | 7 |
| OAK HILLS WSC | 904 | 1,090 | 1,275 | 1,444 | 1,608 | 1,757 |
| POTH | 387 | 462 | 537 | 607 | 676 | 738 |
| S S WSC | 1,986 | 2,384 | 2,782 | 3,147 | 3,503 | 3,827 |
| STOCKDALE | 384 | 462 | 539 | 610 | 679 | 742 |
| SUNKO WSC | 783 | 935 | 1,100 | 1,216 | 1,270 | 1,388 |
| COUNTY-OTHER | 1,403 | 1,685 | 1,967 | 2,225 | 2,477 | 2,705 |
| MANUFACTURING | 10 | 10 | 10 | 10 | 10 | 10 |
| MINING | 1,581 | 1,270 | 955 | 642 | 327 | 168 |
| LIVESTOCK | 1,521 | 1,521 | 1,521 | 1,521 | 1,521 | 1,521 |
| IRRIGATION | 7,298 | 6,488 | 5,775 | 5,147 | 4,604 | 4,199 |
| SAN ANTONIO BASIN TOTAL DEMAND | 18,677 | 19,228 | 19,871 | 20,431 | 20,974 | 21,753 |
| WILSON COUNTY TOTAL DEMAND | 24,265 | 24,232 | 24,356 | 24,451 | 24,587 | 25,080 |
| ZAVALA COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| CRYSTAL CITY | 1,702 | 1,858 | 2,000 | 2,160 | 2,312 | 2,455 |
| ZAVALA COUNTY WCID #1 | 477 | 525 | 567 | 613 | 656 | 697 |
| COUNTY-OTHER | 572 | 618 | 672 | 727 | 778 | 826 |
| MANUFACTURING | 946 | 987 | 1,026 | 1,058 | 1,124 | 1,194 |
| MINING | 2,531 | 2,257 | 1,977 | 1,559 | 932 | 557 |

Water User Group (WUG) Demand

| REGION L | WUG DEMAND (ACRE-FEET PER YEAR) | | | | | |
|-----------------------------------|--|------------------|------------------|------------------|------------------|------------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| ZAVALA COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| LIVESTOCK | 1,058 | 1,058 | 1,058 | 1,058 | 1,058 | 1,058 |
| IRRIGATION | 44,222 | 42,475 | 40,797 | 39,185 | 37,636 | 36,262 |
| NUECES BASIN TOTAL DEMAND | 51,508 | 49,778 | 48,097 | 46,360 | 44,496 | 43,049 |
| ZAVALA COUNTY TOTAL DEMAND | 51,508 | 49,778 | 48,097 | 46,360 | 44,496 | 43,049 |
| | | | | | | |
| REGION L TOTAL DEMAND | 1,070,354 | 1,156,030 | 1,219,229 | 1,290,567 | 1,366,447 | 1,433,835 |

Water User Group (WUG) Existing Water Supply

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|------------------------------------|--|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| ATASCOSA COUNTY | | | | | | | |
| NUECES BASIN | | | | | | | |
| BENTON CITY WSC | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 1,415 | 1,399 | 1,393 | 1,392 | 1,395 | 1,400 |
| CHARLOTTE | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 690 | 690 | 690 | 690 | 690 | 690 |
| JOURDANTON | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 2,094 | 2,094 | 2,094 | 2,094 | 2,094 | 2,094 |
| LYTLE | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 318 | 312 | 309 | 308 | 308 | 307 |
| MCCOY WSC | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 1,506 | 1,502 | 1,499 | 1,496 | 1,494 | 1,493 |
| PLEASANTON | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 3,777 | 3,777 | 3,777 | 3,777 | 3,777 | 3,777 |
| POTEET | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 1,418 | 1,418 | 1,418 | 1,418 | 1,418 | 1,418 |
| SAN ANTONIO WATER SYSTEM | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 60 | 58 | 58 | 58 | 60 | 58 |
| SAN ANTONIO WATER SYSTEM | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 102 | 24 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L DIRECT REUSE | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 347 | 349 | 350 | 351 | 351 | 352 |
| SAN ANTONIO WATER SYSTEM | L GUADALUPE RUN-OF-RIVER | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L SAN ANTONIO RUN-OF-RIVER | 94 | 96 | 96 | 96 | 96 | 96 |
| SAN ANTONIO WATER SYSTEM | L TRINITY AQUIFER BEXAR COUNTY | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L TRINITY AQUIFER COMAL COUNTY | 0 | 0 | 0 | 0 | 0 | 0 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 616 | 616 | 616 | 616 | 616 | 616 |
| COUNTY-OTHER | L QUEEN CITY AQUIFER ATASCOSA COUNTY | 700 | 700 | 700 | 700 | 700 | 700 |
| MANUFACTURING | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 12 | 12 | 12 | 12 | 12 | 12 |
| MINING | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 4,081 | 4,043 | 3,935 | 3,212 | 2,478 | 2,043 |
| STEAM ELECTRIC POWER | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 8,655 | 8,655 | 8,655 | 8,655 | 8,655 | 8,655 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 382 | 382 | 382 | 382 | 382 | 382 |
| LIVESTOCK | L NUECES LIVESTOCK LOCAL SUPPLY | 754 | 754 | 754 | 754 | 754 | 754 |
| LIVESTOCK | L QUEEN CITY AQUIFER ATASCOSA COUNTY | 239 | 239 | 239 | 239 | 239 | 239 |
| LIVESTOCK | L YEGUA-JACKSON AQUIFER ATASCOSA COUNTY | 134 | 134 | 134 | 134 | 134 | 134 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 22,806 | 21,972 | 21,163 | 20,375 | 19,605 | 18,887 |
| IRRIGATION | L EDWARDS-BFZ AQUIFER ATASCOSA COUNTY | 154 | 154 | 154 | 154 | 154 | 154 |
| IRRIGATION | L QUEEN CITY AQUIFER ATASCOSA COUNTY | 1,924 | 1,924 | 1,924 | 1,924 | 1,924 | 1,924 |
| IRRIGATION | L SPARTA AQUIFER ATASCOSA COUNTY | 1,130 | 1,082 | 1,042 | 1,013 | 994 | 994 |
| IRRIGATION | L YEGUA-JACKSON AQUIFER ATASCOSA COUNTY | 314 | 314 | 314 | 314 | 314 | 314 |
| NUECES BASIN TOTAL EXISTING SUPPLY | | 53,722 | 52,700 | 51,708 | 50,164 | 48,644 | 47,493 |
| SAN ANTONIO BASIN | | | | | | | |
| BENTON CITY WSC | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 175 | 173 | 172 | 173 | 173 | 173 |

Water User Group (WUG) Existing Water Supply

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---|--|--------------------------------------|---------|---------|---------|---------|---------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| ATASCOSA COUNTY | | | | | | | |
| SAN ANTONIO BASIN | | | | | | | |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 117 | 117 | 117 | 117 | 117 | 117 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 194 | 185 | 176 | 168 | 160 | 153 |
| IRRIGATION | L EDWARDS-BFZ AQUIFER ATASCOSA COUNTY | 72 | 72 | 72 | 72 | 72 | 72 |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY | | 558 | 547 | 537 | 530 | 522 | 515 |
| ATASCOSA COUNTY TOTAL EXISTING SUPPLY | | 54,280 | 53,247 | 52,245 | 50,694 | 49,166 | 48,008 |
| BEXAR COUNTY | | | | | | | |
| NUECES BASIN | | | | | | | |
| ATASCOSA RURAL WSC | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 24 | 24 | 24 | 24 | 24 | 24 |
| LYTLE | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 8 | 9 | 10 | 10 | 10 | 11 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 314 | 314 | 314 | 314 | 314 | 314 |
| COUNTY-OTHER | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 2,554 | 2,079 | 1,737 | 1,478 | 1,331 | 1,232 |
| LIVESTOCK | L NUECES LIVESTOCK LOCAL SUPPLY | 177 | 177 | 177 | 177 | 177 | 177 |
| LIVESTOCK | L TRINITY AQUIFER BEXAR COUNTY | 1 | 1 | 1 | 1 | 1 | 1 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 50 | 50 | 50 | 50 | 50 | 50 |
| IRRIGATION | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 188 | 188 | 188 | 188 | 188 | 188 |
| NUECES BASIN TOTAL EXISTING SUPPLY | | 3,316 | 2,842 | 2,501 | 2,242 | 2,095 | 1,997 |
| SAN ANTONIO BASIN | | | | | | | |
| SAN ANTONIO | L CANYON LAKE/RESERVOIR | 6,060 | 6,060 | 4,043 | 4,043 | 4,043 | 4,043 |
| SAN ANTONIO | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 7,400 | 7,400 | 7,400 | 7,400 | 7,400 | 7,400 |
| SAN ANTONIO | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 13,765 | 13,764 | 13,764 | 13,764 | 13,764 | 13,764 |
| SAN ANTONIO | L DIRECT REUSE | 20,923 | 25,923 | 30,922 | 30,922 | 30,922 | 30,922 |
| SAN ANTONIO | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 137,241 | 136,637 | 136,076 | 135,490 | 134,906 | 134,363 |
| SAN ANTONIO | L GUADALUPE RUN-OF-RIVER | 270 | 270 | 270 | 270 | 270 | 270 |
| SAN ANTONIO | L TRINITY AQUIFER BEXAR COUNTY | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |
| ALAMO HEIGHTS | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 1,420 | 1,420 | 1,420 | 1,420 | 1,420 | 1,420 |
| ATASCOSA RURAL WSC | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 405 | 405 | 405 | 405 | 405 | 405 |
| BALCONES HEIGHTS | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 518 | 566 | 612 | 662 | 711 | 758 |
| CASTLE HILLS | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 395 | 375 | 359 | 351 | 350 | 349 |
| CHINA GROVE | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 316 | 350 | 381 | 413 | 445 | 474 |
| CONVERSE | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 500 | 500 | 500 | 500 | 500 | 500 |
| CONVERSE | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 1,133 | 1,133 | 1,133 | 1,133 | 1,133 | 1,133 |
| ELMENDORF | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 308 | 394 | 474 | 552 | 625 | 691 |
| GREEN VALLEY SUD | L CANYON LAKE/RESERVOIR | 147 | 138 | 132 | 127 | 123 | 116 |
| GREEN VALLEY SUD | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 40 | 39 | 37 | 35 | 34 | 32 |
| GREEN VALLEY SUD | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 39 | 36 | 34 | 34 | 32 | 31 |
| GREEN VALLEY SUD | L TRINITY AQUIFER BEXAR COUNTY | 13 | 12 | 12 | 12 | 10 | 10 |
| HELOTES | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 1,622 | 1,998 | 2,349 | 2,690 | 3,005 | 3,295 |

Water User Group (WUG) Existing Water Supply

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|--------------------------|--|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| BEXAR COUNTY | | | | | | | |
| SAN ANTONIO BASIN | | | | | | | |
| HILL COUNTRY VILLAGE | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 234 | 230 | 226 | 224 | 224 | 224 |
| HOLLYWOOD PARK | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 949 | 953 | 959 | 969 | 983 | 997 |
| KIRBY | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 805 | 805 | 805 | 805 | 805 | 805 |
| LACKLAND AFB | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |
| LEON VALLEY | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 1,763 | 1,784 | 1,805 | 1,829 | 1,857 | 1,883 |
| LIVE OAK | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 3,189 | 3,192 | 3,180 | 3,173 | 3,172 | 3,172 |
| OLMOS PARK | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 564 | 623 | 678 | 736 | 791 | 843 |
| SCHERTZ | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 207 | 264 | 301 | 291 | 282 | 263 |
| SCHERTZ | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 33 | 31 | 33 | 33 | 36 | 37 |
| SELMA | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 709 | 544 | 569 | 592 | 611 | 627 |
| SELMA | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 427 | 328 | 343 | 357 | 368 | 378 |
| SHAVANO PARK | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 679 | 679 | 679 | 679 | 679 | 679 |
| SOMERSET | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 221 | 240 | 259 | 279 | 300 | 319 |
| ST. HEDWIG | L CANYON LAKE/RESERVOIR | 146 | 179 | 210 | 243 | 276 | 307 |
| ST. HEDWIG | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 100 | 100 | 100 | 100 | 100 | 100 |
| ST. HEDWIG | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 100 | 100 | 100 | 100 | 100 | 100 |
| TERRELL HILLS | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 1,299 | 1,276 | 1,257 | 1,247 | 1,245 | 1,245 |
| UNIVERSAL CITY | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 800 | 800 | 800 | 800 | 800 | 800 |
| UNIVERSAL CITY | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 1,979 | 1,979 | 1,979 | 1,979 | 1,979 | 1,979 |
| WATER SERVICES INC | L TRINITY AQUIFER BEXAR COUNTY | 1,062 | 1,052 | 1,041 | 1,032 | 1,023 | 1,015 |
| WINDCREST | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 877 | 877 | 877 | 877 | 877 | 877 |
| FAIR OAKS RANCH | L CANYON LAKE/RESERVOIR | 1,170 | 1,064 | 979 | 912 | 857 | 811 |
| FAIR OAKS RANCH | L DIRECT REUSE | 354 | 322 | 296 | 276 | 259 | 245 |
| FAIR OAKS RANCH | L TRINITY AQUIFER COMAL COUNTY | 866 | 788 | 725 | 676 | 634 | 601 |
| RANDOLPH AFB | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |
| SAN ANTONIO WATER SYSTEM | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 2,310 | 2,272 | 2,240 | 2,216 | 2,194 | 2,178 |
| SAN ANTONIO WATER SYSTEM | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 4,033 | 908 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L DIRECT REUSE | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 13,702 | 13,467 | 13,285 | 13,138 | 13,013 | 12,909 |
| SAN ANTONIO WATER SYSTEM | L GUADALUPE RUN-OF-RIVER | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L SAN ANTONIO RUN-OF-RIVER | 3,739 | 3,675 | 3,625 | 3,585 | 3,551 | 3,522 |
| SAN ANTONIO WATER SYSTEM | L TRINITY AQUIFER BEXAR COUNTY | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L TRINITY AQUIFER COMAL COUNTY | 0 | 0 | 0 | 0 | 0 | 0 |
| THE OAKS WSC | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 221 | 221 | 221 | 221 | 221 | 221 |

Water User Group (WUG) Existing Water Supply

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---|--|--------------------------------------|---------|---------|---------|---------|---------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| BEXAR COUNTY | | | | | | | |
| SAN ANTONIO BASIN | | | | | | | |
| THE OAKS WSC | L TRINITY AQUIFER BEXAR COUNTY | 270 | 270 | 270 | 270 | 270 | 270 |
| VON ORMY | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 140 | 140 | 140 | 140 | 140 | 140 |
| VON ORMY | L TRINITY AQUIFER BEXAR COUNTY | 70 | 70 | 70 | 70 | 70 | 70 |
| EAST CENTRAL SUD | L CANYON LAKE/RESERVOIR | 691 | 648 | 609 | 571 | 534 | 501 |
| EAST CENTRAL SUD | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 645 | 630 | 618 | 606 | 596 | 587 |
| EAST CENTRAL SUD | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 264 | 255 | 247 | 239 | 232 | 225 |
| COUNTY-OTHER | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 6,250 | 6,725 | 7,067 | 7,326 | 7,473 | 7,572 |
| COUNTY-OTHER | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 100 | 100 | 100 | 100 | 100 | 100 |
| COUNTY-OTHER | L SAN ANTONIO RUN-OF-RIVER | 100 | 100 | 100 | 100 | 100 | 100 |
| COUNTY-OTHER | L TRINITY AQUIFER BEXAR COUNTY | 204 | 204 | 204 | 204 | 204 | 204 |
| MANUFACTURING | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 2,699 | 2,699 | 2,699 | 2,699 | 2,699 | 2,699 |
| MANUFACTURING | L DIRECT REUSE | 4,076 | 4,076 | 4,076 | 4,076 | 4,076 | 4,076 |
| MANUFACTURING | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 18,841 | 18,841 | 18,841 | 18,841 | 18,841 | 18,841 |
| MANUFACTURING | L SAN ANTONIO RUN-OF-RIVER | 11 | 11 | 11 | 11 | 11 | 11 |
| MANUFACTURING | L TRINITY AQUIFER BEXAR COUNTY | 5,776 | 5,776 | 5,776 | 5,776 | 5,776 | 5,776 |
| MINING | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 400 | 400 | 400 | 400 | 400 | 400 |
| MINING | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 4,562 | 4,562 | 4,562 | 4,562 | 4,562 | 4,562 |
| MINING | L TRINITY AQUIFER BEXAR COUNTY | 2,858 | 3,778 | 4,571 | 5,442 | 6,437 | 7,540 |
| STEAM ELECTRIC POWER | L CALAVERAS LAKE/RESERVOIR | 36,900 | 36,900 | 36,900 | 36,900 | 36,900 | 36,900 |
| STEAM ELECTRIC POWER | L VICTOR BRAUNIG LAKE/RESERVOIR | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 14 | 14 | 14 | 14 | 14 | 14 |
| LIVESTOCK | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 511 | 511 | 511 | 511 | 511 | 511 |
| LIVESTOCK | L SAN ANTONIO LIVESTOCK LOCAL SUPPLY | 402 | 402 | 402 | 402 | 402 | 402 |
| LIVESTOCK | L TRINITY AQUIFER BEXAR COUNTY | 53 | 53 | 53 | 53 | 53 | 53 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 542 | 542 | 542 | 542 | 542 | 542 |
| IRRIGATION | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 3,768 | 3,768 | 3,768 | 3,768 | 3,768 | 3,768 |
| IRRIGATION | L SAN ANTONIO RUN-OF-RIVER | 1,962 | 1,962 | 1,962 | 1,962 | 1,962 | 1,962 |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY | | 345,162 | 347,610 | 350,408 | 351,177 | 352,008 | 352,939 |
| BEXAR COUNTY TOTAL EXISTING SUPPLY | | 348,478 | 350,452 | 352,909 | 353,419 | 354,103 | 354,936 |
| CALDWELL COUNTY | | | | | | | |
| COLORADO BASIN | | | | | | | |
| AQUA WSC | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 86 | 86 | 86 | 86 | 86 | 86 |
| CREEDMOOR-MAHA WSC | K EDWARDS-BFZ AQUIFER TRAVIS COUNTY | 114 | 133 | 152 | 172 | 195 | 216 |
| MUSTANG RIDGE | K EDWARDS-BFZ AQUIFER TRAVIS COUNTY | 32 | 43 | 53 | 66 | 78 | 91 |
| MUSTANG RIDGE | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 21 | 22 | 24 | 24 | 25 | 26 |
| MUSTANG RIDGE | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 16 | 17 | 18 | 18 | 19 | 19 |
| POLONIA WSC | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 400 | 398 | 397 | 395 | 394 | 390 |

Water User Group (WUG) Existing Water Supply

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|--------------------------------------|--|--------------------------------------|-------|-------|-------|-------|-------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| CALDWELL COUNTY | | | | | | | |
| COLORADO BASIN | | | | | | | |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 229 | 229 | 229 | 229 | 229 | 229 |
| COUNTY-OTHER | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 4 | 4 | 4 | 4 | 4 | 4 |
| MINING | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 11 | 9 | 6 | 4 | 2 | 1 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 41 | 41 | 41 | 41 | 41 | 41 |
| LIVESTOCK | L COLORADO LIVESTOCK LOCAL SUPPLY | 30 | 30 | 30 | 30 | 30 | 30 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 19 | 19 | 19 | 19 | 19 | 19 |
| COLORADO BASIN TOTAL EXISTING SUPPLY | | 1,003 | 1,031 | 1,059 | 1,088 | 1,122 | 1,152 |
| GUADALUPE BASIN | | | | | | | |
| AQUA WSC | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 484 | 484 | 484 | 484 | 484 | 484 |
| COUNTY LINE WSC | L CANYON LAKE/RESERVOIR | 103 | 83 | 61 | 39 | 18 | 0 |
| COUNTY LINE WSC | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 35 | 33 | 31 | 29 | 27 | 25 |
| CREEDMOOR-MAHA WSC | K EDWARDS-BFZ AQUIFER TRAVIS COUNTY | 29 | 34 | 39 | 45 | 50 | 56 |
| GONZALES COUNTY WSC | L CANYON LAKE/RESERVOIR | 19 | 21 | 22 | 23 | 25 | 25 |
| GONZALES COUNTY WSC | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 53 | 60 | 65 | 69 | 72 | 74 |
| LOCKHART | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 2,063 | 2,063 | 2,063 | 2,063 | 2,063 | 2,063 |
| LULING | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 1,083 | 1,084 | 1,084 | 1,084 | 1,084 | 1,084 |
| MARTINDALE | L CANYON LAKE/RESERVOIR | 90 | 90 | 90 | 90 | 90 | 90 |
| MARTINDALE | L GUADALUPE RUN-OF-RIVER | 100 | 100 | 100 | 100 | 100 | 100 |
| MAXWELL WSC | L CANYON LAKE/RESERVOIR | 359 | 368 | 373 | 375 | 376 | 376 |
| MAXWELL WSC | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 136 | 140 | 142 | 143 | 143 | 143 |
| MAXWELL WSC | L GUADALUPE RUN-OF-RIVER | 543 | 557 | 565 | 568 | 569 | 569 |
| MUSTANG RIDGE | K EDWARDS-BFZ AQUIFER TRAVIS COUNTY | 1 | 1 | 2 | 1 | 2 | 2 |
| MUSTANG RIDGE | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 1 | 1 | 0 | 1 | 1 | 1 |
| MUSTANG RIDGE | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 0 | 0 | 0 | 1 | 0 | 0 |
| NIEDERWALD | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 3 | 3 | 2 | 2 | 2 | 2 |
| POLONIA WSC | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 858 | 853 | 845 | 834 | 818 | 798 |
| SAN MARCOS | L CANYON LAKE/RESERVOIR | 2 | 2 | 2 | 3 | 3 | 3 |
| SAN MARCOS | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 1 | 1 | 1 | 1 | 1 | 1 |
| GOFORTH SUD | K EDWARDS-BFZ AQUIFER TRAVIS COUNTY | 0 | 0 | 0 | 0 | 0 | 0 |
| GOFORTH SUD | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 3 | 3 | 3 | 2 | 2 | 2 |
| GOFORTH SUD | L TRINITY AQUIFER HAYS COUNTY | 38 | 46 | 53 | 62 | 71 | 79 |
| UHLAND | L CANYON LAKE/RESERVOIR | 79 | 94 | 110 | 126 | 142 | 158 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 1,086 | 1,086 | 1,086 | 1,086 | 1,086 | 1,086 |
| COUNTY-OTHER | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 55 | 55 | 55 | 55 | 55 | 55 |
| COUNTY-OTHER | L GUADALUPE RUN-OF-RIVER | 500 | 500 | 500 | 500 | 500 | 500 |

Water User Group (WUG) Existing Water Supply

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---|--|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| CALDWELL COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| COUNTY-OTHER | L QUEEN CITY AQUIFER CALDWELL COUNTY | 141 | 141 | 141 | 141 | 141 | 141 |
| MANUFACTURING | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 13 | 13 | 13 | 13 | 13 | 13 |
| MINING | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 112 | 89 | 66 | 42 | 18 | 8 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 449 | 449 | 449 | 449 | 449 | 449 |
| LIVESTOCK | L GUADALUPE LIVESTOCK LOCAL SUPPLY | 471 | 471 | 471 | 471 | 471 | 471 |
| LIVESTOCK | L QUEEN CITY AQUIFER CALDWELL COUNTY | 17 | 17 | 17 | 17 | 17 | 17 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 556 | 556 | 556 | 556 | 556 | 556 |
| IRRIGATION | L QUEEN CITY AQUIFER CALDWELL COUNTY | 77 | 77 | 77 | 77 | 77 | 77 |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 9,560 | 9,575 | 9,568 | 9,552 | 9,526 | 9,508 |
| CALDWELL COUNTY TOTAL EXISTING SUPPLY | | 10,563 | 10,606 | 10,627 | 10,640 | 10,648 | 10,660 |
| CALHOUN COUNTY | | | | | | | |
| COLORADO-LAVACA BASIN | | | | | | | |
| POINT COMFORT | P TEXANA LAKE/RESERVOIR | 178 | 178 | 178 | 178 | 178 | 178 |
| COUNTY-OTHER | L GULF COAST AQUIFER CALHOUN COUNTY | 170 | 170 | 169 | 170 | 170 | 169 |
| MANUFACTURING | L GUADALUPE RUN-OF-RIVER | 18,865 | 18,865 | 18,865 | 18,865 | 18,865 | 18,865 |
| MANUFACTURING | L GULF COAST AQUIFER CALHOUN COUNTY | 195 | 195 | 195 | 195 | 195 | 195 |
| MANUFACTURING | P TEXANA LAKE/RESERVOIR | 16,857 | 16,857 | 16,857 | 16,857 | 16,858 | 16,857 |
| MINING | L GULF COAST AQUIFER CALHOUN COUNTY | 28 | 27 | 28 | 28 | 28 | 28 |
| LIVESTOCK | L COLORADO-LAVACA LIVESTOCK LOCAL SUPPLY | 64 | 64 | 64 | 64 | 64 | 64 |
| LIVESTOCK | L GULF COAST AQUIFER CALHOUN COUNTY | 2 | 2 | 2 | 2 | 2 | 2 |
| IRRIGATION | L GULF COAST AQUIFER CALHOUN COUNTY | 148 | 148 | 148 | 148 | 148 | 148 |
| COLORADO-LAVACA BASIN TOTAL EXISTING SUPPLY | | 36,507 | 36,506 | 36,506 | 36,507 | 36,508 | 36,506 |
| GUADALUPE BASIN | | | | | | | |
| LIVESTOCK | L GULF COAST AQUIFER CALHOUN COUNTY | 2 | 2 | 2 | 2 | 2 | 2 |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 2 | 2 | 2 | 2 | 2 | 2 |
| LAVACA-GUADALUPE BASIN | | | | | | | |
| CALHOUN COUNTY WS | L GUADALUPE RUN-OF-RIVER | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 |
| PORT LAVACA | L GUADALUPE RUN-OF-RIVER | 4,480 | 4,480 | 4,480 | 4,480 | 4,480 | 4,480 |
| PORT O'CONNOR MUD | L GUADALUPE RUN-OF-RIVER | 1,120 | 1,120 | 1,120 | 1,120 | 1,120 | 1,120 |
| PORT O'CONNOR MUD | L GULF COAST AQUIFER CALHOUN COUNTY | 200 | 200 | 200 | 200 | 200 | 200 |
| SEADRIFT | L GULF COAST AQUIFER CALHOUN COUNTY | 728 | 728 | 728 | 728 | 728 | 728 |
| COUNTY-OTHER | L GULF COAST AQUIFER CALHOUN COUNTY | 231 | 232 | 232 | 231 | 231 | 233 |
| MANUFACTURING | L CANYON LAKE/RESERVOIR | 100 | 100 | 100 | 100 | 100 | 100 |
| MANUFACTURING | L GUADALUPE RUN-OF-RIVER | 15,435 | 15,435 | 15,435 | 15,435 | 15,435 | 15,435 |
| MANUFACTURING | P TEXANA LAKE/RESERVOIR | 13,793 | 13,793 | 13,793 | 13,793 | 13,792 | 13,793 |
| MINING | L GULF COAST AQUIFER CALHOUN COUNTY | 27 | 28 | 27 | 27 | 27 | 27 |
| LIVESTOCK | L GULF COAST AQUIFER CALHOUN COUNTY | 168 | 168 | 168 | 168 | 168 | 168 |
| LIVESTOCK | L LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | 92 | 92 | 92 | 92 | 92 | 92 |

Water User Group (WUG) Existing Water Supply

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|--|--|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| CALHOUN COUNTY | | | | | | | |
| LAVACA-GUADALUPE BASIN | | | | | | | |
| IRRIGATION | L GULF COAST AQUIFER CALHOUN COUNTY | 1,051 | 1,051 | 1,051 | 1,051 | 1,051 | 1,051 |
| LAVACA-GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 38,925 | 38,927 | 38,926 | 38,925 | 38,924 | 38,927 |
| SAN ANTONIO-NUECES BASIN | | | | | | | |
| COUNTY-OTHER | L GULF COAST AQUIFER CALHOUN COUNTY | 24 | 23 | 24 | 24 | 24 | 23 |
| LIVESTOCK | L SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY | 16 | 16 | 16 | 16 | 16 | 16 |
| IRRIGATION | | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO-NUECES BASIN TOTAL EXISTING SUPPLY | | 40 | 39 | 40 | 40 | 40 | 39 |
| CALHOUN COUNTY TOTAL EXISTING SUPPLY | | 75,474 | 75,474 | 75,474 | 75,474 | 75,474 | 75,474 |
| COMAL COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| CRYSTAL CLEAR WSC | L CANYON LAKE/RESERVOIR | 153 | 149 | 144 | 140 | 136 | 133 |
| CRYSTAL CLEAR WSC | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 36 | 35 | 33 | 32 | 31 | 30 |
| CRYSTAL CLEAR WSC | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 6 | 6 | 6 | 5 | 5 | 5 |
| CRYSTAL CLEAR WSC | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 120 | 117 | 113 | 111 | 107 | 104 |
| CRYSTAL CLEAR WSC | L GUADALUPE RIVER ALLUVIUM AQUIFER CALDWELL COUNTY | 26 | 24 | 24 | 24 | 23 | 21 |
| GARDEN RIDGE | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 213 | 213 | 213 | 213 | 213 | 213 |
| GARDEN RIDGE | L TRINITY AQUIFER COMAL COUNTY | 196 | 196 | 195 | 195 | 196 | 195 |
| GREEN VALLEY SUD | L CANYON LAKE/RESERVOIR | 16 | 18 | 18 | 19 | 19 | 20 |
| GREEN VALLEY SUD | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 5 | 5 | 5 | 5 | 5 | 5 |
| GREEN VALLEY SUD | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 4 | 5 | 5 | 5 | 5 | 5 |
| GREEN VALLEY SUD | L TRINITY AQUIFER BEXAR COUNTY | 1 | 2 | 2 | 2 | 2 | 2 |
| NEW BRAUNFELS | L CANYON LAKE/RESERVOIR | 8,072 | 8,124 | 8,158 | 8,188 | 8,207 | 8,218 |
| NEW BRAUNFELS | L DIRECT REUSE | 89 | 89 | 90 | 90 | 90 | 90 |
| NEW BRAUNFELS | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 4,590 | 4,620 | 4,640 | 4,657 | 4,668 | 4,674 |
| NEW BRAUNFELS | L GUADALUPE RUN-OF-RIVER | 1,075 | 1,082 | 1,086 | 1,090 | 1,093 | 1,094 |
| NEW BRAUNFELS | L TRINITY AQUIFER BEXAR COUNTY | 87 | 88 | 88 | 88 | 89 | 89 |
| NEW BRAUNFELS | L TRINITY AQUIFER COMAL COUNTY | 536 | 539 | 541 | 543 | 545 | 545 |
| SCHERTZ | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 212 | 352 | 478 | 529 | 568 | 578 |
| SCHERTZ | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 35 | 42 | 53 | 63 | 74 | 83 |
| SAN ANTONIO WATER SYSTEM | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 54 | 70 | 84 | 94 | 104 | 112 |
| SAN ANTONIO WATER SYSTEM | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 94 | 28 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L DIRECT REUSE | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 321 | 416 | 495 | 562 | 621 | 669 |
| SAN ANTONIO WATER SYSTEM | L GUADALUPE RUN-OF-RIVER | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L SAN ANTONIO RUN-OF-RIVER | 88 | 113 | 135 | 153 | 169 | 182 |

Water User Group (WUG) Existing Water Supply

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------------|--|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| COMAL COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| SAN ANTONIO WATER SYSTEM | L TRINITY AQUIFER BEXAR COUNTY | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L TRINITY AQUIFER COMAL COUNTY | 0 | 0 | 0 | 0 | 0 | 0 |
| BULVERDE | L CANYON LAKE/RESERVOIR | 9 | 10 | 11 | 13 | 14 | 15 |
| CANYON LAKE WATER SERVICE COMPANY | L CANYON LAKE/RESERVOIR | 3,908 | 3,773 | 3,641 | 3,514 | 3,387 | 3,266 |
| COUNTY-OTHER | L CANYON LAKE/RESERVOIR | 1,378 | 1,378 | 1,378 | 1,378 | 1,378 | 1,378 |
| COUNTY-OTHER | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 652 | 649 | 646 | 645 | 643 | 643 |
| COUNTY-OTHER | L TRINITY AQUIFER BEXAR COUNTY | 291 | 288 | 285 | 284 | 282 | 282 |
| COUNTY-OTHER | L TRINITY AQUIFER COMAL COUNTY | 2,356 | 2,356 | 2,356 | 2,356 | 2,356 | 2,356 |
| MANUFACTURING | L CANYON LAKE/RESERVOIR | 4 | 4 | 4 | 4 | 4 | 4 |
| MANUFACTURING | L DIRECT REUSE | 784 | 784 | 784 | 784 | 784 | 784 |
| MANUFACTURING | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 2,273 | 2,274 | 2,274 | 2,274 | 2,273 | 2,274 |
| MANUFACTURING | L GUADALUPE RUN-OF-RIVER | 100 | 100 | 100 | 100 | 100 | 100 |
| MANUFACTURING | L TRINITY AQUIFER COMAL COUNTY | 1,227 | 1,227 | 1,227 | 1,227 | 1,227 | 1,227 |
| MINING | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 3,809 | 3,809 | 3,809 | 3,809 | 3,809 | 3,809 |
| MINING | L TRINITY AQUIFER COMAL COUNTY | 4,447 | 5,787 | 7,077 | 8,203 | 9,614 | 11,194 |
| LIVESTOCK | L GUADALUPE LIVESTOCK LOCAL SUPPLY | 120 | 120 | 120 | 120 | 120 | 120 |
| LIVESTOCK | L TRINITY AQUIFER COMAL COUNTY | 120 | 120 | 120 | 120 | 120 | 120 |
| IRRIGATION | L CANYON LAKE/RESERVOIR | 249 | 249 | 249 | 249 | 249 | 249 |
| IRRIGATION | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 171 | 171 | 171 | 171 | 171 | 171 |
| IRRIGATION | L GUADALUPE RUN-OF-RIVER | 207 | 207 | 207 | 207 | 207 | 207 |
| IRRIGATION | L TRINITY AQUIFER COMAL COUNTY | 252 | 252 | 252 | 252 | 252 | 252 |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 38,386 | 39,891 | 41,317 | 42,518 | 43,960 | 45,518 |
| SAN ANTONIO BASIN | | | | | | | |
| GARDEN RIDGE | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 120 | 120 | 120 | 120 | 120 | 120 |
| GARDEN RIDGE | L TRINITY AQUIFER COMAL COUNTY | 110 | 110 | 111 | 111 | 110 | 111 |
| SCHERTZ | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 5 | 9 | 12 | 13 | 14 | 14 |
| SCHERTZ | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 1 | 1 | 1 | 2 | 2 | 2 |
| SELMA | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 3 | 2 | 3 | 3 | 3 | 4 |
| SELMA | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 2 | 1 | 2 | 2 | 2 | 2 |
| FAIR OAKS RANCH | L CANYON LAKE/RESERVOIR | 95 | 96 | 96 | 98 | 98 | 99 |
| FAIR OAKS RANCH | L DIRECT REUSE | 29 | 29 | 29 | 30 | 30 | 30 |
| FAIR OAKS RANCH | L TRINITY AQUIFER COMAL COUNTY | 70 | 71 | 71 | 72 | 73 | 73 |
| SAN ANTONIO WATER SYSTEM | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 46 | 60 | 72 | 82 | 90 | 98 |
| SAN ANTONIO WATER SYSTEM | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 81 | 24 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L DIRECT REUSE | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 275 | 357 | 425 | 482 | 532 | 577 |

Water User Group (WUG) Existing Water Supply

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---|--|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| COMAL COUNTY | | | | | | | |
| SAN ANTONIO BASIN | | | | | | | |
| SAN ANTONIO WATER SYSTEM | L GUADALUPE RUN-OF-RIVER | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L SAN ANTONIO RUN-OF-RIVER | 75 | 97 | 116 | 132 | 145 | 158 |
| SAN ANTONIO WATER SYSTEM | L TRINITY AQUIFER BEXAR COUNTY | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L TRINITY AQUIFER COMAL COUNTY | 0 | 0 | 0 | 0 | 0 | 0 |
| BULVERDE | L CANYON LAKE/RESERVOIR | 794 | 929 | 1,070 | 1,215 | 1,363 | 1,506 |
| CANYON LAKE WATER SERVICE COMPANY | L CANYON LAKE/RESERVOIR | 961 | 938 | 915 | 889 | 862 | 836 |
| COUNTY-OTHER | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 150 | 153 | 156 | 157 | 159 | 159 |
| COUNTY-OTHER | L TRINITY AQUIFER BEXAR COUNTY | 15 | 18 | 21 | 22 | 24 | 24 |
| COUNTY-OTHER | L TRINITY AQUIFER COMAL COUNTY | 136 | 136 | 136 | 136 | 136 | 136 |
| MANUFACTURING | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 41 | 40 | 40 | 40 | 41 | 40 |
| MANUFACTURING | L TRINITY AQUIFER COMAL COUNTY | 4 | 4 | 4 | 4 | 4 | 4 |
| MINING | L TRINITY AQUIFER COMAL COUNTY | 344 | 400 | 454 | 501 | 559 | 625 |
| LIVESTOCK | L SAN ANTONIO LIVESTOCK LOCAL SUPPLY | 9 | 9 | 9 | 9 | 9 | 9 |
| LIVESTOCK | L TRINITY AQUIFER COMAL COUNTY | 9 | 9 | 9 | 9 | 9 | 9 |
| IRRIGATION | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 4 | 4 | 4 | 4 | 4 | 4 |
| IRRIGATION | L TRINITY AQUIFER COMAL COUNTY | 42 | 42 | 42 | 42 | 42 | 42 |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY | | 3,421 | 3,659 | 3,918 | 4,175 | 4,431 | 4,682 |
| COMAL COUNTY TOTAL EXISTING SUPPLY | | 41,807 | 43,550 | 45,235 | 46,693 | 48,391 | 50,200 |
| DEWITT COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| CUERO | L GULF COAST AQUIFER DEWITT COUNTY | 4,042 | 4,042 | 4,042 | 4,042 | 4,042 | 4,042 |
| GONZALES COUNTY WSC | L CANYON LAKE/RESERVOIR | 36 | 34 | 32 | 30 | 28 | 26 |
| GONZALES COUNTY WSC | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 104 | 98 | 92 | 85 | 80 | 74 |
| YORKTOWN | L GULF COAST AQUIFER DEWITT COUNTY | 972 | 972 | 972 | 972 | 972 | 972 |
| COUNTY-OTHER | L GULF COAST AQUIFER DEWITT COUNTY | 1,184 | 1,184 | 1,184 | 1,184 | 1,184 | 1,184 |
| MANUFACTURING | L GULF COAST AQUIFER DEWITT COUNTY | 455 | 455 | 455 | 455 | 455 | 455 |
| MINING | L GULF COAST AQUIFER DEWITT COUNTY | 2,405 | 2,259 | 1,668 | 1,081 | 494 | 229 |
| LIVESTOCK | L GUADALUPE LIVESTOCK LOCAL SUPPLY | 631 | 631 | 631 | 631 | 631 | 631 |
| LIVESTOCK | L GULF COAST AQUIFER DEWITT COUNTY | 886 | 886 | 886 | 886 | 886 | 886 |
| IRRIGATION | L GULF COAST AQUIFER DEWITT COUNTY | 520 | 520 | 520 | 520 | 520 | 520 |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 11,235 | 11,081 | 10,482 | 9,886 | 9,292 | 9,019 |
| LAVACA BASIN | | | | | | | |
| YOAKUM | L GULF COAST AQUIFER DEWITT COUNTY | 458 | 458 | 458 | 458 | 458 | 458 |
| COUNTY-OTHER | L GULF COAST AQUIFER DEWITT COUNTY | 206 | 208 | 215 | 224 | 225 | 225 |
| MANUFACTURING | L GULF COAST AQUIFER DEWITT COUNTY | 314 | 317 | 329 | 343 | 345 | 345 |
| MINING | L GULF COAST AQUIFER DEWITT COUNTY | 462 | 438 | 335 | 226 | 104 | 48 |
| LIVESTOCK | L GULF COAST AQUIFER DEWITT COUNTY | 27 | 27 | 27 | 27 | 27 | 27 |
| LIVESTOCK | L LAVACA LIVESTOCK LOCAL SUPPLY | 282 | 282 | 282 | 282 | 282 | 282 |

Water User Group (WUG) Existing Water Supply

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|--|--|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| DEWITT COUNTY | | | | | | | |
| LAVACA BASIN | | | | | | | |
| IRRIGATION | L GULF COAST AQUIFER DEWITT COUNTY | 772 | 778 | 807 | 840 | 846 | 846 |
| LAVACA BASIN TOTAL EXISTING SUPPLY | | 2,521 | 2,508 | 2,453 | 2,400 | 2,287 | 2,231 |
| LAVACA-GUADALUPE BASIN | | | | | | | |
| COUNTY-OTHER | L GULF COAST AQUIFER DEWITT COUNTY | 2 | 2 | 2 | 2 | 2 | 2 |
| LIVESTOCK | L GULF COAST AQUIFER DEWITT COUNTY | 9 | 9 | 9 | 9 | 9 | 9 |
| LIVESTOCK | L LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | 9 | 9 | 9 | 9 | 9 | 9 |
| IRRIGATION | L GULF COAST AQUIFER DEWITT COUNTY | 15 | 15 | 15 | 15 | 15 | 15 |
| LAVACA-GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 35 | 35 | 35 | 35 | 35 | 35 |
| SAN ANTONIO BASIN | | | | | | | |
| COUNTY-OTHER | L GULF COAST AQUIFER DEWITT COUNTY | 89 | 89 | 89 | 89 | 89 | 89 |
| MINING | L GULF COAST AQUIFER DEWITT COUNTY | 254 | 238 | 176 | 113 | 52 | 24 |
| LIVESTOCK | L GULF COAST AQUIFER DEWITT COUNTY | 75 | 75 | 75 | 75 | 75 | 75 |
| LIVESTOCK | L SAN ANTONIO LIVESTOCK LOCAL SUPPLY | 75 | 75 | 75 | 75 | 75 | 75 |
| IRRIGATION | L GULF COAST AQUIFER DEWITT COUNTY | 104 | 104 | 104 | 104 | 104 | 104 |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY | | 597 | 581 | 519 | 456 | 395 | 367 |
| DEWITT COUNTY TOTAL EXISTING SUPPLY | | 14,388 | 14,205 | 13,489 | 12,777 | 12,009 | 11,652 |
| DIMMIT COUNTY | | | | | | | |
| NUECES BASIN | | | | | | | |
| ASHERTON | L CARRIZO-WILCOX AQUIFER DIMMIT COUNTY | 313 | 313 | 313 | 313 | 313 | 313 |
| BIG WELLS | L CARRIZO-WILCOX AQUIFER DIMMIT COUNTY | 251 | 251 | 251 | 251 | 251 | 251 |
| CARRIZO SPRINGS | L CARRIZO-WILCOX AQUIFER DIMMIT COUNTY | 2,003 | 2,003 | 2,003 | 2,003 | 2,003 | 2,003 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER DIMMIT COUNTY | 311 | 311 | 311 | 311 | 311 | 311 |
| MINING | L CARRIZO-WILCOX AQUIFER DIMMIT COUNTY | 92 | 92 | 92 | 92 | 92 | 92 |
| MINING | L NUECES RUN-OF-RIVER | 1 | 1 | 1 | 1 | 1 | 1 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER DIMMIT COUNTY | 219 | 219 | 219 | 219 | 219 | 219 |
| LIVESTOCK | L NUECES LIVESTOCK LOCAL SUPPLY | 220 | 220 | 220 | 220 | 220 | 220 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER DIMMIT COUNTY | 64 | 64 | 64 | 64 | 64 | 64 |
| IRRIGATION | L NUECES RUN-OF-RIVER | 2,261 | 2,261 | 2,261 | 2,261 | 2,261 | 2,261 |
| NUECES BASIN TOTAL EXISTING SUPPLY | | 5,735 | 5,735 | 5,735 | 5,735 | 5,735 | 5,735 |
| RIO GRANDE BASIN | | | | | | | |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER DIMMIT COUNTY | 3 | 3 | 3 | 3 | 3 | 3 |
| MINING | | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER DIMMIT COUNTY | 25 | 25 | 25 | 25 | 25 | 25 |
| LIVESTOCK | L RIO GRANDE LIVESTOCK LOCAL SUPPLY | 24 | 24 | 24 | 24 | 24 | 24 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER DIMMIT COUNTY | 78 | 78 | 78 | 78 | 78 | 78 |
| RIO GRANDE BASIN TOTAL EXISTING SUPPLY | | 130 | 130 | 130 | 130 | 130 | 130 |
| DIMMIT COUNTY TOTAL EXISTING SUPPLY | | 5,865 | 5,865 | 5,865 | 5,865 | 5,865 | 5,865 |
| FRIO COUNTY | | | | | | | |
| NUECES BASIN | | | | | | | |
| BENTON CITY WSC | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 100 | 94 | 90 | 88 | 85 | 83 |
| DILLEY | L CARRIZO-WILCOX AQUIFER FRIO COUNTY | 2,107 | 2,107 | 2,107 | 2,107 | 2,107 | 2,107 |

Water User Group (WUG) Existing Water Supply

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|--|---|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| FRIO COUNTY | | | | | | | |
| NUECES BASIN | | | | | | | |
| PEARSALL | L CARRIZO-WILCOX AQUIFER FRIO COUNTY | 2,731 | 2,731 | 2,731 | 2,731 | 2,731 | 2,731 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER FRIO COUNTY | 1,020 | 1,020 | 1,020 | 1,020 | 1,020 | 1,020 |
| MINING | L CARRIZO-WILCOX AQUIFER FRIO COUNTY | 517 | 550 | 528 | 386 | 220 | 190 |
| MINING | L QUEEN CITY AQUIFER FRIO COUNTY | 700 | 700 | 650 | 600 | 400 | 200 |
| STEAM ELECTRIC POWER | L CARRIZO-WILCOX AQUIFER FRIO COUNTY | 555 | 555 | 555 | 555 | 555 | 555 |
| LIVESTOCK | L NUECES LIVESTOCK LOCAL SUPPLY | 497 | 497 | 497 | 497 | 497 | 497 |
| LIVESTOCK | L QUEEN CITY AQUIFER FRIO COUNTY | 497 | 497 | 497 | 497 | 497 | 497 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER FRIO COUNTY | 68,922 | 66,442 | 64,071 | 61,803 | 59,611 | 57,600 |
| IRRIGATION | L QUEEN CITY AQUIFER FRIO COUNTY | 1,211 | 1,211 | 1,211 | 1,211 | 1,211 | 1,211 |
| IRRIGATION | L SPARTA AQUIFER FRIO COUNTY | 698 | 674 | 650 | 624 | 601 | 601 |
| NUECES BASIN TOTAL EXISTING SUPPLY | | 79,555 | 77,078 | 74,607 | 72,119 | 69,535 | 67,292 |
| FRIO COUNTY TOTAL EXISTING SUPPLY | | 79,555 | 77,078 | 74,607 | 72,119 | 69,535 | 67,292 |
| GOLIAD COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| COUNTY-OTHER | L GULF COAST AQUIFER GOLIAD COUNTY | 589 | 589 | 589 | 589 | 589 | 589 |
| MINING | L GULF COAST AQUIFER GOLIAD COUNTY | 126 | 126 | 126 | 126 | 126 | 126 |
| STEAM ELECTRIC POWER | L COLETO CREEK LAKE/RESERVOIR | 24,160 | 24,160 | 24,160 | 24,160 | 24,160 | 24,160 |
| STEAM ELECTRIC POWER | L GULF COAST AQUIFER GOLIAD COUNTY | 2,800 | 2,800 | 2,800 | 2,800 | 2,800 | 2,800 |
| LIVESTOCK | L GUADALUPE LIVESTOCK LOCAL SUPPLY | 140 | 140 | 140 | 140 | 140 | 140 |
| LIVESTOCK | L GULF COAST AQUIFER GOLIAD COUNTY | 122 | 122 | 122 | 122 | 122 | 122 |
| IRRIGATION | L GULF COAST AQUIFER GOLIAD COUNTY | 742 | 742 | 742 | 742 | 742 | 742 |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 28,679 | 28,679 | 28,679 | 28,679 | 28,679 | 28,679 |
| SAN ANTONIO BASIN | | | | | | | |
| GOLIAD | L GULF COAST AQUIFER GOLIAD COUNTY | 804 | 804 | 804 | 804 | 804 | 804 |
| COUNTY-OTHER | L GULF COAST AQUIFER GOLIAD COUNTY | 491 | 491 | 491 | 491 | 491 | 491 |
| MANUFACTURING | L GULF COAST AQUIFER GOLIAD COUNTY | 122 | 122 | 122 | 122 | 122 | 122 |
| MINING | L GULF COAST AQUIFER GOLIAD COUNTY | 275 | 275 | 275 | 275 | 275 | 275 |
| LIVESTOCK | L GULF COAST AQUIFER GOLIAD COUNTY | 233 | 233 | 233 | 233 | 233 | 233 |
| LIVESTOCK | L SAN ANTONIO LIVESTOCK LOCAL SUPPLY | 215 | 215 | 215 | 215 | 215 | 215 |
| IRRIGATION | L GULF COAST AQUIFER GOLIAD COUNTY | 592 | 592 | 592 | 592 | 592 | 592 |
| IRRIGATION | L SAN ANTONIO RUN-OF-RIVER | 2,425 | 2,425 | 2,425 | 2,425 | 2,425 | 2,425 |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY | | 5,157 | 5,157 | 5,157 | 5,157 | 5,157 | 5,157 |
| SAN ANTONIO-NUECES BASIN | | | | | | | |
| COUNTY-OTHER | L GULF COAST AQUIFER GOLIAD COUNTY | 132 | 132 | 132 | 132 | 132 | 132 |
| MINING | L GULF COAST AQUIFER GOLIAD COUNTY | 49 | 49 | 49 | 49 | 49 | 49 |
| LIVESTOCK | L GULF COAST AQUIFER GOLIAD COUNTY | 209 | 209 | 209 | 209 | 209 | 209 |
| LIVESTOCK | L SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY | 209 | 209 | 209 | 209 | 209 | 209 |
| IRRIGATION | L GULF COAST AQUIFER GOLIAD COUNTY | 416 | 416 | 416 | 416 | 416 | 416 |
| SAN ANTONIO-NUECES BASIN TOTAL EXISTING SUPPLY | | 1,015 | 1,015 | 1,015 | 1,015 | 1,015 | 1,015 |
| GOLIAD COUNTY TOTAL EXISTING SUPPLY | | 34,851 | 34,851 | 34,851 | 34,851 | 34,851 | 34,851 |

Water User Group (WUG) Existing Water Supply

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------------|---|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| GONZALES COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| GONZALES | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 345 | 345 | 345 | 345 | 345 | 345 |
| GONZALES | L GUADALUPE RUN-OF-RIVER | 2,240 | 2,240 | 2,240 | 2,240 | 2,240 | 2,240 |
| GONZALES COUNTY WSC | L CANYON LAKE/RESERVOIR | 635 | 634 | 634 | 634 | 634 | 635 |
| GONZALES COUNTY WSC | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 1,836 | 1,833 | 1,831 | 1,832 | 1,833 | 1,836 |
| NIXON | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 2,632 | 2,633 | 2,633 | 2,629 | 2,629 | 2,630 |
| WAElder | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 597 | 597 | 597 | 597 | 597 | 597 |
| SMILEY | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 225 | 225 | 225 | 225 | 225 | 225 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 539 | 539 | 539 | 539 | 539 | 539 |
| MANUFACTURING | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 1,247 | 1,247 | 1,247 | 1,247 | 1,247 | 1,247 |
| MANUFACTURING | L SPARTA AQUIFER GONZALES COUNTY | 1,140 | 1,140 | 1,140 | 1,140 | 1,140 | 1,140 |
| MINING | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 1,600 | 1,207 | 813 | 418 | 24 | 1 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 2,962 | 2,962 | 2,962 | 2,962 | 2,962 | 2,962 |
| LIVESTOCK | L GULF COAST AQUIFER GONZALES COUNTY | 35 | 35 | 35 | 35 | 35 | 35 |
| LIVESTOCK | L QUEEN CITY AQUIFER GONZALES COUNTY | 554 | 554 | 554 | 554 | 554 | 554 |
| LIVESTOCK | L SPARTA AQUIFER GONZALES COUNTY | 449 | 449 | 449 | 449 | 449 | 449 |
| LIVESTOCK | L YEGUA-JACKSON AQUIFER GONZALES COUNTY | 629 | 629 | 629 | 629 | 629 | 629 |
| IRRIGATION | L CANYON LAKE/RESERVOIR | 7 | 7 | 7 | 7 | 7 | 7 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 1,027 | 1,027 | 1,027 | 1,027 | 1,027 | 1,027 |
| IRRIGATION | L GUADALUPE RUN-OF-RIVER | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 |
| IRRIGATION | L QUEEN CITY AQUIFER GONZALES COUNTY | 629 | 629 | 629 | 629 | 629 | 629 |
| IRRIGATION | L YEGUA-JACKSON AQUIFER GONZALES COUNTY | 140 | 140 | 140 | 140 | 140 | 140 |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 21,268 | 20,872 | 20,476 | 20,078 | 19,685 | 19,667 |
| LAVACA BASIN | | | | | | | |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 33 | 33 | 33 | 33 | 33 | 33 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 107 | 107 | 107 | 107 | 107 | 107 |
| LAVACA BASIN TOTAL EXISTING SUPPLY | | 140 | 140 | 140 | 140 | 140 | 140 |
| GONZALES COUNTY TOTAL EXISTING SUPPLY | | 21,408 | 21,012 | 20,616 | 20,218 | 19,825 | 19,807 |
| GUADALUPE COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| SEGUIN | L CANYON LAKE/RESERVOIR | 1,160 | 1,171 | 1,200 | 1,263 | 1,329 | 1,397 |
| SEGUIN | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 3,325 | 4,092 | 4,866 | 5,589 | 6,357 | 7,116 |
| SEGUIN | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 161 | 170 | 199 | 262 | 330 | 396 |
| SEGUIN | L DIRECT REUSE | 61 | 61 | 61 | 61 | 61 | 61 |
| SPRINGS HILL WSC | L CANYON LAKE/RESERVOIR | 3,011 | 2,972 | 2,869 | 2,645 | 2,409 | 2,170 |

Water User Group (WUG) Existing Water Supply

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---------------------|--|--------------------------------------|-------|-------|-------|-------|-------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| GUADALUPE COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| SPRINGS HILL WSC | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 785 | 766 | 714 | 602 | 484 | 433 |
| SPRINGS HILL WSC | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 646 | 628 | 577 | 465 | 346 | 159 |
| SPRINGS HILL WSC | L GUADALUPE RUN-OF-RIVER | 79 | 79 | 79 | 79 | 79 | 79 |
| CRYSTAL CLEAR WSC | L CANYON LAKE/RESERVOIR | 824 | 834 | 837 | 831 | 824 | 813 |
| CRYSTAL CLEAR WSC | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 190 | 192 | 193 | 192 | 190 | 188 |
| CRYSTAL CLEAR WSC | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 32 | 32 | 32 | 32 | 32 | 31 |
| CRYSTAL CLEAR WSC | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 647 | 655 | 657 | 652 | 647 | 639 |
| CRYSTAL CLEAR WSC | L GUADALUPE RIVER ALLUVIUM AQUIFER CALDWELL COUNTY | 136 | 138 | 138 | 137 | 136 | 135 |
| GONZALES COUNTY WSC | L CANYON LAKE/RESERVOIR | 10 | 11 | 12 | 13 | 13 | 14 |
| GONZALES COUNTY WSC | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 30 | 32 | 35 | 37 | 38 | 39 |
| GREEN VALLEY SUD | L CANYON LAKE/RESERVOIR | 521 | 525 | 528 | 531 | 533 | 536 |
| GREEN VALLEY SUD | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 145 | 145 | 146 | 147 | 148 | 149 |
| GREEN VALLEY SUD | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 139 | 140 | 141 | 141 | 142 | 143 |
| GREEN VALLEY SUD | L TRINITY AQUIFER BEXAR COUNTY | 48 | 48 | 48 | 48 | 49 | 49 |
| LULING | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 5 | 4 | 4 | 4 | 4 | 4 |
| NEW BRAUNFELS | L CANYON LAKE/RESERVOIR | 1,648 | 1,596 | 1,562 | 1,532 | 1,513 | 1,502 |
| NEW BRAUNFELS | L DIRECT REUSE | 18 | 18 | 17 | 17 | 17 | 17 |
| NEW BRAUNFELS | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 938 | 908 | 888 | 871 | 860 | 854 |
| NEW BRAUNFELS | L GUADALUPE RUN-OF-RIVER | 219 | 212 | 208 | 204 | 201 | 200 |
| NEW BRAUNFELS | L TRINITY AQUIFER BEXAR COUNTY | 18 | 17 | 17 | 17 | 16 | 16 |
| NEW BRAUNFELS | L TRINITY AQUIFER COMAL COUNTY | 109 | 106 | 104 | 102 | 100 | 100 |
| SANTA CLARA | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 21 | 20 | 20 | 21 | 20 | 20 |
| SCHERTZ | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 411 | 560 | 596 | 544 | 489 | 439 |
| SCHERTZ | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 67 | 66 | 65 | 65 | 64 | 63 |
| COUNTY-OTHER | L CANYON LAKE/RESERVOIR | 649 | 762 | 783 | 828 | 877 | 924 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 218 | 261 | 282 | 327 | 375 | 368 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 1,128 | 1,152 | 1,172 | 1,217 | 1,264 | 1,367 |
| COUNTY-OTHER | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 60 | 70 | 70 | 70 | 70 | 70 |
| COUNTY-OTHER | L GUADALUPE RUN-OF-RIVER | 61 | 61 | 61 | 61 | 61 | 61 |
| COUNTY-OTHER | L TRINITY AQUIFER BEXAR COUNTY | 30 | 35 | 35 | 35 | 35 | 35 |
| MANUFACTURING | L CANYON LAKE/RESERVOIR | 985 | 985 | 985 | 985 | 985 | 985 |
| MANUFACTURING | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 1,004 | 1,004 | 1,004 | 1,004 | 1,004 | 1,004 |
| MANUFACTURING | L EDWARDS-BFZ AQUIFER GUADALUPE COUNTY | 208 | 208 | 208 | 208 | 208 | 208 |

Water User Group (WUG) Existing Water Supply

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------------|---|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| GUADALUPE COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| MANUFACTURING | L GUADALUPE RUN-OF-RIVER | 1,459 | 1,459 | 1,459 | 1,459 | 1,459 | 1,459 |
| MINING | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 342 | 412 | 479 | 566 | 663 | 782 |
| STEAM ELECTRIC POWER | L CANYON LAKE/RESERVOIR | 6,840 | 6,840 | 6,840 | 6,840 | 6,840 | 6,840 |
| STEAM ELECTRIC POWER | L DIRECT REUSE | 1,352 | 1,352 | 1,352 | 1,352 | 1,352 | 1,352 |
| STEAM ELECTRIC POWER | L GUADALUPE RUN-OF-RIVER | 5,600 | 5,600 | 5,600 | 5,600 | 5,600 | 5,600 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 418 | 418 | 418 | 418 | 418 | 418 |
| LIVESTOCK | L GUADALUPE LIVESTOCK LOCAL SUPPLY | 523 | 523 | 523 | 523 | 523 | 523 |
| IRRIGATION | L CANYON LAKE/RESERVOIR | 336 | 336 | 336 | 336 | 336 | 336 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 122 | 122 | 122 | 122 | 122 | 122 |
| IRRIGATION | L GUADALUPE RUN-OF-RIVER | 429 | 429 | 429 | 429 | 429 | 429 |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 37,168 | 38,227 | 38,971 | 39,484 | 40,052 | 40,645 |
| SAN ANTONIO BASIN | | | | | | | |
| SPRINGS HILL WSC | L CANYON LAKE/RESERVOIR | 405 | 402 | 387 | 357 | 325 | 292 |
| SPRINGS HILL WSC | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 105 | 103 | 96 | 81 | 65 | 58 |
| SPRINGS HILL WSC | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 87 | 85 | 78 | 63 | 47 | 21 |
| SPRINGS HILL WSC | L GUADALUPE RUN-OF-RIVER | 11 | 11 | 11 | 11 | 11 | 11 |
| CIBOLO | L CANYON LAKE/RESERVOIR | 2,526 | 2,526 | 2,526 | 2,526 | 2,526 | 2,526 |
| CIBOLO | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 |
| GREEN VALLEY SUD | L CANYON LAKE/RESERVOIR | 380 | 383 | 386 | 387 | 389 | 392 |
| GREEN VALLEY SUD | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 105 | 106 | 107 | 108 | 108 | 109 |
| GREEN VALLEY SUD | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 101 | 102 | 103 | 103 | 104 | 104 |
| GREEN VALLEY SUD | L TRINITY AQUIFER BEXAR COUNTY | 35 | 35 | 35 | 35 | 36 | 36 |
| MARION | L CANYON LAKE/RESERVOIR | 208 | 208 | 208 | 208 | 208 | 208 |
| MARION | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 5 | 5 | 5 | 5 | 5 | 5 |
| MARION | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 114 | 114 | 114 | 114 | 114 | 114 |
| MARION | L TRINITY AQUIFER BEXAR COUNTY | 5 | 5 | 5 | 5 | 5 | 5 |
| SANTA CLARA | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 123 | 124 | 124 | 123 | 124 | 124 |
| SCHERTZ | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 5,136 | 6,998 | 7,446 | 6,796 | 6,118 | 5,486 |
| SCHERTZ | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 834 | 830 | 818 | 807 | 794 | 785 |
| SELMA | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 338 | 504 | 478 | 455 | 436 | 419 |
| SELMA | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 204 | 304 | 288 | 274 | 263 | 253 |
| WATER SERVICES INC | L TRINITY AQUIFER BEXAR COUNTY | 64 | 69 | 72 | 76 | 79 | 82 |
| NEW BERLIN | L CANYON LAKE/RESERVOIR | 34 | 40 | 47 | 53 | 60 | 66 |

Water User Group (WUG) Existing Water Supply

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---|--|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| GUADALUPE COUNTY | | | | | | | |
| SAN ANTONIO BASIN | | | | | | | |
| NEW BERLIN | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 34 | 40 | 46 | 53 | 59 | 66 |
| NEW BERLIN | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 34 | 40 | 47 | 53 | 60 | 66 |
| EAST CENTRAL SUD | L CANYON LAKE/RESERVOIR | 49 | 50 | 50 | 50 | 49 | 48 |
| EAST CENTRAL SUD | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 46 | 49 | 51 | 53 | 55 | 56 |
| EAST CENTRAL SUD | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 19 | 20 | 20 | 21 | 21 | 22 |
| COUNTY-OTHER | L CANYON LAKE/RESERVOIR | 426 | 323 | 332 | 351 | 370 | 391 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 145 | 112 | 121 | 140 | 160 | 157 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 173 | 160 | 169 | 188 | 208 | 252 |
| COUNTY-OTHER | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 40 | 30 | 30 | 30 | 30 | 30 |
| COUNTY-OTHER | L TRINITY AQUIFER BEXAR COUNTY | 20 | 15 | 15 | 15 | 15 | 15 |
| MANUFACTURING | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 11 | 11 | 11 | 11 | 11 | 11 |
| MINING | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 114 | 138 | 160 | 189 | 221 | 261 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 105 | 105 | 105 | 105 | 105 | 105 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 75 | 75 | 75 | 75 | 75 | 75 |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY | | 13,511 | 15,522 | 15,966 | 15,321 | 14,656 | 14,051 |
| GUADALUPE COUNTY TOTAL EXISTING SUPPLY | | 50,679 | 53,749 | 54,937 | 54,805 | 54,708 | 54,696 |
| HAYS COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| BUDA | L CANYON LAKE/RESERVOIR | 299 | 388 | 499 | 639 | 798 | 979 |
| COUNTY LINE WSC | L CANYON LAKE/RESERVOIR | 226 | 197 | 161 | 113 | 57 | 0 |
| COUNTY LINE WSC | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 77 | 79 | 81 | 83 | 85 | 87 |
| CREEDMOOR-MAHA WSC | K EDWARDS-BFZ AQUIFER TRAVIS COUNTY | 10 | 12 | 15 | 19 | 23 | 28 |
| CRYSTAL CLEAR WSC | L CANYON LAKE/RESERVOIR | 323 | 317 | 319 | 329 | 340 | 354 |
| CRYSTAL CLEAR WSC | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 74 | 73 | 74 | 76 | 79 | 82 |
| CRYSTAL CLEAR WSC | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 12 | 12 | 12 | 13 | 13 | 14 |
| CRYSTAL CLEAR WSC | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 254 | 249 | 251 | 258 | 267 | 278 |
| CRYSTAL CLEAR WSC | L GUADALUPE RIVER ALLUVIUM AQUIFER CALDWELL COUNTY | 53 | 53 | 53 | 54 | 56 | 59 |
| KYLE | L CANYON LAKE/RESERVOIR | 5,743 | 5,743 | 5,743 | 5,743 | 5,743 | 5,732 |
| KYLE | L DIRECT REUSE | 199 | 199 | 199 | 199 | 199 | 199 |
| KYLE | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 390 | 390 | 390 | 390 | 390 | 390 |
| MAXWELL WSC | L CANYON LAKE/RESERVOIR | 101 | 92 | 87 | 85 | 84 | 84 |
| MAXWELL WSC | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 39 | 35 | 33 | 32 | 32 | 32 |
| MAXWELL WSC | L GUADALUPE RUN-OF-RIVER | 153 | 139 | 131 | 128 | 127 | 127 |
| MOUNTAIN CITY | K EDWARDS-BFZ AQUIFER HAYS COUNTY | 15 | 16 | 18 | 18 | 18 | 18 |
| MOUNTAIN CITY | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 13 | 13 | 13 | 13 | 13 | 13 |

Water User Group (WUG) Existing Water Supply

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------------|---|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| HAYS COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| NIEDERWALD | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 10 | 10 | 11 | 11 | 11 | 11 |
| PLUM CREEK WATER COMPANY | L TRINITY AQUIFER HAYS COUNTY | 984 | 883 | 864 | 847 | 835 | 825 |
| SAN MARCOS | L CANYON LAKE/RESERVOIR | 9,998 | 9,998 | 9,998 | 9,997 | 9,997 | 9,997 |
| SAN MARCOS | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 3,803 | 3,803 | 3,803 | 3,803 | 3,803 | 3,803 |
| WIMBERLEY WSC | L TRINITY AQUIFER HAYS COUNTY | 683 | 683 | 683 | 683 | 683 | 683 |
| WOODCREEK | L TRINITY AQUIFER HAYS COUNTY | 998 | 998 | 998 | 998 | 998 | 998 |
| GOFORTH SUD | K EDWARDS-BFZ AQUIFER TRAVIS COUNTY | 7 | 7 | 6 | 6 | 6 | 6 |
| GOFORTH SUD | L CANYON LAKE/RESERVOIR | 1,050 | 1,050 | 1,050 | 1,050 | 1,050 | 1,050 |
| GOFORTH SUD | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 105 | 104 | 103 | 103 | 103 | 103 |
| GOFORTH SUD | L TRINITY AQUIFER HAYS COUNTY | 2,985 | 2,932 | 2,871 | 2,792 | 2,703 | 2,603 |
| UHLAND | L CANYON LAKE/RESERVOIR | 99 | 133 | 175 | 229 | 290 | 360 |
| WIMBERLEY | L TRINITY AQUIFER HAYS COUNTY | 844 | 844 | 844 | 844 | 844 | 844 |
| COUNTY-OTHER | L CANYON LAKE/RESERVOIR | 3,877 | 3,877 | 3,877 | 3,877 | 3,877 | 3,877 |
| COUNTY-OTHER | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 947 | 947 | 947 | 947 | 947 | 947 |
| COUNTY-OTHER | L TRINITY AQUIFER HAYS COUNTY | 341 | 341 | 341 | 341 | 341 | 341 |
| MANUFACTURING | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 680 | 680 | 680 | 680 | 680 | 680 |
| STEAM ELECTRIC POWER | L CANYON LAKE/RESERVOIR | 2,464 | 2,464 | 2,464 | 2,464 | 2,464 | 2,464 |
| STEAM ELECTRIC POWER | L DIRECT REUSE | 2,912 | 2,912 | 2,912 | 2,912 | 2,912 | 2,912 |
| LIVESTOCK | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 161 | 161 | 161 | 161 | 161 | 161 |
| LIVESTOCK | L GUADALUPE LIVESTOCK LOCAL SUPPLY | 204 | 204 | 204 | 204 | 204 | 204 |
| LIVESTOCK | L TRINITY AQUIFER HAYS COUNTY | 45 | 45 | 45 | 45 | 45 | 45 |
| IRRIGATION | L DIRECT REUSE | 224 | 224 | 224 | 224 | 224 | 224 |
| IRRIGATION | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 282 | 282 | 282 | 282 | 282 | 282 |
| IRRIGATION | L GUADALUPE RUN-OF-RIVER | 130 | 130 | 130 | 130 | 130 | 130 |
| IRRIGATION | L TRINITY AQUIFER HAYS COUNTY | 102 | 102 | 102 | 102 | 102 | 102 |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 41,916 | 41,821 | 41,854 | 41,924 | 42,016 | 42,128 |
| HAYS COUNTY TOTAL EXISTING SUPPLY | | 41,916 | 41,821 | 41,854 | 41,924 | 42,016 | 42,128 |
| KARNES COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| EL OSO WSC | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 4 | 4 | 4 | 4 | 4 | 4 |
| EL OSO WSC | L GULF COAST AQUIFER KARNES COUNTY | 5 | 5 | 5 | 5 | 5 | 6 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 20 | 20 | 20 | 20 | 20 | 20 |
| COUNTY-OTHER | L GULF COAST AQUIFER KARNES COUNTY | 8 | 8 | 8 | 8 | 8 | 8 |
| MINING | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 152 | 115 | 77 | 40 | 2 | 0 |
| LIVESTOCK | L GUADALUPE LIVESTOCK LOCAL SUPPLY | 20 | 20 | 20 | 20 | 20 | 20 |
| LIVESTOCK | L GULF COAST AQUIFER KARNES COUNTY | 4 | 4 | 4 | 4 | 4 | 4 |
| LIVESTOCK | L YEGUA-JACKSON AQUIFER KARNES COUNTY | 17 | 17 | 17 | 17 | 17 | 17 |
| IRRIGATION | L YEGUA-JACKSON AQUIFER KARNES COUNTY | 30 | 30 | 30 | 30 | 30 | 30 |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 260 | 223 | 185 | 148 | 110 | 109 |

Water User Group (WUG) Existing Water Supply

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---|---|--------------------------------------|-------|-------|-------|-------|-------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| KARNES COUNTY | | | | | | | |
| NUECES BASIN | | | | | | | |
| EL OSO WSC | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 10 | 10 | 10 | 10 | 10 | 10 |
| EL OSO WSC | L GULF COAST AQUIFER KARNES COUNTY | 14 | 14 | 13 | 13 | 12 | 12 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 20 | 20 | 20 | 20 | 20 | 20 |
| MINING | L GULF COAST AQUIFER KARNES COUNTY | 36 | 36 | 35 | 31 | 28 | 26 |
| LIVESTOCK | L GULF COAST AQUIFER KARNES COUNTY | 42 | 42 | 42 | 42 | 42 | 42 |
| LIVESTOCK | L YEGUA-JACKSON AQUIFER KARNES COUNTY | 22 | 22 | 22 | 22 | 22 | 22 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 42 | 42 | 42 | 42 | 42 | 42 |
| NUECES BASIN TOTAL EXISTING SUPPLY | | 186 | 186 | 184 | 180 | 176 | 174 |
| SAN ANTONIO BASIN | | | | | | | |
| EL OSO WSC | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 279 | 291 | 300 | 304 | 305 | 302 |
| EL OSO WSC | L GULF COAST AQUIFER KARNES COUNTY | 393 | 389 | 383 | 378 | 361 | 357 |
| FALLS CITY | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 220 | 233 | 243 | 248 | 252 | 252 |
| KARNES CITY | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 289 | 306 | 319 | 326 | 331 | 331 |
| KENEDY | L GULF COAST AQUIFER KARNES COUNTY | 1,260 | 1,257 | 1,256 | 1,254 | 1,211 | 1,211 |
| RUNGE | L GULF COAST AQUIFER KARNES COUNTY | 274 | 273 | 273 | 273 | 263 | 263 |
| SUNKO WSC | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 54 | 47 | 40 | 35 | 31 | 29 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 51 | 52 | 52 | 52 | 52 | 52 |
| COUNTY-OTHER | L GULF COAST AQUIFER KARNES COUNTY | 549 | 548 | 548 | 547 | 528 | 528 |
| MANUFACTURING | L GULF COAST AQUIFER KARNES COUNTY | 229 | 228 | 228 | 228 | 220 | 220 |
| MINING | L DIRECT REUSE | 30 | 30 | 30 | 30 | 30 | 30 |
| MINING | L GULF COAST AQUIFER KARNES COUNTY | 9 | 9 | 9 | 9 | 0 | 0 |
| MINING | L YEGUA-JACKSON AQUIFER KARNES COUNTY | 411 | 411 | 411 | 411 | 15 | 1 |
| LIVESTOCK | L GULF COAST AQUIFER KARNES COUNTY | 275 | 274 | 274 | 273 | 264 | 264 |
| LIVESTOCK | L SAN ANTONIO LIVESTOCK LOCAL SUPPLY | 547 | 548 | 548 | 549 | 558 | 558 |
| LIVESTOCK | L YEGUA-JACKSON AQUIFER KARNES COUNTY | 217 | 217 | 217 | 217 | 217 | 217 |
| IRRIGATION | L GULF COAST AQUIFER KARNES COUNTY | 32 | 32 | 32 | 32 | 31 | 31 |
| IRRIGATION | L SAN ANTONIO RUN-OF-RIVER | 725 | 725 | 725 | 725 | 725 | 725 |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY | | 5,844 | 5,870 | 5,888 | 5,891 | 5,394 | 5,371 |
| SAN ANTONIO-NUECES BASIN | | | | | | | |
| EL OSO WSC | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 2 | 3 | 3 | 3 | 3 | 3 |
| EL OSO WSC | L GULF COAST AQUIFER KARNES COUNTY | 3 | 3 | 3 | 3 | 3 | 3 |
| COUNTY-OTHER | L GULF COAST AQUIFER KARNES COUNTY | 20 | 20 | 20 | 20 | 20 | 20 |
| MINING | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 1 | 1 | 1 | 1 | 1 | 1 |
| MINING | L GULF COAST AQUIFER KARNES COUNTY | 25 | 25 | 25 | 25 | 9 | 0 |
| LIVESTOCK | L GULF COAST AQUIFER KARNES COUNTY | 14 | 14 | 14 | 14 | 14 | 14 |
| LIVESTOCK | L SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY | 10 | 10 | 10 | 10 | 10 | 10 |
| IRRIGATION | L GULF COAST AQUIFER KARNES COUNTY | 16 | 16 | 16 | 16 | 16 | 16 |

Water User Group (WUG) Existing Water Supply

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|--|--|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| KARNES COUNTY | | | | | | | |
| SAN ANTONIO-NUECES BASIN TOTAL EXISTING SUPPLY | | 91 | 92 | 92 | 92 | 76 | 67 |
| KARNES COUNTY TOTAL EXISTING SUPPLY | | 6,381 | 6,371 | 6,349 | 6,311 | 5,756 | 5,721 |
| KENDALL COUNTY | | | | | | | |
| COLORADO BASIN | | | | | | | |
| COUNTY-OTHER | L EDWARDS-TRINITY-PLATEAU AQUIFER KENDALL COUNTY | 44 | 44 | 44 | 44 | 44 | 44 |
| COUNTY-OTHER | L TRINITY AQUIFER KENDALL COUNTY | 44 | 44 | 44 | 44 | 44 | 44 |
| LIVESTOCK | L COLORADO LIVESTOCK LOCAL SUPPLY | 6 | 6 | 6 | 6 | 6 | 6 |
| LIVESTOCK | L EDWARDS-TRINITY-PLATEAU AQUIFER KENDALL COUNTY | 2 | 2 | 2 | 2 | 2 | 2 |
| LIVESTOCK | L TRINITY AQUIFER KENDALL COUNTY | 5 | 5 | 5 | 5 | 5 | 5 |
| COLORADO BASIN TOTAL EXISTING SUPPLY | | 101 | 101 | 101 | 101 | 101 | 101 |
| GUADALUPE BASIN | | | | | | | |
| KENDALL COUNTY WCID #1 | L DIRECT REUSE | 230 | 230 | 230 | 230 | 230 | 230 |
| KENDALL COUNTY WCID #1 | L TRINITY AQUIFER KENDALL COUNTY | 545 | 545 | 545 | 545 | 545 | 545 |
| COUNTY-OTHER | L CANYON LAKE/RESERVOIR | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 |
| COUNTY-OTHER | L EDWARDS-TRINITY-PLATEAU AQUIFER KENDALL COUNTY | 94 | 94 | 94 | 94 | 94 | 94 |
| COUNTY-OTHER | L TRINITY AQUIFER KENDALL COUNTY | 1,320 | 1,320 | 1,320 | 1,320 | 1,320 | 1,320 |
| LIVESTOCK | L EDWARDS-TRINITY-PLATEAU AQUIFER KENDALL COUNTY | 9 | 9 | 9 | 9 | 9 | 9 |
| LIVESTOCK | L GUADALUPE LIVESTOCK LOCAL SUPPLY | 159 | 159 | 159 | 159 | 159 | 159 |
| LIVESTOCK | L TRINITY AQUIFER KENDALL COUNTY | 148 | 148 | 148 | 148 | 148 | 148 |
| IRRIGATION | L DIRECT REUSE | 34 | 34 | 34 | 34 | 34 | 34 |
| IRRIGATION | L GUADALUPE RUN-OF-RIVER | 26 | 26 | 26 | 26 | 26 | 26 |
| IRRIGATION | L TRINITY AQUIFER KENDALL COUNTY | 300 | 300 | 300 | 300 | 300 | 300 |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 5,365 | 5,365 | 5,365 | 5,365 | 5,365 | 5,365 |
| SAN ANTONIO BASIN | | | | | | | |
| BOERNE | L BOERNE LAKE/RESERVOIR | 645 | 645 | 645 | 645 | 645 | 645 |
| BOERNE | L CANYON LAKE/RESERVOIR | 3,611 | 3,611 | 3,611 | 3,611 | 3,611 | 3,611 |
| BOERNE | L DIRECT REUSE | 7 | 7 | 7 | 7 | 7 | 7 |
| BOERNE | L TRINITY AQUIFER KENDALL COUNTY | 987 | 987 | 987 | 987 | 987 | 987 |
| WATER SERVICES INC | L TRINITY AQUIFER BEXAR COUNTY | 74 | 79 | 87 | 92 | 98 | 103 |
| FAIR OAKS RANCH | L CANYON LAKE/RESERVOIR | 585 | 690 | 775 | 840 | 895 | 940 |
| FAIR OAKS RANCH | L DIRECT REUSE | 177 | 209 | 235 | 254 | 271 | 285 |
| FAIR OAKS RANCH | L TRINITY AQUIFER COMAL COUNTY | 434 | 511 | 574 | 622 | 663 | 696 |
| COUNTY-OTHER | L TRINITY AQUIFER KENDALL COUNTY | 1,425 | 1,425 | 1,425 | 1,425 | 1,425 | 1,425 |
| LIVESTOCK | L EDWARDS-TRINITY-PLATEAU AQUIFER KENDALL COUNTY | 9 | 9 | 9 | 9 | 9 | 9 |
| LIVESTOCK | L SAN ANTONIO LIVESTOCK LOCAL SUPPLY | 33 | 33 | 33 | 33 | 33 | 33 |
| LIVESTOCK | L TRINITY AQUIFER KENDALL COUNTY | 24 | 24 | 24 | 24 | 24 | 24 |
| IRRIGATION | L TRINITY AQUIFER KENDALL COUNTY | 100 | 100 | 100 | 100 | 100 | 100 |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY | | 8,111 | 8,330 | 8,512 | 8,649 | 8,768 | 8,865 |
| KENDALL COUNTY TOTAL EXISTING SUPPLY | | 13,577 | 13,796 | 13,978 | 14,115 | 14,234 | 14,331 |

Water User Group (WUG) Existing Water Supply

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------------|--|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| LA SALLE COUNTY | | | | | | | |
| NUECES BASIN | | | | | | | |
| COTULLA | L CARRIZO-WILCOX AQUIFER LA SALLE COUNTY | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |
| ENCINAL | L CARRIZO-WILCOX AQUIFER LA SALLE COUNTY | 268 | 268 | 268 | 268 | 268 | 268 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER LA SALLE COUNTY | 500 | 500 | 500 | 500 | 500 | 500 |
| MINING | L CARRIZO-WILCOX AQUIFER LA SALLE COUNTY | 529 | 529 | 529 | 529 | 529 | 529 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER LA SALLE COUNTY | 139 | 139 | 139 | 139 | 139 | 139 |
| LIVESTOCK | L NUECES LIVESTOCK LOCAL SUPPLY | 305 | 305 | 305 | 305 | 305 | 305 |
| LIVESTOCK | L QUEEN CITY AQUIFER LA SALLE COUNTY | 1 | 1 | 1 | 1 | 1 | 1 |
| LIVESTOCK | L SPARTA AQUIFER LA SALLE COUNTY | 74 | 74 | 74 | 74 | 74 | 74 |
| LIVESTOCK | L YEGUA-JACKSON AQUIFER LA SALLE COUNTY | 91 | 91 | 91 | 91 | 91 | 91 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER LA SALLE COUNTY | 3,018 | 3,018 | 3,018 | 3,018 | 3,018 | 3,018 |
| IRRIGATION | L NUECES RUN-OF-RIVER | 705 | 705 | 705 | 705 | 705 | 705 |
| IRRIGATION | L SPARTA AQUIFER LA SALLE COUNTY | 913 | 913 | 913 | 913 | 913 | 913 |
| NUECES BASIN TOTAL EXISTING SUPPLY | | 8,543 | 8,543 | 8,543 | 8,543 | 8,543 | 8,543 |
| LA SALLE COUNTY TOTAL EXISTING SUPPLY | | 8,543 | 8,543 | 8,543 | 8,543 | 8,543 | 8,543 |
| MEDINA COUNTY | | | | | | | |
| NUECES BASIN | | | | | | | |
| BENTON CITY WSC | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 896 | 920 | 931 | 933 | 933 | 930 |
| DEVINE | L CARRIZO-WILCOX AQUIFER MEDINA COUNTY | 221 | 220 | 220 | 220 | 220 | 220 |
| DEVINE | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 535 | 535 | 535 | 535 | 535 | 535 |
| HONDO | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 1,530 | 1,530 | 1,530 | 1,530 | 1,530 | 1,530 |
| LYTLE | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 80 | 85 | 87 | 88 | 88 | 88 |
| NATALIA | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 180 | 180 | 180 | 180 | 180 | 180 |
| YANCEY WSC | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 124 | 125 | 125 | 125 | 125 | 125 |
| EAST MEDINA COUNTY SUD | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 925 | 926 | 926 | 927 | 926 | 926 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER MEDINA COUNTY | 500 | 498 | 498 | 498 | 498 | 498 |
| COUNTY-OTHER | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 1,232 | 1,232 | 1,232 | 1,232 | 1,232 | 1,232 |
| MANUFACTURING | L CARRIZO-WILCOX AQUIFER MEDINA COUNTY | 2 | 2 | 2 | 2 | 2 | 2 |
| MANUFACTURING | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 1,937 | 1,937 | 1,937 | 1,937 | 1,937 | 1,937 |
| MINING | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 305 | 305 | 305 | 305 | 305 | 305 |
| MINING | L LEONA GRAVEL AQUIFER MEDINA COUNTY | 1,083 | 1,238 | 1,368 | 1,500 | 1,667 | 1,849 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER MEDINA COUNTY | 38 | 38 | 38 | 38 | 38 | 38 |
| LIVESTOCK | L LEONA GRAVEL AQUIFER MEDINA COUNTY | 321 | 321 | 321 | 321 | 321 | 321 |
| LIVESTOCK | L NUECES LIVESTOCK LOCAL SUPPLY | 519 | 519 | 519 | 519 | 519 | 519 |
| LIVESTOCK | L TRINITY AQUIFER MEDINA COUNTY | 164 | 164 | 164 | 164 | 164 | 164 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER MEDINA COUNTY | 1,758 | 1,749 | 1,749 | 1,749 | 1,749 | 1,749 |
| IRRIGATION | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 12,238 | 12,238 | 12,238 | 12,238 | 12,238 | 12,238 |

Water User Group (WUG) Existing Water Supply

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---|--|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| MEDINA COUNTY | | | | | | | |
| NUECES BASIN | | | | | | | |
| IRRIGATION | L TRINITY AQUIFER MEDINA COUNTY | 5,784 | 5,784 | 5,784 | 5,784 | 5,784 | 5,784 |
| NUECES BASIN TOTAL EXISTING SUPPLY | | 30,372 | 30,546 | 30,689 | 30,825 | 30,991 | 31,170 |
| SAN ANTONIO BASIN | | | | | | | |
| SAN ANTONIO | L CANYON LAKE/RESERVOIR | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 0 | 1 | 1 | 1 | 1 | 1 |
| SAN ANTONIO | L DIRECT REUSE | 1 | 1 | 2 | 2 | 2 | 2 |
| SAN ANTONIO | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 5 | 6 | 8 | 8 | 9 | 9 |
| SAN ANTONIO | L GUADALUPE RUN-OF-RIVER | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO | L TRINITY AQUIFER BEXAR COUNTY | 0 | 0 | 0 | 0 | 0 | 0 |
| CASTROVILLE | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 570 | 570 | 570 | 570 | 570 | 570 |
| LACOSTE | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 117 | 117 | 117 | 117 | 117 | 117 |
| YANCEY WSC | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 508 | 507 | 507 | 507 | 507 | 507 |
| SAN ANTONIO WATER SYSTEM | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 30 | 40 | 46 | 50 | 52 | 54 |
| SAN ANTONIO WATER SYSTEM | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 53 | 16 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L DIRECT REUSE | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 179 | 235 | 269 | 291 | 307 | 317 |
| SAN ANTONIO WATER SYSTEM | L GUADALUPE RUN-OF-RIVER | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L SAN ANTONIO RUN-OF-RIVER | 49 | 64 | 73 | 79 | 84 | 87 |
| SAN ANTONIO WATER SYSTEM | L TRINITY AQUIFER BEXAR COUNTY | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L TRINITY AQUIFER COMAL COUNTY | 0 | 0 | 0 | 0 | 0 | 0 |
| EAST MEDINA COUNTY SUD | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 85 | 84 | 84 | 83 | 84 | 84 |
| COUNTY-OTHER | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 489 | 489 | 489 | 489 | 489 | 489 |
| COUNTY-OTHER | L TRINITY AQUIFER MEDINA COUNTY | 300 | 300 | 300 | 300 | 300 | 300 |
| MANUFACTURING | L LEONA GRAVEL AQUIFER MEDINA COUNTY | 15 | 15 | 15 | 15 | 15 | 15 |
| MINING | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 277 | 277 | 277 | 277 | 277 | 277 |
| MINING | L LEONA GRAVEL AQUIFER MEDINA COUNTY | 186 | 237 | 331 | 375 | 430 | 491 |
| LIVESTOCK | L LEONA GRAVEL AQUIFER MEDINA COUNTY | 33 | 33 | 33 | 33 | 33 | 33 |
| LIVESTOCK | L SAN ANTONIO LIVESTOCK LOCAL SUPPLY | 63 | 63 | 63 | 63 | 63 | 63 |
| LIVESTOCK | L TRINITY AQUIFER MEDINA COUNTY | 27 | 27 | 27 | 27 | 27 | 27 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER MEDINA COUNTY | 26 | 26 | 26 | 26 | 26 | 26 |
| IRRIGATION | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 4,535 | 4,535 | 4,535 | 4,535 | 4,535 | 4,535 |
| IRRIGATION | L TRINITY AQUIFER MEDINA COUNTY | 1,594 | 1,594 | 1,594 | 1,594 | 1,594 | 1,594 |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY | | 9,142 | 9,237 | 9,367 | 9,442 | 9,522 | 9,598 |
| MEDINA COUNTY TOTAL EXISTING SUPPLY | | 39,514 | 39,783 | 40,056 | 40,267 | 40,513 | 40,768 |

Water User Group (WUG) Existing Water Supply

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|--|---|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| REFUGIO COUNTY | | | | | | | |
| SAN ANTONIO BASIN | | | | | | | |
| COUNTY-OTHER | L GULF COAST AQUIFER REFUGIO COUNTY | 12 | 12 | 12 | 12 | 12 | 12 |
| MINING | L GULF COAST AQUIFER REFUGIO COUNTY | 3 | 3 | 3 | 2 | 1 | 1 |
| LIVESTOCK | L GULF COAST AQUIFER REFUGIO COUNTY | 16 | 16 | 16 | 16 | 16 | 16 |
| LIVESTOCK | L SAN ANTONIO LIVESTOCK LOCAL SUPPLY | 16 | 16 | 16 | 16 | 16 | 16 |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY | | 47 | 47 | 47 | 46 | 45 | 45 |
| SAN ANTONIO-NUECES BASIN | | | | | | | |
| REFUGIO | L GULF COAST AQUIFER REFUGIO COUNTY | 1,234 | 1,234 | 1,234 | 1,234 | 1,234 | 1,234 |
| WOODSBORO | L GULF COAST AQUIFER REFUGIO COUNTY | 606 | 606 | 606 | 606 | 606 | 606 |
| COUNTY-OTHER | L GULF COAST AQUIFER REFUGIO COUNTY | 511 | 511 | 511 | 511 | 511 | 511 |
| MINING | L GULF COAST AQUIFER REFUGIO COUNTY | 63 | 66 | 48 | 36 | 23 | 14 |
| LIVESTOCK | L GULF COAST AQUIFER REFUGIO COUNTY | 302 | 302 | 302 | 302 | 302 | 302 |
| LIVESTOCK | L SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY | 302 | 302 | 302 | 302 | 302 | 302 |
| IRRIGATION | L GULF COAST AQUIFER REFUGIO COUNTY | 652 | 652 | 652 | 652 | 652 | 652 |
| SAN ANTONIO-NUECES BASIN TOTAL EXISTING SUPPLY | | 3,670 | 3,673 | 3,655 | 3,643 | 3,630 | 3,621 |
| REFUGIO COUNTY TOTAL EXISTING SUPPLY | | 3,717 | 3,720 | 3,702 | 3,689 | 3,675 | 3,666 |
| UVALDE COUNTY | | | | | | | |
| NUECES BASIN | | | | | | | |
| SABINAL | L EDWARDS-BFZ AQUIFER UVALDE COUNTY | 324 | 324 | 324 | 324 | 324 | 324 |
| UVALDE | L EDWARDS-BFZ AQUIFER UVALDE COUNTY | 3,109 | 3,109 | 3,109 | 3,109 | 3,109 | 3,109 |
| COUNTY-OTHER | L BUDA LIMESTONE AQUIFER UVALDE COUNTY | 525 | 525 | 525 | 525 | 525 | 525 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER UVALDE COUNTY | 1,230 | 828 | 828 | 828 | 828 | 828 |
| COUNTY-OTHER | L EDWARDS-BFZ AQUIFER UVALDE COUNTY | 2,418 | 2,418 | 2,418 | 2,418 | 2,418 | 2,418 |
| COUNTY-OTHER | L LEONA GRAVEL AQUIFER UVALDE COUNTY | 160 | 158 | 183 | 220 | 250 | 250 |
| MANUFACTURING | L EDWARDS-BFZ AQUIFER UVALDE COUNTY | 231 | 231 | 231 | 231 | 231 | 231 |
| MANUFACTURING | L LEONA GRAVEL AQUIFER UVALDE COUNTY | 160 | 158 | 183 | 220 | 250 | 250 |
| MINING | L EDWARDS-BFZ AQUIFER UVALDE COUNTY | 192 | 192 | 192 | 192 | 192 | 192 |
| MINING | L LEONA GRAVEL AQUIFER UVALDE COUNTY | 2,469 | 2,724 | 2,845 | 3,087 | 3,372 | 3,682 |
| LIVESTOCK | L EDWARDS-BFZ AQUIFER UVALDE COUNTY | 180 | 180 | 180 | 180 | 180 | 180 |
| LIVESTOCK | L EDWARDS-TRINITY-PLATEAU AQUIFER UVALDE COUNTY | 161 | 161 | 161 | 161 | 161 | 161 |
| LIVESTOCK | L LEONA GRAVEL AQUIFER UVALDE COUNTY | 135 | 135 | 135 | 135 | 135 | 135 |
| LIVESTOCK | L NUECES LIVESTOCK LOCAL SUPPLY | 516 | 516 | 516 | 516 | 516 | 516 |
| LIVESTOCK | L TRINITY AQUIFER UVALDE COUNTY | 39 | 39 | 39 | 39 | 39 | 39 |
| IRRIGATION | L AUSTIN CHALK AQUIFER UVALDE COUNTY | 1,780 | 1,780 | 1,780 | 1,780 | 1,780 | 1,780 |
| IRRIGATION | L EDWARDS-BFZ AQUIFER UVALDE COUNTY | 25,260 | 25,260 | 25,260 | 25,260 | 25,260 | 25,260 |
| IRRIGATION | L EDWARDS-TRINITY-PLATEAU AQUIFER UVALDE COUNTY | 1,474 | 1,474 | 1,474 | 1,474 | 1,474 | 1,474 |
| IRRIGATION | L LEONA GRAVEL AQUIFER UVALDE COUNTY | 6,205 | 5,948 | 5,856 | 5,645 | 5,378 | 5,068 |
| IRRIGATION | L NUECES RUN-OF-RIVER | 720 | 720 | 720 | 720 | 720 | 720 |
| IRRIGATION | L TRINITY AQUIFER UVALDE COUNTY | 600 | 600 | 600 | 600 | 600 | 600 |
| NUECES BASIN TOTAL EXISTING SUPPLY | | 47,888 | 47,480 | 47,559 | 47,664 | 47,742 | 47,742 |
| UVALDE COUNTY TOTAL EXISTING SUPPLY | | 47,888 | 47,480 | 47,559 | 47,664 | 47,742 | 47,742 |

Water User Group (WUG) Existing Water Supply

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|--|--|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| VICTORIA COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| VICTORIA | L CANYON LAKE/RESERVOIR | 836 | 836 | 836 | 836 | 836 | 836 |
| VICTORIA | L GUADALUPE RUN-OF-RIVER | 410 | 410 | 410 | 410 | 410 | 410 |
| VICTORIA | L GULF COAST AQUIFER VICTORIA COUNTY | 3,616 | 3,616 | 3,615 | 3,616 | 3,615 | 3,616 |
| COUNTY-OTHER | L GULF COAST AQUIFER VICTORIA COUNTY | 2,032 | 2,032 | 2,032 | 2,032 | 2,032 | 2,032 |
| MANUFACTURING | L GUADALUPE RUN-OF-RIVER | 28,027 | 28,027 | 28,027 | 28,027 | 28,027 | 28,027 |
| MANUFACTURING | L GULF COAST AQUIFER VICTORIA COUNTY | 772 | 772 | 772 | 772 | 772 | 772 |
| MINING | L GULF COAST AQUIFER VICTORIA COUNTY | 36 | 38 | 28 | 21 | 14 | 9 |
| STEAM ELECTRIC POWER | L GULF COAST AQUIFER VICTORIA COUNTY | 1,024 | 1,024 | 1,024 | 1,024 | 1,024 | 1,024 |
| LIVESTOCK | L GUADALUPE LIVESTOCK LOCAL SUPPLY | 339 | 339 | 339 | 339 | 339 | 339 |
| LIVESTOCK | L GULF COAST AQUIFER VICTORIA COUNTY | 196 | 196 | 196 | 196 | 196 | 196 |
| IRRIGATION | L GUADALUPE RUN-OF-RIVER | 137 | 137 | 137 | 137 | 137 | 137 |
| IRRIGATION | L GULF COAST AQUIFER VICTORIA COUNTY | 820 | 820 | 820 | 820 | 820 | 820 |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 38,245 | 38,247 | 38,236 | 38,230 | 38,222 | 38,218 |
| LAVACA BASIN | | | | | | | |
| COUNTY-OTHER | L GULF COAST AQUIFER VICTORIA COUNTY | 7 | 7 | 7 | 7 | 7 | 7 |
| LIVESTOCK | L GULF COAST AQUIFER VICTORIA COUNTY | 3 | 3 | 3 | 3 | 3 | 3 |
| LIVESTOCK | L LAVACA LIVESTOCK LOCAL SUPPLY | 2 | 2 | 2 | 2 | 2 | 2 |
| LAVACA BASIN TOTAL EXISTING SUPPLY | | 12 | 12 | 12 | 12 | 12 | 12 |
| LAVACA-GUADALUPE BASIN | | | | | | | |
| VICTORIA | L CANYON LAKE/RESERVOIR | 404 | 404 | 404 | 404 | 404 | 404 |
| VICTORIA | L GUADALUPE RUN-OF-RIVER | 198 | 198 | 198 | 198 | 198 | 198 |
| VICTORIA | L GULF COAST AQUIFER VICTORIA COUNTY | 1,749 | 1,749 | 1,750 | 1,749 | 1,750 | 1,749 |
| COUNTY-OTHER | L GULF COAST AQUIFER VICTORIA COUNTY | 1,425 | 1,425 | 1,425 | 1,425 | 1,425 | 1,425 |
| MINING | L GULF COAST AQUIFER VICTORIA COUNTY | 33 | 34 | 26 | 19 | 12 | 8 |
| LIVESTOCK | L GULF COAST AQUIFER VICTORIA COUNTY | 358 | 358 | 358 | 358 | 358 | 358 |
| LIVESTOCK | L LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | 218 | 218 | 218 | 218 | 218 | 218 |
| IRRIGATION | L GULF COAST AQUIFER VICTORIA COUNTY | 14,993 | 14,993 | 14,993 | 14,993 | 14,993 | 14,993 |
| LAVACA-GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 19,378 | 19,379 | 19,372 | 19,364 | 19,358 | 19,353 |
| SAN ANTONIO BASIN | | | | | | | |
| COUNTY-OTHER | L GULF COAST AQUIFER VICTORIA COUNTY | 10 | 10 | 10 | 10 | 10 | 10 |
| MINING | L GULF COAST AQUIFER VICTORIA COUNTY | 3 | 3 | 2 | 1 | 1 | 1 |
| LIVESTOCK | L GULF COAST AQUIFER VICTORIA COUNTY | 25 | 25 | 25 | 25 | 25 | 25 |
| LIVESTOCK | L SAN ANTONIO LIVESTOCK LOCAL SUPPLY | 24 | 24 | 24 | 24 | 24 | 24 |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY | | 62 | 62 | 61 | 60 | 60 | 60 |
| VICTORIA COUNTY TOTAL EXISTING SUPPLY | | 57,697 | 57,700 | 57,681 | 57,666 | 57,652 | 57,643 |
| WILSON COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| NIXON | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 12 | 11 | 11 | 15 | 15 | 14 |
| SUNKO WSC | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 8 | 8 | 8 | 7 | 8 | 7 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 125 | 125 | 125 | 125 | 125 | 125 |

Water User Group (WUG) Existing Water Supply

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------------|--|--------------------------------------|-------|-------|-------|-------|-------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| WILSON COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| MINING | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 174 | 139 | 105 | 70 | 36 | 18 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 38 | 38 | 38 | 38 | 38 | 38 |
| LIVESTOCK | L GUADALUPE LIVESTOCK LOCAL SUPPLY | 54 | 54 | 54 | 54 | 54 | 54 |
| LIVESTOCK | L QUEEN CITY AQUIFER WILSON COUNTY | 7 | 7 | 7 | 7 | 7 | 7 |
| LIVESTOCK | L SPARTA AQUIFER WILSON COUNTY | 4 | 4 | 4 | 4 | 4 | 4 |
| LIVESTOCK | L YEGUA-JACKSON AQUIFER WILSON COUNTY | 5 | 5 | 5 | 5 | 5 | 5 |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 427 | 391 | 357 | 325 | 292 | 272 |
| NUECES BASIN | | | | | | | |
| MCCOY WSC | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 72 | 76 | 79 | 82 | 84 | 85 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 95 | 95 | 95 | 95 | 95 | 95 |
| MINING | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 174 | 139 | 105 | 70 | 36 | 18 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 26 | 26 | 26 | 26 | 26 | 26 |
| LIVESTOCK | L NUECES LIVESTOCK LOCAL SUPPLY | 54 | 54 | 55 | 55 | 56 | 56 |
| LIVESTOCK | L QUEEN CITY AQUIFER WILSON COUNTY | 5 | 5 | 4 | 4 | 3 | 3 |
| LIVESTOCK | L SPARTA AQUIFER WILSON COUNTY | 10 | 10 | 10 | 10 | 10 | 10 |
| LIVESTOCK | L YEGUA-JACKSON AQUIFER WILSON COUNTY | 13 | 13 | 13 | 13 | 13 | 13 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 4,800 | 4,300 | 3,800 | 3,400 | 3,000 | 2,800 |
| IRRIGATION | L QUEEN CITY AQUIFER WILSON COUNTY | 127 | 112 | 100 | 89 | 80 | 80 |
| IRRIGATION | L YEGUA-JACKSON AQUIFER WILSON COUNTY | 28 | 28 | 28 | 28 | 28 | 28 |
| NUECES BASIN TOTAL EXISTING SUPPLY | | 5,404 | 4,858 | 4,315 | 3,872 | 3,431 | 3,214 |
| SAN ANTONIO BASIN | | | | | | | |
| EL OSO WSC | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 19 | 24 | 29 | 34 | 38 | 41 |
| EL OSO WSC | L GULF COAST AQUIFER KARNES COUNTY | 27 | 32 | 37 | 42 | 45 | 48 |
| ELMENDORF | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 3 | 3 | 4 | 4 | 4 | 5 |
| FLORESVILLE | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 2,336 | 2,336 | 2,336 | 2,336 | 2,336 | 2,336 |
| LA VERNIA | L CANYON LAKE/RESERVOIR | 270 | 270 | 270 | 270 | 270 | 270 |
| LA VERNIA | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 146 | 146 | 146 | 146 | 146 | 146 |
| LA VERNIA | L GUADALUPE RUN-OF-RIVER | 130 | 130 | 130 | 130 | 130 | 130 |
| MCCOY WSC | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 7 | 7 | 7 | 7 | 7 | 7 |
| OAK HILLS WSC | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 1,863 | 1,863 | 1,863 | 1,863 | 1,863 | 1,863 |
| POTH | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 1,303 | 1,303 | 1,303 | 1,303 | 1,303 | 1,303 |
| STOCKDALE | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 1,762 | 1,762 | 1,762 | 1,762 | 1,762 | 1,762 |
| SUNKO WSC | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 1,248 | 1,255 | 1,262 | 1,268 | 1,271 | 1,274 |
| S S WSC | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 3,593 | 3,593 | 3,593 | 3,593 | 3,593 | 3,593 |
| EAST CENTRAL SUD | L CANYON LAKE/RESERVOIR | 80 | 83 | 84 | 83 | 81 | 78 |

Water User Group (WUG) Existing Water Supply

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---|--|--------------------------------------|-----------|-----------|-----------|-----------|-----------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| WILSON COUNTY | | | | | | | |
| SAN ANTONIO BASIN | | | | | | | |
| EAST CENTRAL SUD | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 75 | 81 | 85 | 88 | 90 | 91 |
| EAST CENTRAL SUD | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 31 | 33 | 34 | 35 | 35 | 35 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 2,665 | 2,665 | 2,665 | 2,665 | 2,665 | 2,665 |
| COUNTY-OTHER | L SAN ANTONIO RUN-OF-RIVER | 42 | 42 | 42 | 42 | 42 | 42 |
| MANUFACTURING | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 10 | 10 | 10 | 10 | 10 | 10 |
| MINING | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 1,581 | 1,270 | 955 | 642 | 327 | 168 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 422 | 422 | 422 | 422 | 422 | 422 |
| LIVESTOCK | L QUEEN CITY AQUIFER WILSON COUNTY | 198 | 198 | 198 | 198 | 198 | 198 |
| LIVESTOCK | L SAN ANTONIO LIVESTOCK LOCAL SUPPLY | 759 | 759 | 759 | 759 | 759 | 759 |
| LIVESTOCK | L YEGUA-JACKSON AQUIFER WILSON COUNTY | 142 | 142 | 142 | 142 | 142 | 142 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 8,500 | 7,500 | 6,500 | 5,500 | 4,500 | 3,500 |
| IRRIGATION | L SAN ANTONIO RUN-OF-RIVER | 1,728 | 1,728 | 1,728 | 1,728 | 1,728 | 1,728 |
| IRRIGATION | L YEGUA-JACKSON AQUIFER WILSON COUNTY | 84 | 84 | 84 | 84 | 84 | 84 |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY | | 29,024 | 27,741 | 26,450 | 25,156 | 23,851 | 22,700 |
| WILSON COUNTY TOTAL EXISTING SUPPLY | | 34,855 | 32,990 | 31,122 | 29,353 | 27,574 | 26,186 |
| ZAVALA COUNTY | | | | | | | |
| NUECES BASIN | | | | | | | |
| CRYSTAL CITY | L CARRIZO-WILCOX AQUIFER ZAVALA COUNTY | 3,523 | 3,523 | 3,523 | 3,523 | 3,523 | 3,523 |
| ZAVALA COUNTY WCID #1 | L CARRIZO-WILCOX AQUIFER ZAVALA COUNTY | 1,272 | 1,272 | 1,272 | 1,272 | 1,272 | 1,272 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER ZAVALA COUNTY | 900 | 900 | 900 | 900 | 900 | 900 |
| MANUFACTURING | L CARRIZO-WILCOX AQUIFER ZAVALA COUNTY | 1,434 | 1,434 | 1,434 | 1,434 | 1,434 | 1,434 |
| MINING | L CARRIZO-WILCOX AQUIFER ZAVALA COUNTY | 2,531 | 2,257 | 1,977 | 1,559 | 932 | 557 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER ZAVALA COUNTY | 464 | 464 | 464 | 464 | 464 | 464 |
| LIVESTOCK | L NUECES LIVESTOCK LOCAL SUPPLY | 594 | 594 | 594 | 594 | 594 | 594 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER ZAVALA COUNTY | 25,735 | 25,670 | 25,817 | 26,136 | 26,443 | 26,819 |
| NUECES BASIN TOTAL EXISTING SUPPLY | | 36,453 | 36,114 | 35,981 | 35,882 | 35,562 | 35,563 |
| ZAVALA COUNTY TOTAL EXISTING SUPPLY | | 36,453 | 36,114 | 35,981 | 35,882 | 35,562 | 35,563 |
| | | | | | | | |
| REGION L TOTAL EXISTING SUPPLY | | 1,027,889 | 1,028,407 | 1,027,680 | 1,022,969 | 1,017,842 | 1,015,732 |

WWP Water Demands

| WWP | COUNTY | RIVER BASIN | D2020 | D2030 | D2040 | D2050 | D2060 | D2070 |
|----------------------------------|-----------|------------------|--------|--------|--------|--------|--------|--------|
| CANYON REGIONAL WATER AUTHORITY | BEXAR | SAN ANTONIO | 8973 | 9481 | 9481 | 9920 | 9920 | 10468 |
| CANYON REGIONAL WATER AUTHORITY | CALDWELL | GUADALUPE | 1214 | 1245 | 1297 | 1371 | 1451 | 1532 |
| CANYON REGIONAL WATER AUTHORITY | COMAL | GUADALUPE | 192 | 262 | 262 | 387 | 438 | 584 |
| CANYON REGIONAL WATER AUTHORITY | GUADALUPE | GUADALUPE | 5303 | 6120 | 6120 | 8448 | 8760 | 11607 |
| CANYON REGIONAL WATER AUTHORITY | GUADALUPE | SAN ANTONIO | 7122 | 7529 | 7529 | 9001 | 9001 | 10842 |
| CANYON REGIONAL WATER AUTHORITY | HAYS | GUADALUPE | 1403 | 1539 | 1600 | 1871 | 2155 | 2453 |
| CANYON REGIONAL WATER AUTHORITY | WILSON | SAN ANTONIO | 637 | 724 | 780 | 832 | 883 | 928 |
| CIBOLO VALLEY LGC | BEXAR | SAN ANTONIO | 0 | 0 | 0 | 0 | 89 | 192 |
| CIBOLO VALLEY LGC | COMAL | GUADALUPE | 0 | 0 | 0 | 0 | 201 | 432 |
| CIBOLO VALLEY LGC | COMAL | SAN ANTONIO | 0 | 0 | 0 | 0 | 22 | 48 |
| CIBOLO VALLEY LGC | GUADALUPE | GUADALUPE | 0 | 0 | 0 | 0 | 134 | 288 |
| CIBOLO VALLEY LGC | GUADALUPE | SAN ANTONIO | 0 | 2116 | 3441 | 4740 | 6985 | 9040 |
| GUADALUPE-BLANCO RIVER AUTHORITY | BEXAR | SAN ANTONIO | 2941 | 2941 | 924 | 924 | 924 | 924 |
| GUADALUPE-BLANCO RIVER AUTHORITY | BLANCO | GUADALUPE | 600 | 600 | 600 | 600 | 600 | 600 |
| GUADALUPE-BLANCO RIVER AUTHORITY | CALDWELL | GUADALUPE | 4886 | 4889 | 4892 | 5259 | 5729 | 6378 |
| GUADALUPE-BLANCO RIVER AUTHORITY | CALHOUN | COLORADO-LAVACA | 24355 | 24355 | 24355 | 26811 | 31643 | 35824 |
| GUADALUPE-BLANCO RIVER AUTHORITY | CALHOUN | LAVACA-GUADALUPE | 37145 | 37145 | 37145 | 37145 | 37145 | 37145 |
| GUADALUPE-BLANCO RIVER AUTHORITY | COMAL | GUADALUPE | 20163 | 21213 | 22666 | 24031 | 25659 | 27336 |
| GUADALUPE-BLANCO RIVER AUTHORITY | COMAL | SAN ANTONIO | 459 | 459 | 459 | 459 | 459 | 459 |
| GUADALUPE-BLANCO RIVER AUTHORITY | DEWITT | GUADALUPE | 26 | 26 | 26 | 26 | 26 | 26 |
| GUADALUPE-BLANCO RIVER AUTHORITY | GONZALES | GUADALUPE | 635 | 635 | 635 | 635 | 635 | 635 |
| GUADALUPE-BLANCO RIVER AUTHORITY | GUADALUPE | GUADALUPE | 24040 | 24093 | 24220 | 24513 | 24976 | 25466 |
| GUADALUPE-BLANCO RIVER AUTHORITY | GUADALUPE | SAN ANTONIO | 609 | 609 | 609 | 609 | 609 | 609 |
| GUADALUPE-BLANCO RIVER AUTHORITY | HAYS | GUADALUPE | 24576 | 24592 | 25023 | 26828 | 33094 | 40167 |
| GUADALUPE-BLANCO RIVER AUTHORITY | KENDALL | GUADALUPE | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 |
| GUADALUPE-BLANCO RIVER AUTHORITY | KENDALL | SAN ANTONIO | 4548 | 4548 | 4885 | 5843 | 6832 | 7806 |
| GUADALUPE-BLANCO RIVER AUTHORITY | KERR | GUADALUPE | 0 | 2000 | 2000 | 2000 | 2000 | 2000 |
| GUADALUPE-BLANCO RIVER AUTHORITY | NUECES | NUECES | 0 | 0 | 0 | 0 | 20000 | 20000 |
| GUADALUPE-BLANCO RIVER AUTHORITY | VICTORIA | GUADALUPE | 14557 | 42667 | 52892 | 71838 | 91775 | 94821 |
| GUADALUPE-BLANCO RIVER AUTHORITY | VICTORIA | LAVACA-GUADALUPE | 404 | 404 | 404 | 404 | 404 | 404 |
| HAYS-CALDWELL PUA | CALDWELL | GUADALUPE | 1000 | 2000 | 3000 | 3000 | 3000 | 3000 |
| HAYS-CALDWELL PUA | GUADALUPE | GUADALUPE | 2182 | 2634 | 1634 | 3744 | 3744 | 3744 |
| HAYS-CALDWELL PUA | HAYS | GUADALUPE | 0 | 2015 | 4491 | 7726 | 11385 | 15089 |
| SAN ANTONIO WATER SYSTEM | ATASCOSA | NUECES | 716 | 803 | 885 | 970 | 1055 | 1136 |
| SAN ANTONIO WATER SYSTEM | BEXAR | NUECES | 64 | 80 | 94 | 108 | 122 | 135 |
| SAN ANTONIO WATER SYSTEM | BEXAR | SAN ANTONIO | 339862 | 366925 | 392465 | 421009 | 449613 | 476186 |
| SAN ANTONIO WATER SYSTEM | COMAL | GUADALUPE | 661 | 956 | 1254 | 1558 | 1866 | 2157 |
| SAN ANTONIO WATER SYSTEM | COMAL | SAN ANTONIO | 566 | 821 | 1076 | 1335 | 1600 | 1863 |
| SAN ANTONIO WATER SYSTEM | GUADALUPE | SAN ANTONIO | 34 | 34 | 34 | 34 | 34 | 34 |
| SAN ANTONIO WATER SYSTEM | HAYS | GUADALUPE | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| SAN ANTONIO WATER SYSTEM | MEDINA | SAN ANTONIO | 378 | 552 | 697 | 825 | 943 | 1047 |
| SAN ANTONIO WATER SYSTEM | WILSON | SAN ANTONIO | 59 | 59 | 60 | 60 | 60 | 61 |
| SCHERTZ-SEGUIN LGC | BEXAR | SAN ANTONIO | 8286 | 8366 | 2733 | 2831 | 2911 | 2924 |
| SCHERTZ-SEGUIN LGC | COMAL | GUADALUPE | 343 | 490 | 683 | 909 | 1189 | 1121 |
| SCHERTZ-SEGUIN LGC | COMAL | SAN ANTONIO | 71 | 75 | 81 | 86 | 188 | 182 |
| SCHERTZ-SEGUIN LGC | GUADALUPE | GUADALUPE | 4279 | 5183 | 6033 | 6797 | 7393 | 8038 |
| SCHERTZ-SEGUIN LGC | GUADALUPE | SAN ANTONIO | 6465 | 8329 | 9672 | 11008 | 10320 | 9737 |
| SPRINGS HILL WSC | COMAL | GUADALUPE | 5 | 5 | 5 | 5 | 5 | 5 |
| SPRINGS HILL WSC | GUADALUPE | GUADALUPE | 2250 | 2491 | 2865 | 3453 | 4082 | 4716 |
| SPRINGS HILL WSC | GUADALUPE | SAN ANTONIO | 168 | 193 | 219 | 247 | 278 | 308 |
| SPRINGS HILL WSC | HAYS | GUADALUPE | 14 | 14 | 14 | 14 | 14 | 14 |
| TEXAS WATER ALLIANCE | COMAL | GUADALUPE | 0 | 418 | 1768 | 3141 | 4512 | 5833 |
| TEXAS WATER ALLIANCE | COMAL | SAN ANTONIO | 0 | 103 | 442 | 785 | 1128 | 1458 |
| TEXAS WATER ALLIANCE | HAYS | GUADALUPE | 0 | 0 | 410 | 1605 | 5069 | 8709 |
| TEXAS WATER ALLIANCE | BLANCO | GUADALUPE | 4000 | 4000 | 4000 | 4000 | 4000 | 4000 |

Water User Group (WUG) Needs/Surplus

| REGION L | WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR) | | | | | |
|--------------------------|--|----------|----------|-----------|-----------|-----------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| ATASCOSA COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| BENTON CITY WSC | 533 | 406 | 294 | 185 | 82 | (13) |
| CHARLOTTE | 346 | 304 | 265 | 223 | 182 | 143 |
| JOURDANTON | 1,135 | 1,011 | 896 | 777 | 660 | 550 |
| LYTLE | (134) | (198) | (254) | (310) | (365) | (418) |
| MCCOY WSC | 601 | 490 | 386 | 277 | 168 | 66 |
| PLEASANTON | 1,494 | 1,195 | 918 | 634 | 354 | 92 |
| POTEET | 946 | 895 | 847 | 795 | 740 | 688 |
| SAN ANTONIO WATER SYSTEM | (113) | (276) | (381) | (465) | (548) | (630) |
| COUNTY-OTHER | 469 | 376 | 288 | 193 | 94 | 1 |
| MANUFACTURING | 0 | 0 | 0 | 0 | 0 | 0 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| STEAM ELECTRIC POWER | 3,848 | 2,554 | 2,658 | 1,319 | 983 | 836 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO BASIN | | | | | | |
| BENTON CITY WSC | 66 | 50 | 36 | 23 | 10 | (2) |
| COUNTY-OTHER | 42 | 33 | 26 | 17 | 8 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| BEXAR COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| ATASCOSA RURAL WSC | (64) | (79) | (93) | (107) | (121) | (134) |
| LYTLE | (3) | (6) | (8) | (11) | (13) | (15) |
| COUNTY-OTHER | 1,364 | 755 | 277 | (125) | (411) | (638) |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (1,063) | (1,008) | (956) | (905) | (857) | (814) |
| SAN ANTONIO BASIN | | | | | | |
| ALAMO HEIGHTS | (796) | (848) | (820) | (807) | (805) | (805) |
| ATASCOSA RURAL WSC | (1,103) | (1,367) | (1,615) | (1,863) | (2,097) | (2,314) |
| BALCONES HEIGHTS | 0 | 0 | 0 | 0 | 0 | 0 |
| CASTLE HILLS | 0 | 0 | 0 | 0 | 0 | 0 |
| CHINA GROVE | 0 | 0 | 0 | 0 | 0 | 0 |
| CONVERSE | (903) | (1,111) | (1,297) | (1,272) | (1,265) | (1,264) |
| EAST CENTRAL SUD | 243 | 72 | (87) | (255) | (422) | (577) |
| ELMENDORF | 0 | 0 | 0 | 0 | 0 | 0 |
| FAIR OAKS RANCH | 1,079 | 790 | 581 | 464 | 286 | 133 |
| GREEN VALLEY SUD | (11) | (40) | (66) | (93) | (124) | (154) |
| HELOTES | 0 | 0 | 0 | 0 | 0 | 0 |
| HILL COUNTRY VILLAGE | 0 | 0 | 0 | 0 | 0 | 0 |
| HOLLYWOOD PARK | 0 | 0 | 0 | 0 | 0 | 0 |
| KIRBY | (137) | (207) | (181) | (172) | (169) | (169) |
| LACKLAND AFB | 946 | 987 | 1,019 | 1,038 | 1,041 | 1,041 |
| LEON VALLEY | (97) | (147) | (196) | (254) | (317) | (377) |
| LIVE OAK | 512 | 505 | 532 | 547 | 551 | 551 |
| OLMOS PARK | 0 | 0 | 0 | 0 | 0 | 0 |
| RANDOLPH AFB | 1,903 | 1,891 | 1,879 | 1,868 | 1,858 | 1,849 |
| SAN ANTONIO | (47,661) | (66,591) | (86,297) | (109,901) | (133,319) | (155,087) |
| SAN ANTONIO WATER SYSTEM | (4,440) | (10,652) | (14,484) | (17,452) | (20,353) | (23,038) |

Water User Group (WUG) Needs/Surplus

| REGION L | WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR) | | | | | |
|--------------------------|--|---------|---------|---------|---------|---------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| BEXAR COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| SCHERTZ | 0 | 0 | (35) | (123) | (224) | (329) |
| SELMA | 348 | (7) | (57) | (107) | (157) | (206) |
| SHAVANO PARK | (425) | (555) | (677) | (797) | (909) | (1,013) |
| SOMERSET | 0 | 0 | 0 | 0 | 0 | 0 |
| ST. HEDWIG | 0 | 0 | 0 | 0 | 0 | 0 |
| TERRELL HILLS | 0 | 0 | 0 | 0 | 0 | 0 |
| THE OAKS WSC | 121 | 58 | (1) | (60) | (114) | (165) |
| UNIVERSAL CITY | (416) | (431) | (372) | (339) | (333) | (332) |
| VON ORMY | 70 | 57 | 45 | 32 | 19 | 6 |
| WATER SERVICES INC | 402 | 337 | 274 | 206 | 139 | 78 |
| WINDCREST | (326) | (343) | (361) | (388) | (420) | (451) |
| COUNTY-OTHER | 2,973 | 1,830 | 256 | (1,773) | (3,671) | (5,446) |
| MANUFACTURING | 8,666 | 6,139 | 3,601 | 1,368 | (1,058) | (3,680) |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| STEAM ELECTRIC POWER | 23,685 | 19,399 | 16,625 | 13,545 | 10,125 | 6,374 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (4,053) | (3,617) | (3,198) | (2,798) | (2,414) | (2,077) |
| CALDWELL COUNTY | | | | | | |
| COLORADO BASIN | | | | | | |
| AQUA WSC | 43 | 35 | 26 | 18 | 9 | 0 |
| CREEDMOOR-MAHA WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| MUSTANG RIDGE | 0 | 0 | 0 | 0 | 0 | 0 |
| POLONIA WSC | 118 | 65 | 11 | (45) | (104) | (164) |
| COUNTY-OTHER | 182 | 173 | 163 | 154 | 143 | 133 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 2 | 4 | 6 | 7 | 8 |
| GUADALUPE BASIN | | | | | | |
| AQUA WSC | 242 | 195 | 148 | 99 | 49 | 0 |
| COUNTY LINE WSC | 56 | 19 | (22) | (64) | (104) | (141) |
| CREEDMOOR-MAHA WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| GOFORTH SUD | 0 | 0 | 0 | 0 | 0 | 0 |
| GONZALES COUNTY WSC | 14 | 11 | 4 | (3) | 6 | (3) |
| LOCKHART | (188) | (613) | (1,042) | (1,484) | (1,947) | (2,402) |
| LULING | 133 | (41) | (217) | (400) | (594) | (784) |
| MARTINDALE | 3 | (31) | (66) | (102) | (140) | (177) |
| MAXWELL WSC | 624 | 578 | 519 | 448 | 368 | 286 |
| MUSTANG RIDGE | 0 | 0 | 0 | 0 | 0 | 0 |
| NIEDERWALD | (13) | (16) | (20) | (23) | (26) | (29) |
| POLONIA WSC | 262 | 146 | 26 | (101) | (237) | (377) |
| SAN MARCOS | 1 | 0 | (1) | (1) | (2) | (3) |
| UHLAND | 0 | 0 | 0 | 0 | 0 | 0 |
| COUNTY-OTHER | 1,108 | 986 | 862 | 732 | 596 | 462 |
| MANUFACTURING | 5 | 4 | 3 | 2 | 1 | 0 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 34 | 101 | 160 | 213 | 261 | 294 |

Water User Group (WUG) Needs/Surplus

| REGION L | WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR) | | | | | |
|-----------------------------------|--|----------|---------|---------|---------|----------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| CALHOUN COUNTY | | | | | | |
| COLORADO-LAVACA BASIN | | | | | | |
| POINT COMFORT | 91 | 86 | 79 | 71 | 63 | 54 |
| COUNTY-OTHER | 76 | 69 | 59 | 50 | 41 | 31 |
| MANUFACTURING | 5,746 | 3,338 | 951 | (1,156) | (3,813) | (6,113) |
| MINING | 2 | 0 | 8 | 13 | 19 | 22 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (564) | (482) | (427) | (388) | (351) | (313) |
| GUADALUPE BASIN | | | | | | |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| LAVACA-GUADALUPE BASIN | | | | | | |
| CALHOUN COUNTY WS | 1,144 | 1,124 | 1,102 | 1,075 | 1,043 | 1,010 |
| PORT LAVACA | 2,553 | 2,400 | 2,243 | 2,072 | 1,882 | 1,694 |
| PORT O'CONNOR MUD | 1,210 | 1,204 | 1,197 | 1,188 | 1,178 | 1,168 |
| SEADRIFT | 472 | 450 | 428 | 404 | 379 | 354 |
| COUNTY-OTHER | 90 | 80 | 65 | 51 | 36 | 23 |
| MANUFACTURING | 4,642 | 2,672 | 719 | (1,005) | (3,180) | (5,061) |
| MINING | 1 | 0 | 6 | 12 | 17 | 21 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (11,697) | (10,243) | (9,258) | (8,552) | (7,894) | (7,206) |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| COUNTY-OTHER | 15 | 14 | 13 | 12 | 11 | 10 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (12) | (11) | (10) | (9) | (9) | (8) |
| COMAL COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| BULVERDE | 0 | 0 | 0 | 0 | 0 | 0 |
| CANYON LAKE WATER SERVICE COMPANY | 796 | (541) | (1,913) | (3,298) | (4,680) | (6,009) |
| CRYSTAL CLEAR WSC | 40 | (5) | (54) | (103) | (156) | (207) |
| GARDEN RIDGE | (653) | (1,021) | (1,398) | (1,780) | (2,161) | (2,528) |
| GREEN VALLEY SUD | (2) | (4) | (9) | (14) | (21) | (26) |
| NEW BRAUNFELS | 2,069 | (661) | (3,515) | (6,452) | (9,435) | (12,329) |
| SAN ANTONIO WATER SYSTEM | (104) | (329) | (540) | (749) | (972) | (1,194) |
| SCHERTZ | 0 | 0 | (56) | (221) | (452) | (718) |
| COUNTY-OTHER | 722 | 754 | 822 | 851 | 918 | 965 |
| MANUFACTURING | (4,089) | (4,832) | (5,556) | (6,176) | (7,049) | (7,993) |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 493 | 528 | 563 | 598 | 632 | 652 |
| SAN ANTONIO BASIN | | | | | | |
| BULVERDE | 0 | 0 | 0 | 0 | 0 | 0 |
| CANYON LAKE WATER SERVICE COMPANY | 190 | (130) | (460) | (797) | (1,134) | (1,459) |
| FAIR OAKS RANCH | 88 | 71 | 56 | 50 | 33 | 16 |
| GARDEN RIDGE | (370) | (578) | (790) | (1,006) | (1,222) | (1,429) |
| SAN ANTONIO WATER SYSTEM | (89) | (283) | (463) | (639) | (833) | (1,030) |
| SCHERTZ | 0 | 0 | (2) | (5) | (11) | (18) |
| SELMA | 2 | (1) | 0 | (1) | (1) | (1) |
| COUNTY-OTHER | 92 | 69 | 33 | 24 | 2 | 6 |
| MANUFACTURING | (41) | (49) | (56) | (63) | (71) | (81) |

Water User Group (WUG) Needs/Surplus

| REGION L | WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR) | | | | | |
|-------------------------------|--|---------|---------|---------|---------|---------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| COMAL COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 3 | 7 | 11 | 15 | 18 | 21 |
| DEWITT COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| CUERO | 1,847 | 1,813 | 1,810 | 1,794 | 2,100 | 2,087 |
| GONZALES COUNTY WSC | 27 | 17 | 7 | (3) | 6 | (2) |
| YORKTOWN | 525 | 524 | 526 | 523 | 584 | 582 |
| COUNTY-OTHER | 45 | 46 | 58 | 59 | 214 | 208 |
| MANUFACTURING | 125 | 103 | 82 | 64 | 34 | 1 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| LAVACA BASIN | | | | | | |
| YOAKUM | 3 | 0 | 3 | 2 | 56 | 54 |
| COUNTY-OTHER | 3 | 5 | 15 | 24 | 52 | 51 |
| MANUFACTURING | 94 | 83 | 80 | 82 | 64 | 43 |
| MINING | (44) | (38) | (16) | (2) | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (74) | (68) | (39) | (6) | 0 | 0 |
| LAVACA-GUADALUPE BASIN | | | | | | |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO BASIN | | | | | | |
| COUNTY-OTHER | 1 | 1 | 2 | 2 | 14 | 13 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| DIMMIT COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| ASHERTON | (28) | (46) | (61) | (77) | 33 | 26 |
| BIG WELLS | 77 | 70 | 66 | 59 | 113 | 110 |
| CARRIZO SPRINGS | (267) | (399) | (476) | (578) | 147 | 100 |
| COUNTY-OTHER | (296) | (325) | (338) | (360) | (170) | (183) |
| MINING | (4,172) | (4,243) | (3,667) | (2,355) | (1,047) | (438) |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (2,695) | (2,643) | (2,443) | (2,238) | (2,041) | (1,907) |
| RIO GRANDE BASIN | | | | | | |
| COUNTY-OTHER | (1) | (1) | (2) | (2) | (1) | (1) |
| MINING | (654) | (665) | (577) | (376) | (175) | (81) |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (677) | (669) | (639) | (608) | (579) | (559) |
| FRIO COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| BENTON CITY WSC | 38 | 27 | 19 | 12 | 5 | (1) |
| DILLEY | 1,082 | 997 | 922 | 844 | 770 | 702 |

Water User Group (WUG) Needs/Surplus

| REGION L | WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------|--|-------|-------|---------|---------|---------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| FRIO COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| PEARSALL | 710 | 550 | 408 | 259 | 115 | (19) |
| COUNTY-OTHER | 492 | 461 | 418 | 377 | 340 | 305 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| STEAM ELECTRIC POWER | 0 | 138 | 157 | 397 | 366 | 392 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| GOLIAD COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| COUNTY-OTHER | 87 | 42 | 14 | 4 | 153 | 148 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| STEAM ELECTRIC POWER | 9,880 | 9,880 | 9,880 | 9,880 | 9,880 | 9,880 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 167 | 167 | 167 | 167 | 167 | 167 |
| SAN ANTONIO BASIN | | | | | | |
| GOLIAD | 193 | 130 | 91 | 75 | 260 | 253 |
| COUNTY-OTHER | 70 | 33 | 9 | 1 | 126 | 121 |
| MANUFACTURING | 88 | 71 | 54 | 37 | 20 | 0 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 808 | 808 | 808 | 808 | 808 | 808 |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| COUNTY-OTHER | 20 | 9 | 3 | 1 | 33 | 33 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| GONZALES COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| GONZALES | 385 | 210 | 40 | (174) | (92) | (310) |
| GONZALES COUNTY WSC | 482 | 314 | 125 | (68) | 130 | (57) |
| NIXON | 2,199 | 2,171 | 2,142 | 2,100 | 2,091 | 2,048 |
| SMILEY | 89 | 79 | 69 | 55 | 61 | 48 |
| WAELDER | 373 | 356 | 339 | 318 | 327 | 305 |
| COUNTY-OTHER | 137 | 119 | 85 | 45 | 76 | 37 |
| MANUFACTURING | 716 | 593 | 473 | 367 | 224 | 71 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 1,190 | 1,523 | 1,811 | 2,058 | 2,270 | 2,410 |
| LAVACA BASIN | | | | | | |
| COUNTY-OTHER | 13 | 12 | 10 | 9 | 9 | 8 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| CRYSTAL CLEAR WSC | 217 | (32) | (310) | (613) | (937) | (1,265) |
| GONZALES COUNTY WSC | 8 | 5 | 2 | (1) | 2 | (1) |
| GREEN VALLEY SUD | (39) | (146) | (265) | (398) | (549) | (700) |
| LULING | 1 | 0 | (1) | (2) | (2) | (3) |
| NEW BRAUNFELS | 422 | (130) | (672) | (1,206) | (1,740) | (2,251) |

Water User Group (WUG) Needs/Surplus

| REGION L | WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR) | | | | | |
|--------------------------|--|---------|---------|---------|---------|----------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| GUADALUPE COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| SANTA CLARA | 6 | 3 | 0 | (2) | (5) | (8) |
| SCHERTZ | 0 | 0 | (70) | (226) | (389) | (545) |
| SEGUIN | 0 | 0 | 0 | 0 | 0 | 0 |
| SPRINGS HILL WSC | 3,272 | 3,017 | 2,613 | 1,958 | 1,259 | 555 |
| COUNTY-OTHER | 1,506 | 1,648 | 1,532 | 1,490 | 1,453 | 1,417 |
| MANUFACTURING | 662 | 366 | 82 | (163) | (493) | (851) |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| STEAM ELECTRIC POWER | 7,808 | 8,851 | 8,656 | 8,207 | 6,277 | 5,421 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 548 | 587 | 624 | 635 | 637 | 654 |
| SAN ANTONIO BASIN | | | | | | |
| CIBOLO | (1,417) | (3,897) | (5,222) | (6,521) | (7,847) | (9,149) |
| EAST CENTRAL SUD | 17 | 6 | (8) | (21) | (39) | (56) |
| GREEN VALLEY SUD | (30) | (107) | (193) | (291) | (401) | (511) |
| MARION | 168 | 143 | 116 | 87 | 57 | 27 |
| NEW BERLIN | 0 | 0 | 0 | 0 | 0 | 0 |
| SANTA CLARA | 33 | 19 | 3 | (13) | (30) | (47) |
| SCHERTZ | 0 | 0 | (872) | (2,835) | (4,867) | (6,828) |
| SELMA | 166 | (8) | (47) | (83) | (112) | (138) |
| SPRINGS HILL WSC | 440 | 408 | 353 | 265 | 170 | 74 |
| WATER SERVICES INC | 24 | 22 | 19 | 15 | 11 | 6 |
| COUNTY-OTHER | 377 | 342 | 293 | 274 | 257 | 242 |
| MANUFACTURING | 2 | 1 | 0 | 0 | (1) | (3) |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 1 | 9 | 17 | 20 | 20 | 24 |
| HAYS COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| BUDA | 0 | 0 | 0 | 0 | 0 | 0 |
| COUNTY LINE WSC | 122 | 45 | (56) | (187) | (336) | (500) |
| CREEDMOOR-MAHA WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| CRYSTAL CLEAR WSC | 84 | (13) | (118) | (243) | (388) | (551) |
| GOFORTH SUD | 2,763 | 2,340 | 1,810 | 1,133 | 358 | (525) |
| KYLE | 1,176 | (1,348) | (2,801) | (2,787) | (2,776) | (2,783) |
| MAXWELL WSC | 176 | 144 | 120 | 101 | 83 | 64 |
| MOUNTAIN CITY | 4 | (1) | (7) | (17) | (29) | (42) |
| NIEDERWALD | (49) | (65) | (85) | (111) | (140) | (174) |
| PLUM CREEK WATER COMPANY | 248 | (185) | (184) | (185) | (184) | (184) |
| SAN MARCOS | 1,867 | (140) | (2,629) | (5,685) | (9,405) | (13,855) |
| UHLAND | 0 | 0 | 0 | 0 | 0 | 0 |
| WIMBERLEY | 218 | 44 | (174) | (456) | (778) | (1,146) |
| WIMBERLEY WSC | 233 | 26 | (236) | (564) | (934) | (1,356) |
| WOODCREEK | 716 | 687 | 649 | 599 | 540 | 473 |
| COUNTY-OTHER | 3,101 | 2,881 | 601 | (1,109) | (6,654) | (12,812) |
| MANUFACTURING | 573 | 558 | 542 | 528 | 515 | 501 |
| STEAM ELECTRIC POWER | 4,646 | 4,411 | 3,394 | 2,668 | 1,688 | 353 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |

Water User Group (WUG) Needs/Surplus

| REGION L | WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------|--|---------|-------|-------|---------|---------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| HAYS COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| IRRIGATION | 88 | 94 | 100 | 106 | 112 | 118 |
| KARNES COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| EL OSO WSC | 2 | 2 | 2 | 2 | 2 | 3 |
| COUNTY-OTHER | 14 | 14 | 14 | 14 | 15 | 15 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 3 | 5 | 8 | 10 | 12 | 13 |
| NUECES BASIN | | | | | | |
| EL OSO WSC | 4 | 4 | 4 | 4 | 4 | 4 |
| COUNTY-OTHER | 9 | 9 | 9 | 9 | 9 | 9 |
| MINING | (217) | (156) | (94) | (35) | 24 | 26 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 4 | 7 | 11 | 14 | 16 |
| SAN ANTONIO BASIN | | | | | | |
| EL OSO WSC | 109 | 112 | 124 | 129 | 142 | 135 |
| FALLS CITY | 73 | 85 | 97 | 103 | 111 | 111 |
| KARNES CITY | (336) | (322) | (298) | (285) | (249) | (249) |
| KENEDY | (161) | (189) | (179) | (178) | (151) | (151) |
| RUNGE | 43 | 41 | 45 | 46 | 47 | 47 |
| SUNKO WSC | 20 | 12 | 5 | 2 | 0 | (2) |
| COUNTY-OTHER | 9 | 2 | 8 | 11 | 23 | 23 |
| MANUFACTURING | 58 | 53 | 49 | 46 | 28 | 17 |
| MINING | (1,572) | (1,085) | (580) | (80) | 17 | 29 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 187 | 241 | 291 | 335 | 375 | 406 |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| EL OSO WSC | 0 | 1 | 1 | 1 | 1 | 1 |
| COUNTY-OTHER | 14 | 14 | 14 | 14 | 14 | 14 |
| MINING | (75) | (51) | (26) | 0 | 9 | 1 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 2 | 3 | 4 | 5 | 6 |
| KENDALL COUNTY | | | | | | |
| COLORADO BASIN | | | | | | |
| COUNTY-OTHER | 47 | 40 | 31 | 22 | 13 | 3 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE BASIN | | | | | | |
| KENDALL COUNTY WCID #1 | 472 | 434 | 391 | 345 | 294 | 244 |
| COUNTY-OTHER | 2,327 | 1,989 | 1,625 | 1,252 | 856 | 464 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 55 | 61 | 68 | 73 | 78 | 84 |
| SAN ANTONIO BASIN | | | | | | |
| BOERNE | 2,159 | 1,265 | 308 | (650) | (1,639) | (2,613) |
| FAIR OAKS RANCH | 540 | 512 | 459 | 426 | 298 | 153 |
| WATER SERVICES INC | 28 | 25 | 23 | 18 | 13 | 8 |
| COUNTY-OTHER | 383 | 341 | 272 | 168 | 84 | 1 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |

Water User Group (WUG) Needs/Surplus

| REGION L | WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------|--|----------|----------|----------|----------|----------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| KENDALL COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| IRRIGATION | 30 | 32 | 33 | 35 | 36 | 37 |
| LA SALLE COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| COTULLA | 132 | (16) | (155) | (323) | 320 | 223 |
| ENCINAL | 55 | 40 | 25 | 5 | 77 | 67 |
| COUNTY-OTHER | (22) | (56) | (90) | (133) | 42 | 16 |
| MINING | (4,088) | (4,243) | (3,734) | (2,290) | (851) | (147) |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 143 | 282 | 416 | 546 | 665 |
| MEDINA COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| BENTON CITY WSC | 338 | 267 | 196 | 124 | 55 | (9) |
| DEVINE | 88 | 77 | 68 | 54 | 36 | 19 |
| EAST MEDINA COUNTY SUD | 235 | 168 | 107 | 50 | (10) | (64) |
| HONDO | (523) | (680) | (816) | (943) | (1,068) | (1,180) |
| LYTLE | (34) | (53) | (71) | (88) | (106) | (121) |
| NATALIA | (101) | (129) | (153) | (176) | (199) | (220) |
| YANCEY WSC | (6) | (19) | (30) | (41) | (51) | (61) |
| COUNTY-OTHER | 500 | 472 | 403 | 344 | 289 | 246 |
| MANUFACTURING | 1,898 | 1,895 | 1,891 | 1,888 | 1,884 | 1,879 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (29,816) | (27,758) | (25,779) | (23,882) | (22,065) | (20,461) |
| SAN ANTONIO BASIN | | | | | | |
| CASTROVILLE | (224) | (217) | (210) | (208) | (211) | (214) |
| EAST MEDINA COUNTY SUD | 22 | 15 | 10 | 4 | (1) | (6) |
| LACOSTE | (10) | (20) | (28) | (37) | (47) | (56) |
| SAN ANTONIO | (3) | (4) | (5) | (8) | (9) | (12) |
| SAN ANTONIO WATER SYSTEM | (58) | (185) | (293) | (386) | (479) | (565) |
| YANCEY WSC | (22) | (76) | (124) | (167) | (210) | (248) |
| COUNTY-OTHER | 764 | 736 | 757 | 766 | 768 | 762 |
| MANUFACTURING | 8 | 7 | 7 | 6 | 5 | 5 |
| MINING | 0 | 0 | 50 | 50 | 50 | 50 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (1,713) | (1,386) | (1,071) | (771) | (482) | (228) |
| REFUGIO COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| COUNTY-OTHER | 1 | 1 | 2 | 2 | 4 | 4 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| REFUGIO | 431 | 426 | 437 | 429 | 656 | 654 |
| WOODSBORO | 245 | 245 | 252 | 246 | 348 | 347 |
| COUNTY-OTHER | 4 | 10 | 23 | 21 | 160 | 159 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |

Water User Group (WUG) Needs/Surplus

| REGION L | WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR) | | | | | |
|-------------------------------|--|----------|----------|----------|----------|----------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| UVALDE COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| SABINAL | (121) | (153) | (181) | (212) | (245) | (277) |
| UVALDE | (943) | (1,233) | (1,484) | (1,772) | (2,072) | (2,365) |
| COUNTY-OTHER | 2,938 | 2,453 | 2,408 | 2,356 | 2,287 | 2,190 |
| MANUFACTURING | 102 | 89 | 103 | 130 | 139 | 117 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (29,683) | (27,370) | (24,992) | (22,831) | (20,818) | (19,102) |
| VICTORIA COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| VICTORIA | (6,670) | (7,247) | (7,694) | (8,145) | (8,571) | (8,935) |
| COUNTY-OTHER | 230 | 187 | 157 | 111 | 56 | 6 |
| MANUFACTURING | (2,178) | (5,016) | (7,841) | (10,366) | (13,206) | (16,252) |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| STEAM ELECTRIC POWER | (4,506) | (29,778) | (37,178) | (53,599) | (70,696) | (70,696) |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (1,589) | (1,589) | (1,589) | (1,589) | (1,589) | (1,589) |
| LAVACA BASIN | | | | | | |
| COUNTY-OTHER | 2 | 2 | 2 | 2 | 2 | 2 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| LAVACA-GUADALUPE BASIN | | | | | | |
| VICTORIA | (3,227) | (3,506) | (3,722) | (3,941) | (4,146) | (4,323) |
| COUNTY-OTHER | 191 | 161 | 138 | 107 | 68 | 33 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (3,676) | (3,676) | (3,676) | (3,676) | (3,676) | (3,676) |
| SAN ANTONIO BASIN | | | | | | |
| COUNTY-OTHER | 1 | 1 | 1 | 1 | 0 | 0 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| WILSON COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| NIXON | 10 | 9 | 9 | 12 | 12 | 11 |
| SUNKO WSC | 3 | 2 | 1 | 0 | 0 | (1) |
| COUNTY-OTHER | 85 | 76 | 68 | 61 | 54 | 47 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| NUECES BASIN | | | | | | |
| MCCOY WSC | 29 | 25 | 20 | 15 | 9 | 4 |
| COUNTY-OTHER | 45 | 36 | 26 | 17 | 8 | 0 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 71 | 97 | 63 | 72 | 27 | 98 |
| SAN ANTONIO BASIN | | | | | | |
| EAST CENTRAL SUD | 29 | 10 | (12) | (36) | (64) | (91) |
| EL OSO WSC | 7 | 9 | 12 | 15 | 18 | 18 |
| ELMENDORF | 0 | 0 | 0 | 0 | 0 | 0 |
| FLORESVILLE | 396 | (8) | (405) | (770) | (1,124) | (1,445) |

Water User Group (WUG) Needs/Surplus

| REGION L | WUG (NEEDS)/SURPLUS (ACRE-FEET PER YEAR) | | | | | |
|--------------------------|--|----------|----------|----------|----------|---------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| WILSON COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| LA VERNIA | 269 | 211 | 155 | 103 | 52 | 7 |
| MCCOY WSC | 3 | 2 | 2 | 1 | 1 | 0 |
| OAK HILLS WSC | 959 | 773 | 588 | 419 | 255 | 106 |
| POTH | 916 | 841 | 766 | 696 | 627 | 565 |
| S S WSC | 1,607 | 1,209 | 811 | 446 | 90 | (234) |
| STOCKDALE | 1,378 | 1,300 | 1,223 | 1,152 | 1,083 | 1,020 |
| SUNKO WSC | 465 | 320 | 162 | 52 | 1 | (114) |
| COUNTY-OTHER | 1,304 | 1,022 | 740 | 482 | 230 | 2 |
| MANUFACTURING | 0 | 0 | 0 | 0 | 0 | 0 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 3,014 | 2,824 | 2,537 | 2,165 | 1,708 | 1,113 |
| ZAVALA COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| CRYSTAL CITY | 1,821 | 1,665 | 1,523 | 1,363 | 1,211 | 1,068 |
| ZAVALA COUNTY WCID #1 | 795 | 747 | 705 | 659 | 616 | 575 |
| COUNTY-OTHER | 328 | 282 | 228 | 173 | 122 | 74 |
| MANUFACTURING | 488 | 447 | 408 | 376 | 310 | 240 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (18,487) | (16,805) | (14,980) | (13,049) | (11,193) | (9,443) |

Water User Group (WUG) Second-Tier Identified Water Need

| REGION L | WUG SECOND-TIER NEEDS (ACRE-FEET PER YEAR) | | | | | |
|--------------------------|--|--------|--------|--------|--------|--------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| ATASCOSA COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| BENTON CITY WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| CHARLOTTE | 0 | 0 | 0 | 0 | 0 | 0 |
| JOURDANTON | 0 | 0 | 0 | 0 | 0 | 0 |
| LYTLE | 113 | 145 | 163 | 201 | 233 | 262 |
| MCCOY WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| PLEASANTON | 0 | 0 | 0 | 0 | 0 | 0 |
| POTEET | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | 113 | 276 | 381 | 465 | 548 | 615 |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| MANUFACTURING | 0 | 0 | 0 | 0 | 0 | 0 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| STEAM ELECTRIC POWER | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO BASIN | | | | | | |
| BENTON CITY WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| BEXAR COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| ATASCOSA RURAL WSC | 60 | 79 | 93 | 107 | 121 | 131 |
| LYTLE | 3 | 4 | 5 | 7 | 9 | 9 |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 45 | 206 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 1,063 | 1,008 | 956 | 905 | 857 | 814 |
| SAN ANTONIO BASIN | | | | | | |
| ALAMO HEIGHTS | 581 | 568 | 378 | 206 | 50 | 0 |
| ATASCOSA RURAL WSC | 1,027 | 1,367 | 1,615 | 1,863 | 2,097 | 2,262 |
| BALCONES HEIGHTS | 0 | 0 | 0 | 0 | 0 | 0 |
| CASTLE HILLS | 0 | 0 | 0 | 0 | 0 | 0 |
| CHINA GROVE | 0 | 0 | 0 | 0 | 0 | 0 |
| CONVERSE | 776 | 1,111 | 1,297 | 1,272 | 1,265 | 1,255 |
| EAST CENTRAL SUD | 0 | 0 | 87 | 255 | 422 | 577 |
| ELMENDORF | 0 | 0 | 0 | 0 | 0 | 0 |
| FAIR OAKS RANCH | 0 | 0 | 0 | 0 | 0 | 0 |
| GREEN VALLEY SUD | 0 | 40 | 66 | 50 | 124 | 0 |
| HELOTES | 0 | 0 | 0 | 0 | 0 | 0 |
| HILL COUNTRY VILLAGE | 0 | 0 | 0 | 0 | 0 | 0 |
| HOLLYWOOD PARK | 0 | 0 | 0 | 0 | 0 | 0 |
| KIRBY | 90 | 207 | 181 | 172 | 169 | 169 |
| LACKLAND AFB | 0 | 0 | 0 | 0 | 0 | 0 |
| LEON VALLEY | 0 | 11 | 47 | 72 | 81 | 83 |
| LIVE OAK | 0 | 0 | 0 | 0 | 0 | 0 |
| OLMOS PARK | 0 | 0 | 0 | 0 | 0 | 0 |
| RANDOLPH AFB | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO | 13,098 | 12,444 | 18,863 | 20,360 | 14,614 | 7,496 |
| SAN ANTONIO WATER SYSTEM | 4,440 | 10,652 | 14,484 | 17,452 | 20,353 | 22,445 |
| SCHERTZ | 0 | 0 | 14 | 90 | 171 | 254 |

Water User Group (WUG) Second-Tier Identified Water Need

| REGION L | WUG SECOND-TIER NEEDS (ACRE-FEET PER YEAR) | | | | | |
|--------------------------|--|-------|-------|-------|-------|-------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| BEXAR COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| SELMA | 0 | 0 | 0 | 0 | 16 | 30 |
| SHAVANO PARK | 303 | 381 | 381 | 368 | 342 | 304 |
| SOMERSET | 0 | 0 | 0 | 0 | 0 | 0 |
| ST. HEDWIG | 0 | 0 | 0 | 0 | 0 | 0 |
| TERRELL HILLS | 0 | 0 | 0 | 0 | 0 | 0 |
| THE OAKS WSC | 0 | 0 | 0 | 0 | 24 | 54 |
| UNIVERSAL CITY | 256 | 431 | 372 | 339 | 264 | 189 |
| VON ORMY | 0 | 0 | 0 | 0 | 0 | 0 |
| WATER SERVICES INC | 0 | 0 | 0 | 0 | 0 | 0 |
| WINDCREST | 215 | 204 | 133 | 79 | 80 | 79 |
| COUNTY-OTHER | 0 | 0 | 0 | 269 | 1,618 | 2,790 |
| MANUFACTURING | 0 | 0 | 0 | 0 | 0 | 0 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| STEAM ELECTRIC POWER | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 4,053 | 3,617 | 3,198 | 2,798 | 2,414 | 2,077 |
| CALDWELL COUNTY | | | | | | |
| COLORADO BASIN | | | | | | |
| AQUA WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| CREEDMOOR-MAHA WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| MUSTANG RIDGE | 0 | 0 | 0 | 0 | 0 | 0 |
| POLONIA WSC | 0 | 0 | 0 | 45 | 104 | 164 |
| 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 |
| GUADALUPE BASIN | | | | | | |
| AQUA WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| COUNTY LINE WSC | 0 | 0 | 0 | 51 | 92 | 130 |
| CREEDMOOR-MAHA WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| GOFORTH SUD | 0 | 0 | 0 | 0 | 0 | 0 |
| GONZALES COUNTY WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| LOCKHART | 75 | 613 | 1,042 | 1,484 | 1,947 | 2,330 |
| LULING | 0 | 41 | 217 | 400 | 594 | 781 |
| MARTINDALE | 0 | 31 | 66 | 102 | 140 | 176 |
| MAXWELL WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| MUSTANG RIDGE | 0 | 0 | 0 | 0 | 0 | 0 |
| NIEDERWALD | 12 | 16 | 20 | 23 | 26 | 29 |
| POLONIA WSC | 0 | 0 | 0 | 101 | 237 | 377 |
| SAN MARCOS | 0 | 0 | 0 | 0 | 0 | 0 |
| UHLAND | 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 | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |

Water User Group (WUG) Second-Tier Identified Water Need

| REGION L | WUG SECOND-TIER NEEDS (ACRE-FEET PER YEAR) | | | | | |
|-----------------------------------|--|--------|-------|-------|-------|-------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| CALHOUN COUNTY | | | | | | |
| COLORADO-LAVACA BASIN | | | | | | |
| POINT COMFORT | 0 | 0 | 0 | 0 | 0 | 0 |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| MANUFACTURING | 0 | 0 | 0 | 1,156 | 3,813 | 6,113 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 564 | 482 | 427 | 388 | 351 | 313 |
| GUADALUPE BASIN | | | | | | |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| LAVACA-GUADALUPE BASIN | | | | | | |
| CALHOUN COUNTY WS | 0 | 0 | 0 | 0 | 0 | 0 |
| PORT LAVACA | 0 | 0 | 0 | 0 | 0 | 0 |
| PORT O'CONNOR MUD | 0 | 0 | 0 | 0 | 0 | 0 |
| SEADRIFT | 0 | 0 | 0 | 0 | 0 | 0 |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| MANUFACTURING | 0 | 0 | 0 | 1,005 | 3,180 | 5,061 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 11,697 | 10,243 | 9,258 | 8,552 | 7,894 | 7,206 |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 12 | 11 | 10 | 9 | 9 | 8 |
| COMAL COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| BULVERDE | 0 | 0 | 0 | 0 | 0 | 0 |
| CANYON LAKE WATER SERVICE COMPANY | 0 | 541 | 1,913 | 3,239 | 4,427 | 5,505 |
| CRYSTAL CLEAR WSC | 0 | 5 | 54 | 103 | 156 | 198 |
| GARDEN RIDGE | 535 | 817 | 999 | 1,136 | 1,233 | 1,288 |
| GREEN VALLEY SUD | 1 | 4 | 9 | 8 | 21 | 0 |
| NEW BRAUNFELS | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | 104 | 329 | 540 | 749 | 972 | 1,163 |
| SCHERTZ | 0 | 0 | 23 | 159 | 345 | 553 |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| MANUFACTURING | 4,089 | 4,832 | 5,556 | 6,176 | 7,049 | 7,993 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO BASIN | | | | | | |
| BULVERDE | 0 | 0 | 0 | 0 | 0 | 0 |
| CANYON LAKE WATER SERVICE COMPANY | 0 | 130 | 460 | 782 | 1,071 | 1,334 |
| FAIR OAKS RANCH | 0 | 0 | 0 | 0 | 0 | 0 |
| GARDEN RIDGE | 304 | 463 | 564 | 642 | 697 | 728 |
| SAN ANTONIO WATER SYSTEM | 89 | 283 | 463 | 639 | 833 | 1,003 |
| SCHERTZ | 0 | 0 | 1 | 3 | 8 | 14 |
| SELMA | 0 | 1 | 0 | 0 | 0 | 0 |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| MANUFACTURING | 41 | 49 | 56 | 63 | 71 | 81 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |

Water User Group (WUG) Second-Tier Identified Water Need

| REGION L | WUG SECOND-TIER NEEDS (ACRE-FEET PER YEAR) | | | | | |
|-------------------------------|--|-------|-------|-------|-------|-------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| COMAL COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| DEWITT COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| CUERO | 0 | 0 | 0 | 0 | 0 | 0 |
| GONZALES COUNTY WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| YORKTOWN | 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 | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| LAVACA BASIN | | | | | | |
| YOAKUM | 0 | 0 | 0 | 0 | 0 | 0 |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| MANUFACTURING | 0 | 0 | 0 | 0 | 0 | 0 |
| MINING | 44 | 38 | 16 | 2 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 74 | 68 | 39 | 6 | 0 | 0 |
| LAVACA-GUADALUPE BASIN | | | | | | |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO 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 |
| DIMMIT COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| ASHERTON | 0 | 0 | 0 | 0 | 0 | 0 |
| BIG WELLS | 0 | 0 | 0 | 0 | 0 | 0 |
| CARRIZO SPRINGS | 0 | 0 | 0 | 0 | 0 | 0 |
| COUNTY-OTHER | 188 | 227 | 262 | 296 | 170 | 178 |
| MINING | 4,172 | 4,243 | 3,667 | 2,355 | 1,047 | 438 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 2,695 | 2,643 | 2,443 | 2,238 | 2,041 | 1,907 |
| RIO GRANDE BASIN | | | | | | |
| COUNTY-OTHER | 0 | 0 | 1 | 2 | 1 | 1 |
| MINING | 654 | 665 | 577 | 376 | 175 | 81 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 677 | 669 | 639 | 608 | 579 | 559 |
| FRIO COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| BENTON CITY WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| DILLEY | 0 | 0 | 0 | 0 | 0 | 0 |
| PEARSALL | 0 | 0 | 0 | 0 | 0 | 0 |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |

Water User Group (WUG) Second-Tier Identified Water Need

| REGION L | WUG SECOND-TIER NEEDS (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------|--|------|------|------|------|-------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| FRIO COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| STEAM ELECTRIC POWER | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| GOLIAD COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| STEAM ELECTRIC POWER | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO BASIN | | | | | | |
| GOLIAD | 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 | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO-NUECES 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 |
| GONZALES COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| GONZALES | 0 | 0 | 0 | 0 | 0 | 0 |
| GONZALES COUNTY WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| NIXON | 0 | 0 | 0 | 0 | 0 | 0 |
| SMILEY | 0 | 0 | 0 | 0 | 0 | 0 |
| WAEELDER | 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 | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| LAVACA BASIN | | | | | | |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| CRYSTAL CLEAR WSC | 0 | 32 | 310 | 613 | 937 | 1,214 |
| GONZALES COUNTY WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| GREEN VALLEY SUD | 0 | 146 | 265 | 216 | 549 | 0 |
| LULING | 0 | 0 | 1 | 2 | 2 | 3 |
| NEW BRAUNFELS | 0 | 0 | 0 | 0 | 0 | 0 |
| SANTA CLARA | 0 | 0 | 0 | 2 | 5 | 8 |
| SCHERTZ | 0 | 0 | 29 | 162 | 297 | 420 |
| SEGUIN | 0 | 0 | 0 | 0 | 0 | 0 |

Water User Group (WUG) Second-Tier Identified Water Need

| REGION L | WUG SECOND-TIER NEEDS (ACRE-FEET PER YEAR) | | | | | |
|--------------------------|--|-------|-------|-------|-------|--------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| GUADALUPE COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| SPRINGS HILL WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| MANUFACTURING | 0 | 0 | 0 | 163 | 493 | 851 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| STEAM ELECTRIC POWER | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO BASIN | | | | | | |
| CIBOLO | 1,150 | 3,897 | 5,174 | 6,224 | 7,238 | 8,174 |
| EAST CENTRAL SUD | 0 | 0 | 8 | 21 | 39 | 56 |
| GREEN VALLEY SUD | 0 | 107 | 193 | 158 | 401 | 0 |
| MARION | 0 | 0 | 0 | 0 | 0 | 0 |
| NEW BERLIN | 0 | 0 | 0 | 0 | 0 | 0 |
| SANTA CLARA | 0 | 0 | 0 | 13 | 30 | 46 |
| SCHERTZ | 0 | 0 | 354 | 2,039 | 3,716 | 5,262 |
| SELMA | 0 | 0 | 0 | 0 | 12 | 20 |
| SPRINGS HILL WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| WATER SERVICES INC | 0 | 0 | 0 | 0 | 0 | 0 |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| MANUFACTURING | 0 | 0 | 0 | 0 | 1 | 3 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| HAYS COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| BUDA | 0 | 0 | 0 | 0 | 0 | 0 |
| COUNTY LINE WSC | 0 | 0 | 0 | 150 | 298 | 461 |
| CREEDMOOR-MAHA WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| CRYSTAL CLEAR WSC | 0 | 13 | 118 | 243 | 388 | 529 |
| GOFORTH SUD | 0 | 0 | 0 | 0 | 0 | 523 |
| KYLE | 0 | 0 | 0 | 0 | 0 | 0 |
| MAXWELL WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| MOUNTAIN CITY | 0 | 1 | 7 | 17 | 29 | 41 |
| NIEDERWALD | 46 | 65 | 85 | 111 | 140 | 174 |
| PLUM CREEK WATER COMPANY | 0 | 185 | 184 | 185 | 184 | 184 |
| SAN MARCOS | 0 | 0 | 0 | 0 | 245 | 1,929 |
| UHLAND | 0 | 0 | 0 | 0 | 0 | 0 |
| WIMBERLEY | 0 | 0 | 96 | 333 | 591 | 874 |
| WIMBERLEY WSC | 0 | 0 | 236 | 564 | 934 | 1,356 |
| WOODCREEK | 0 | 0 | 0 | 0 | 0 | 0 |
| COUNTY-OTHER | 0 | 0 | 0 | 1,109 | 6,654 | 12,812 |
| MANUFACTURING | 0 | 0 | 0 | 0 | 0 | 0 |
| STEAM ELECTRIC POWER | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| KARNES COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| EL OSO WSC | 0 | 0 | 0 | 0 | 0 | 0 |

Water User Group (WUG) Second-Tier Identified Water Need

| REGION L | WUG SECOND-TIER NEEDS (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------|--|-------|------|------|------|------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| KARNES COUNTY | | | | | | |
| GUADALUPE 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 |
| NUECES BASIN | | | | | | |
| EL OSO WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| MINING | 217 | 156 | 94 | 35 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO BASIN | | | | | | |
| EL OSO WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| FALLS CITY | 0 | 0 | 0 | 0 | 0 | 0 |
| KARNES CITY | 257 | 227 | 190 | 178 | 149 | 137 |
| KENEDY | 0 | 0 | 0 | 0 | 0 | 0 |
| RUNGE | 0 | 0 | 0 | 0 | 0 | 0 |
| SUNKO WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| MANUFACTURING | 0 | 0 | 0 | 0 | 0 | 0 |
| MINING | 1,572 | 1,085 | 580 | 80 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| EL OSO WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| MINING | 75 | 51 | 26 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| KENDALL COUNTY | | | | | | |
| COLORADO BASIN | | | | | | |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE BASIN | | | | | | |
| KENDALL COUNTY WCID #1 | 0 | 0 | 0 | 0 | 0 | 0 |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO BASIN | | | | | | |
| BOERNE | 0 | 0 | 0 | 0 | 0 | 319 |
| FAIR OAKS RANCH | 0 | 0 | 0 | 0 | 0 | 0 |
| WATER SERVICES INC | 0 | 0 | 0 | 0 | 0 | 0 |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| LA SALLE COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| COTULLA | 0 | 0 | 0 | 0 | 0 | 0 |
| ENCINAL | 0 | 0 | 0 | 0 | 0 | 0 |

Water User Group (WUG) Second-Tier Identified Water Need

| REGION L | WUG SECOND-TIER NEEDS (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------|--|--------|--------|--------|--------|--------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| LA SALLE COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| COUNTY-OTHER | 0 | 0 | 0 | 26 | 0 | 0 |
| MINING | 4,088 | 4,243 | 3,734 | 2,290 | 851 | 147 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| MEDINA COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| BENTON CITY WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| DEVINE | 0 | 0 | 0 | 0 | 0 | 0 |
| EAST MEDINA COUNTY SUD | 0 | 0 | 0 | 0 | 10 | 64 |
| HONDO | 333 | 422 | 370 | 350 | 399 | 433 |
| LYTLE | 28 | 39 | 45 | 57 | 68 | 76 |
| NATALIA | 79 | 107 | 127 | 144 | 157 | 166 |
| YANCEY WSC | 0 | 19 | 30 | 41 | 51 | 59 |
| 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 | 29,816 | 27,758 | 25,779 | 23,882 | 22,065 | 20,461 |
| SAN ANTONIO BASIN | | | | | | |
| CASTROVILLE | 140 | 113 | 51 | 0 | 0 | 0 |
| EAST MEDINA COUNTY SUD | 0 | 0 | 0 | 0 | 1 | 6 |
| LACOSTE | 4 | 20 | 28 | 37 | 47 | 56 |
| SAN ANTONIO | 1 | 2 | 2 | 2 | 1 | 1 |
| SAN ANTONIO WATER SYSTEM | 58 | 185 | 293 | 386 | 479 | 550 |
| YANCEY WSC | 0 | 76 | 124 | 167 | 210 | 239 |
| 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 | 1,713 | 1,386 | 1,071 | 771 | 482 | 228 |
| REFUGIO COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| REFUGIO | 0 | 0 | 0 | 0 | 0 | 0 |
| WOODSBORO | 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 |
| UVALDE COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| SABINAL | 79 | 96 | 84 | 71 | 61 | 73 |
| UVALDE | 562 | 722 | 610 | 493 | 460 | 569 |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| MANUFACTURING | 0 | 0 | 0 | 0 | 0 | 0 |

Water User Group (WUG) Second-Tier Identified Water Need

| REGION L | WUG SECOND-TIER NEEDS (ACRE-FEET PER YEAR) | | | | | |
|-------------------------------|--|--------|--------|--------|--------|--------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| UVALDE COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 29,683 | 27,370 | 24,992 | 22,831 | 20,818 | 19,102 |
| VICTORIA COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| VICTORIA | 5,548 | 5,764 | 5,239 | 4,669 | 4,052 | 3,869 |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| MANUFACTURING | 2,178 | 5,016 | 7,841 | 10,366 | 13,206 | 16,252 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| STEAM ELECTRIC POWER | 4,506 | 29,778 | 37,178 | 53,599 | 70,696 | 70,696 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 1,589 | 1,589 | 1,589 | 1,589 | 1,589 | 1,589 |
| LAVACA BASIN | | | | | | |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| LAVACA-GUADALUPE BASIN | | | | | | |
| VICTORIA | 2,684 | 2,789 | 2,535 | 2,259 | 1,960 | 1,872 |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 3,676 | 3,676 | 3,676 | 3,676 | 3,676 | 3,676 |
| SAN ANTONIO BASIN | | | | | | |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| WILSON COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| NIXON | 0 | 0 | 0 | 0 | 0 | 0 |
| SUNKO WSC | 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 |
| NUECES BASIN | | | | | | |
| MCCOY WSC | 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 |
| SAN ANTONIO BASIN | | | | | | |
| EAST CENTRAL SUD | 0 | 0 | 12 | 36 | 64 | 91 |
| EL OSO WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| ELMENDORF | 0 | 0 | 0 | 0 | 0 | 0 |
| FLORESVILLE | 0 | 0 | 0 | 0 | 2 | 157 |
| LA VERNIA | 0 | 0 | 0 | 0 | 0 | 0 |
| MCCOY WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| OAK HILLS WSC | 0 | 0 | 0 | 0 | 0 | 0 |
| POTH | 0 | 0 | 0 | 0 | 0 | 0 |
| S S WSC | 0 | 0 | 0 | 0 | 0 | 130 |

Water User Group (WUG) Second-Tier Identified Water Need

| REGION L | WUG SECOND-TIER NEEDS (ACRE-FEET PER YEAR) | | | | | |
|--------------------------|--|--------|--------|--------|--------|-------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| WILSON COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| STOCKDALE | 0 | 0 | 0 | 0 | 0 | 0 |
| SUNKO WSC | 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 | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| ZAVALA COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| CRYSTAL CITY | 0 | 0 | 0 | 0 | 0 | 0 |
| ZAVALA COUNTY WCID #1 | 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 | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 18,487 | 16,805 | 14,980 | 13,049 | 11,193 | 9,443 |

*Second-tier needs are WUG split needs adjusted to include the implementation of recommended demand reduction and direct reuse water management strategies.

Source Availability

| REGION L | | | | | | | | | |
|------------------------|---------------|--------------|-----------------|---|-------------|-------------|-------------|-------------|-------------|
| GROUNDWATER | COUNTY | BASIN | SALINITY | SOURCE AVAILABILITY (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| AUSTIN CHALK AQUIFER | UVALDE | NUECES | FRESH | 2,935 | 2,935 | 2,935 | 2,935 | 2,935 | 2,935 |
| BUDA LIMESTONE AQUIFER | UVALDE | NUECES | FRESH | 758 | 758 | 758 | 758 | 758 | 758 |
| CARRIZO-WILCOX AQUIFER | ATASCOSA | NUECES | FRESH | 68,656 | 70,249 | 71,827 | 73,666 | 75,688 | 75,688 |
| CARRIZO-WILCOX AQUIFER | ATASCOSA | SAN ANTONIO | FRESH | 120 | 120 | 120 | 120 | 120 | 120 |
| CARRIZO-WILCOX AQUIFER | BEXAR | NUECES | FRESH | 14,198 | 14,198 | 14,198 | 14,198 | 14,198 | 14,198 |
| CARRIZO-WILCOX AQUIFER | BEXAR | SAN ANTONIO | FRESH | 12,080 | 12,080 | 12,080 | 12,080 | 11,909 | 11,909 |
| CARRIZO-WILCOX AQUIFER | CALDWELL | COLORADO | FRESH | 593 | 593 | 593 | 593 | 593 | 593 |
| CARRIZO-WILCOX AQUIFER | CALDWELL | GUADALUPE | FRESH | 43,951 | 43,543 | 43,543 | 42,967 | 42,967 | 42,967 |
| CARRIZO-WILCOX AQUIFER | DIMMIT | NUECES | FRESH | 3,253 | 3,253 | 3,253 | 3,253 | 3,253 | 3,253 |
| CARRIZO-WILCOX AQUIFER | DIMMIT | RIO GRANDE | FRESH | 106 | 106 | 106 | 106 | 106 | 106 |
| CARRIZO-WILCOX AQUIFER | FRIO | NUECES | FRESH | 79,089 | 76,734 | 74,439 | 72,222 | 70,030 | 70,030 |
| CARRIZO-WILCOX AQUIFER | GONZALES | GUADALUPE | FRESH | 62,101 | 70,102 | 75,576 | 75,755 | 75,755 | 75,755 |
| CARRIZO-WILCOX AQUIFER | GONZALES | LAVACA | FRESH | 215 | 215 | 215 | 215 | 215 | 215 |
| CARRIZO-WILCOX AQUIFER | GUADALUPE | GUADALUPE | FRESH | 9,460 | 9,910 | 11,648 | 12,168 | 12,668 | 12,668 |
| CARRIZO-WILCOX AQUIFER | GUADALUPE | SAN ANTONIO | FRESH | 1,373 | 1,373 | 1,373 | 1,373 | 1,373 | 1,373 |
| CARRIZO-WILCOX AQUIFER | KARNES | GUADALUPE | FRESH | 195 | 207 | 215 | 220 | 224 | 224 |
| CARRIZO-WILCOX AQUIFER | KARNES | NUECES | FRESH | 92 | 97 | 101 | 103 | 105 | 105 |
| CARRIZO-WILCOX AQUIFER | KARNES | SAN ANTONIO | FRESH | 830 | 878 | 915 | 936 | 951 | 951 |
| CARRIZO-WILCOX AQUIFER | LA SALLE | NUECES | FRESH | 6,454 | 6,454 | 6,454 | 6,454 | 6,454 | 6,454 |
| CARRIZO-WILCOX AQUIFER | MEDINA | NUECES | FRESH | 2,519 | 2,507 | 2,507 | 2,507 | 2,507 | 2,507 |
| CARRIZO-WILCOX AQUIFER | MEDINA | SAN ANTONIO | FRESH | 26 | 26 | 26 | 26 | 26 | 26 |
| CARRIZO-WILCOX AQUIFER | UVALDE | NUECES | FRESH | 1,230 | 828 | 828 | 828 | 828 | 828 |
| CARRIZO-WILCOX AQUIFER | WILSON | GUADALUPE | FRESH | 672 | 731 | 791 | 861 | 938 | 938 |
| CARRIZO-WILCOX AQUIFER | WILSON | NUECES | FRESH | 7,311 | 7,505 | 7,703 | 7,932 | 8,185 | 8,185 |
| CARRIZO-WILCOX AQUIFER | WILSON | SAN ANTONIO | FRESH | 29,003 | 30,481 | 31,992 | 33,738 | 35,671 | 35,671 |
| CARRIZO-WILCOX AQUIFER | ZAVALA | NUECES | FRESH | 35,859 | 35,521 | 35,388 | 35,288 | 34,969 | 34,969 |
| EDWARDS-BFZ AQUIFER | ATASCOSA | NUECES | FRESH | 154 | 154 | 154 | 154 | 154 | 154 |
| EDWARDS-BFZ AQUIFER | ATASCOSA | SAN ANTONIO | FRESH | 72 | 72 | 72 | 72 | 72 | 72 |
| EDWARDS-BFZ AQUIFER | BEXAR | SAN ANTONIO | FRESH | 213,671 | 213,671 | 213,671 | 213,671 | 213,671 | 213,671 |
| EDWARDS-BFZ AQUIFER | CALDWELL | COLORADO | SALINE | 64 | 64 | 64 | 64 | 64 | 64 |

Source Availability

| REGION L | | | | | | | | | |
|----------------------------------|---------------|--------------------|-----------------|---|-------------|-------------|-------------|-------------|-------------|
| GROUNDWATER | COUNTY | BASIN | SALINITY | SOURCE AVAILABILITY (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| EDWARDS-BFZ AQUIFER | CALDWELL | GUADALUPE | SALINE | 134 | 134 | 134 | 134 | 134 | 134 |
| EDWARDS-BFZ AQUIFER | COMAL | GUADALUPE | FRESH | 13,271 | 13,271 | 13,271 | 13,271 | 13,271 | 13,271 |
| EDWARDS-BFZ AQUIFER | COMAL | SAN ANTONIO | FRESH | 287 | 287 | 287 | 287 | 287 | 287 |
| EDWARDS-BFZ AQUIFER | FRIO | NUECES | FRESH | 23,213 | 23,213 | 23,213 | 23,213 | 23,213 | 23,213 |
| EDWARDS-BFZ AQUIFER | GUADALUPE | GUADALUPE | FRESH | 208 | 208 | 208 | 208 | 208 | 208 |
| EDWARDS-BFZ AQUIFER | HAYS | GUADALUPE | FRESH | 7,802 | 7,802 | 7,802 | 7,802 | 7,802 | 7,802 |
| EDWARDS-BFZ AQUIFER | HAYS | GUADALUPE | SALINE | 235 | 235 | 235 | 235 | 235 | 235 |
| EDWARDS-BFZ AQUIFER | MEDINA | NUECES | FRESH | 19,373 | 19,373 | 19,373 | 19,373 | 19,373 | 19,373 |
| EDWARDS-BFZ AQUIFER | MEDINA | SAN ANTONIO | FRESH | 6,620 | 6,620 | 6,620 | 6,620 | 6,620 | 6,620 |
| EDWARDS-BFZ AQUIFER | UVALDE | NUECES | FRESH | 31,714 | 31,714 | 31,714 | 31,714 | 31,714 | 31,714 |
| EDWARDS-BFZ AQUIFER | BEXAR | NUECES | FRESH | 188 | 188 | 188 | 188 | 188 | 188 |
| EDWARDS-TRINITY-PLATEAU AQUIFER | KENDALL | COLORADO | FRESH | 46 | 46 | 46 | 46 | 46 | 46 |
| EDWARDS-TRINITY-PLATEAU AQUIFER | KENDALL | GUADALUPE | FRESH | 103 | 103 | 103 | 103 | 103 | 103 |
| EDWARDS-TRINITY-PLATEAU AQUIFER | KENDALL | SAN ANTONIO | FRESH | 169 | 169 | 169 | 169 | 169 | 169 |
| EDWARDS-TRINITY-PLATEAU AQUIFER | UVALDE | NUECES | FRESH | 1,635 | 1,635 | 1,635 | 1,635 | 1,635 | 1,635 |
| GUADALUPE RIVER ALLUVIUM AQUIFER | CALDWELL | GUADALUPE | FRESH | 215 | 215 | 215 | 215 | 215 | 215 |
| GULF COAST AQUIFER | CALHOUN | COLORADO-LAVACA | FRESH | 361 | 361 | 361 | 361 | 361 | 361 |
| GULF COAST AQUIFER | CALHOUN | GUADALUPE | FRESH | 17 | 17 | 17 | 17 | 17 | 17 |
| GULF COAST AQUIFER | CALHOUN | LAVACA | FRESH | 2 | 2 | 2 | 2 | 2 | 2 |
| GULF COAST AQUIFER | CALHOUN | LAVACA-GUADALUPE | FRESH | 2,574 | 2,574 | 2,574 | 2,574 | 2,574 | 2,574 |
| GULF COAST AQUIFER | CALHOUN | SAN ANTONIO-NUECES | FRESH | 41 | 41 | 41 | 41 | 41 | 41 |
| GULF COAST AQUIFER | DEWITT | GUADALUPE | FRESH | 10,548 | 10,548 | 10,548 | 10,548 | 10,548 | 10,548 |
| GULF COAST AQUIFER | DEWITT | LAVACA | FRESH | 2,932 | 2,926 | 2,915 | 2,912 | 2,912 | 2,912 |
| GULF COAST AQUIFER | DEWITT | LAVACA-GUADALUPE | FRESH | 417 | 417 | 417 | 417 | 417 | 417 |
| GULF COAST AQUIFER | DEWITT | SAN ANTONIO | FRESH | 739 | 739 | 739 | 739 | 739 | 739 |
| GULF COAST AQUIFER | GOLIAD | GUADALUPE | FRESH | 4,417 | 4,417 | 4,417 | 4,417 | 4,417 | 4,417 |
| GULF COAST AQUIFER | GOLIAD | SAN ANTONIO | FRESH | 6,121 | 6,121 | 6,121 | 6,121 | 6,121 | 6,121 |
| GULF COAST AQUIFER | GOLIAD | SAN ANTONIO-NUECES | FRESH | 1,161 | 1,161 | 1,161 | 1,161 | 1,161 | 1,161 |
| GULF COAST AQUIFER | GONZALES | GUADALUPE | FRESH | 1,901 | 1,901 | 1,901 | 1,901 | 1,901 | 1,901 |
| GULF COAST AQUIFER | GONZALES | LAVACA | FRESH | 182 | 182 | 182 | 182 | 182 | 182 |
| GULF COAST AQUIFER | KARNES | GUADALUPE | FRESH | 12 | 12 | 12 | 12 | 12 | 12 |
| GULF COAST AQUIFER | KARNES | NUECES | FRESH | 78 | 78 | 78 | 78 | 78 | 78 |
| GULF COAST AQUIFER | KARNES | SAN ANTONIO | FRESH | 3,061 | 3,056 | 3,052 | 3,048 | 2,944 | 2,944 |
| GULF COAST AQUIFER | KARNES | SAN ANTONIO-NUECES | FRESH | 84 | 84 | 84 | 84 | 82 | 82 |
| GULF COAST AQUIFER | REFUGIO | SAN ANTONIO | FRESH | 1,522 | 1,522 | 1,522 | 1,522 | 1,522 | 1,522 |
| GULF COAST AQUIFER | REFUGIO | SAN ANTONIO-NUECES | FRESH | 27,806 | 27,806 | 27,806 | 27,806 | 27,806 | 27,806 |
| GULF COAST AQUIFER | VICTORIA | GUADALUPE | FRESH | 14,617 | 14,617 | 14,617 | 14,617 | 14,617 | 14,617 |

Source Availability

| REGION L | | | | | | | | | |
|----------------------|-----------|------------------|----------|--|--------|--------|--------|--------|--------|
| GROUNDWATER | COUNTY | BASIN | SALINITY | SOURCE AVAILABILITY (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| GULF COAST AQUIFER | VICTORIA | LAVACA | FRESH | 217 | 217 | 217 | 217 | 217 | 217 |
| GULF COAST AQUIFER | VICTORIA | LAVACA-GUADALUPE | FRESH | 19,924 | 19,924 | 19,924 | 19,924 | 19,924 | 19,924 |
| GULF COAST AQUIFER | VICTORIA | SAN ANTONIO | FRESH | 936 | 936 | 936 | 936 | 936 | 936 |
| LEONA GRAVEL AQUIFER | MEDINA | NUECES | FRESH | 17,955 | 17,955 | 17,955 | 17,955 | 17,955 | 17,955 |
| LEONA GRAVEL AQUIFER | MEDINA | SAN ANTONIO | FRESH | 4,062 | 4,062 | 4,062 | 4,062 | 4,062 | 4,062 |
| LEONA GRAVEL AQUIFER | UVALDE | NUECES | FRESH | 9,385 | 9,385 | 9,385 | 9,385 | 9,385 | 9,385 |
| QUEEN CITY AQUIFER | ATASCOSA | NUECES | FRESH | 4,546 | 4,513 | 4,405 | 4,300 | 4,202 | 4,202 |
| QUEEN CITY AQUIFER | CALDWELL | GUADALUPE | FRESH | 306 | 306 | 306 | 306 | 306 | 306 |
| QUEEN CITY AQUIFER | DIMMIT | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| QUEEN CITY AQUIFER | DIMMIT | RIO GRANDE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| QUEEN CITY AQUIFER | FRIO | NUECES | FRESH | 4,582 | 4,422 | 4,270 | 4,124 | 3,983 | 3,983 |
| QUEEN CITY AQUIFER | GONZALES | GUADALUPE | FRESH | 5,030 | 5,030 | 5,030 | 5,030 | 5,030 | 5,030 |
| QUEEN CITY AQUIFER | GONZALES | LAVACA | FRESH | 35 | 35 | 35 | 35 | 35 | 35 |
| QUEEN CITY AQUIFER | GUADALUPE | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| QUEEN CITY AQUIFER | KARNES | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| QUEEN CITY AQUIFER | KARNES | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| QUEEN CITY AQUIFER | KARNES | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| QUEEN CITY AQUIFER | LA SALLE | NUECES | FRESH | 1 | 1 | 1 | 1 | 1 | 1 |
| QUEEN CITY AQUIFER | WILSON | GUADALUPE | FRESH | 114 | 101 | 90 | 80 | 72 | 72 |
| QUEEN CITY AQUIFER | WILSON | NUECES | FRESH | 132 | 117 | 104 | 93 | 83 | 83 |
| QUEEN CITY AQUIFER | WILSON | SAN ANTONIO | FRESH | 1,094 | 973 | 866 | 772 | 690 | 690 |
| QUEEN CITY AQUIFER | ZAVALA | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SPARTA AQUIFER | ATASCOSA | NUECES | FRESH | 1,130 | 1,082 | 1,042 | 1,013 | 994 | 994 |
| SPARTA AQUIFER | DIMMIT | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SPARTA AQUIFER | FRIO | NUECES | FRESH | 698 | 674 | 650 | 624 | 601 | 601 |
| SPARTA AQUIFER | GONZALES | GUADALUPE | FRESH | 3,529 | 3,529 | 3,529 | 3,529 | 3,529 | 3,529 |
| SPARTA AQUIFER | GONZALES | LAVACA | FRESH | 23 | 23 | 23 | 23 | 23 | 23 |
| SPARTA AQUIFER | KARNES | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SPARTA AQUIFER | KARNES | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SPARTA AQUIFER | KARNES | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SPARTA AQUIFER | LA SALLE | NUECES | FRESH | 987 | 987 | 987 | 987 | 987 | 987 |
| SPARTA AQUIFER | WILSON | GUADALUPE | FRESH | 20 | 18 | 16 | 14 | 13 | 13 |
| SPARTA AQUIFER | WILSON | NUECES | FRESH | 49 | 44 | 39 | 34 | 31 | 31 |
| SPARTA AQUIFER | WILSON | SAN ANTONIO | FRESH | 154 | 137 | 121 | 108 | 97 | 97 |
| SPARTA AQUIFER | ZAVALA | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| TRINITY AQUIFER | BEXAR | NUECES | FRESH | 223 | 223 | 223 | 223 | 223 | 223 |
| TRINITY AQUIFER | BEXAR | SAN ANTONIO | FRESH | 44,854 | 44,854 | 44,854 | 44,854 | 44,854 | 44,854 |
| TRINITY AQUIFER | CALDWELL | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| TRINITY AQUIFER | COMAL | GUADALUPE | FRESH | 34,082 | 34,082 | 34,082 | 34,082 | 34,082 | 34,082 |
| TRINITY AQUIFER | COMAL | SAN ANTONIO | FRESH | 5,416 | 5,416 | 5,416 | 5,416 | 5,416 | 5,416 |

Source Availability

| REGION L | | | | | | | | | |
|---------------------------------------|-----------|-------------|----------|--|---------|---------|---------|---------|---------|
| GROUNDWATER | COUNTY | BASIN | SALINITY | SOURCE AVAILABILITY (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| TRINITY AQUIFER | GUADALUPE | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| TRINITY AQUIFER | GUADALUPE | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| TRINITY AQUIFER | HAYS | GUADALUPE | FRESH | 7,270 | 7,270 | 7,270 | 7,270 | 7,270 | 7,270 |
| TRINITY AQUIFER | KENDALL | COLORADO | FRESH | 135 | 135 | 135 | 135 | 135 | 135 |
| TRINITY AQUIFER | KENDALL | GUADALUPE | FRESH | 6,028 | 6,028 | 6,028 | 6,028 | 6,028 | 6,028 |
| TRINITY AQUIFER | KENDALL | SAN ANTONIO | FRESH | 4,976 | 4,976 | 4,976 | 4,976 | 4,976 | 4,976 |
| TRINITY AQUIFER | MEDINA | NUECES | FRESH | 5,948 | 5,948 | 5,948 | 5,948 | 5,948 | 5,948 |
| TRINITY AQUIFER | MEDINA | SAN ANTONIO | FRESH | 1,921 | 1,921 | 1,921 | 1,921 | 1,921 | 1,921 |
| TRINITY AQUIFER | UVALDE | NUECES | FRESH | 639 | 639 | 639 | 639 | 639 | 639 |
| YEGUA-JACKSON AQUIFER | ATASCOSA | NUECES | FRESH | 855 | 855 | 855 | 855 | 855 | 855 |
| YEGUA-JACKSON AQUIFER | FRIO | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| YEGUA-JACKSON AQUIFER | GONZALES | GUADALUPE | FRESH | 980 | 980 | 980 | 980 | 980 | 980 |
| YEGUA-JACKSON AQUIFER | GONZALES | LAVACA | FRESH | 3 | 3 | 3 | 3 | 3 | 3 |
| YEGUA-JACKSON AQUIFER | KARNES | GUADALUPE | FRESH | 112 | 112 | 112 | 112 | 112 | 112 |
| YEGUA-JACKSON AQUIFER | KARNES | NUECES | FRESH | 34 | 34 | 34 | 34 | 34 | 34 |
| YEGUA-JACKSON AQUIFER | KARNES | SAN ANTONIO | FRESH | 628 | 628 | 628 | 628 | 628 | 628 |
| YEGUA-JACKSON AQUIFER | LA SALLE | NUECES | FRESH | 91 | 91 | 91 | 91 | 91 | 91 |
| YEGUA-JACKSON AQUIFER | WILSON | GUADALUPE | FRESH | 48 | 48 | 48 | 48 | 48 | 48 |
| YEGUA-JACKSON AQUIFER | WILSON | NUECES | FRESH | 184 | 184 | 184 | 184 | 184 | 184 |
| YEGUA-JACKSON AQUIFER | WILSON | SAN ANTONIO | FRESH | 606 | 606 | 606 | 606 | 606 | 606 |
| GROUNDWATER TOTAL SOURCE AVAILABILITY | | | | 970,788 | 978,664 | 986,351 | 987,621 | 989,243 | 989,243 |
| REGION L | | | | | | | | | |
| REUSE | COUNTY | BASIN | SALINITY | SOURCE AVAILABILITY (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| DIRECT REUSE | BEXAR | SAN ANTONIO | FRESH | 25,560 | 30,560 | 35,560 | 35,560 | 35,560 | 35,560 |
| DIRECT REUSE | COMAL | GUADALUPE | FRESH | 107 | 107 | 107 | 107 | 107 | 107 |
| DIRECT REUSE | GUADALUPE | GUADALUPE | FRESH | 1,414 | 1,414 | 1,414 | 1,414 | 1,414 | 1,414 |
| DIRECT REUSE | HAYS | GUADALUPE | FRESH | 4,119 | 4,119 | 4,119 | 4,119 | 4,119 | 4,119 |
| DIRECT REUSE | KARNES | SAN ANTONIO | FRESH | 30 | 30 | 30 | 30 | 30 | 30 |
| DIRECT REUSE | KENDALL | GUADALUPE | FRESH | 264 | 264 | 264 | 264 | 264 | 264 |
| DIRECT REUSE | KENDALL | SAN ANTONIO | FRESH | 7 | 7 | 7 | 7 | 7 | 7 |
| REUSE TOTAL SOURCE AVAILABILITY | | | | 31,501 | 36,501 | 41,501 | 41,501 | 41,501 | 41,501 |
| REGION L | | | | | | | | | |
| SURFACE WATER | COUNTY | BASIN | SALINITY | SOURCE AVAILABILITY (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| BOERNE LAKE/RESERVOIR | RESERVOIR | SAN ANTONIO | FRESH | 645 | 645 | 645 | 645 | 645 | 645 |

Source Availability

| REGION L | | | | | | | | | |
|--|---------------|-----------------|-----------------|---|-------------|-------------|-------------|-------------|-------------|
| SURFACE WATER | COUNTY | BASIN | SALINITY | SOURCE AVAILABILITY (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| CALAVERAS LAKE/RESERVOIR | RESERVOIR | SAN ANTONIO | FRESH | 36,900 | 36,900 | 36,900 | 36,900 | 36,900 | 36,900 |
| CANYON LAKE/RESERVOIR | RESERVOIR | GUADALUPE | FRESH | 89,100 | 88,960 | 88,820 | 88,680 | 88,540 | 88,400 |
| COLETO CREEK LAKE/RESERVOIR | RESERVOIR | GUADALUPE | FRESH | 24,160 | 24,160 | 24,160 | 24,160 | 24,160 | 24,160 |
| COLORADO LIVESTOCK LOCAL SUPPLY | CALDWELL | COLORADO | FRESH | 30 | 30 | 30 | 30 | 30 | 30 |
| COLORADO LIVESTOCK LOCAL SUPPLY | KENDALL | COLORADO | FRESH | 6 | 6 | 6 | 6 | 6 | 6 |
| COLORADO-LAVACA LIVESTOCK LOCAL SUPPLY | CALHOUN | COLORADO-LAVACA | FRESH | 64 | 64 | 64 | 64 | 64 | 64 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | CALDWELL | GUADALUPE | FRESH | 471 | 471 | 471 | 471 | 471 | 471 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | COMAL | GUADALUPE | FRESH | 120 | 120 | 120 | 120 | 120 | 120 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | DEWITT | GUADALUPE | FRESH | 631 | 631 | 631 | 631 | 631 | 631 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | GOLIAD | GUADALUPE | FRESH | 140 | 140 | 140 | 140 | 140 | 140 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | GONZALES | GUADALUPE | FRESH | 2,315 | 2,315 | 2,315 | 2,315 | 2,315 | 2,315 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | GUADALUPE | GUADALUPE | FRESH | 523 | 523 | 523 | 523 | 523 | 523 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | HAYS | GUADALUPE | FRESH | 204 | 204 | 204 | 204 | 204 | 204 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | KARNES | GUADALUPE | FRESH | 20 | 20 | 20 | 20 | 20 | 20 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | KENDALL | GUADALUPE | FRESH | 159 | 159 | 159 | 159 | 159 | 159 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | VICTORIA | GUADALUPE | FRESH | 339 | 339 | 339 | 339 | 339 | 339 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | WILSON | GUADALUPE | FRESH | 54 | 54 | 54 | 54 | 54 | 54 |
| GUADALUPE RUN-OF-RIVER | CALDWELL | GUADALUPE | FRESH | 1,296 | 1,296 | 1,296 | 1,296 | 1,296 | 1,296 |
| GUADALUPE RUN-OF-RIVER | CALHOUN | GUADALUPE | FRESH | 41,543 | 41,543 | 41,543 | 41,543 | 41,543 | 41,543 |
| GUADALUPE RUN-OF-RIVER | COMAL | GUADALUPE | FRESH | 2,001 | 2,001 | 2,001 | 2,001 | 2,001 | 2,001 |
| GUADALUPE RUN-OF-RIVER | GONZALES | GUADALUPE | FRESH | 4,040 | 4,040 | 4,040 | 4,040 | 4,040 | 4,040 |
| GUADALUPE RUN-OF-RIVER | GUADALUPE | GUADALUPE | FRESH | 7,639 | 7,639 | 7,639 | 7,639 | 7,639 | 7,639 |
| GUADALUPE RUN-OF-RIVER | HAYS | GUADALUPE | FRESH | 130 | 130 | 130 | 130 | 130 | 130 |
| GUADALUPE RUN-OF-RIVER | KENDALL | GUADALUPE | FRESH | 26 | 26 | 26 | 26 | 26 | 26 |
| GUADALUPE RUN-OF-RIVER | VICTORIA | GUADALUPE | FRESH | 28,772 | 28,772 | 28,772 | 28,772 | 28,772 | 28,772 |
| LAVACA LIVESTOCK LOCAL SUPPLY | DEWITT | LAVACA | FRESH | 282 | 282 | 282 | 282 | 282 | 282 |
| LAVACA LIVESTOCK LOCAL SUPPLY | GONZALES | LAVACA | FRESH | 53 | 53 | 53 | 53 | 53 | 53 |
| LAVACA LIVESTOCK LOCAL SUPPLY | VICTORIA | LAVACA | FRESH | 2 | 2 | 2 | 2 | 2 | 2 |

Source Availability

| REGION L | | | | | | | | | |
|---|----------|------------------|----------|--|-------|-------|-------|-------|-------|
| SURFACE WATER | COUNTY | BASIN | SALINITY | SOURCE AVAILABILITY (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | CALHOUN | LAVACA-GUADALUPE | FRESH | 92 | 92 | 92 | 92 | 92 | 92 |
| LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | DEWITT | LAVACA-GUADALUPE | FRESH | 9 | 9 | 9 | 9 | 9 | 9 |
| LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | VICTORIA | LAVACA-GUADALUPE | FRESH | 218 | 218 | 218 | 218 | 218 | 218 |
| NUECES LIVESTOCK LOCAL SUPPLY | ATASCOSA | NUECES | FRESH | 754 | 754 | 754 | 754 | 754 | 754 |
| NUECES LIVESTOCK LOCAL SUPPLY | BEXAR | NUECES | FRESH | 177 | 177 | 177 | 177 | 177 | 177 |
| NUECES LIVESTOCK LOCAL SUPPLY | DIMMIT | NUECES | FRESH | 220 | 220 | 220 | 220 | 220 | 220 |
| NUECES LIVESTOCK LOCAL SUPPLY | FRIO | NUECES | FRESH | 497 | 497 | 497 | 497 | 497 | 497 |
| NUECES LIVESTOCK LOCAL SUPPLY | LA SALLE | NUECES | FRESH | 305 | 305 | 305 | 305 | 305 | 305 |
| NUECES LIVESTOCK LOCAL SUPPLY | MEDINA | NUECES | FRESH | 519 | 519 | 519 | 519 | 519 | 519 |
| NUECES LIVESTOCK LOCAL SUPPLY | UVALDE | NUECES | FRESH | 516 | 516 | 516 | 516 | 516 | 516 |
| NUECES LIVESTOCK LOCAL SUPPLY | WILSON | NUECES | FRESH | 54 | 54 | 55 | 55 | 56 | 56 |
| NUECES LIVESTOCK LOCAL SUPPLY | ZAVALA | NUECES | FRESH | 594 | 594 | 594 | 594 | 594 | 594 |
| NUECES RUN-OF-RIVER | DIMMIT | NUECES | FRESH | 2,262 | 2,262 | 2,262 | 2,262 | 2,262 | 2,262 |
| NUECES RUN-OF-RIVER | LA SALLE | NUECES | FRESH | 705 | 705 | 705 | 705 | 705 | 705 |
| NUECES RUN-OF-RIVER | UVALDE | NUECES | FRESH | 720 | 720 | 720 | 720 | 720 | 720 |
| RIO GRANDE LIVESTOCK LOCAL SUPPLY | DIMMIT | RIO GRANDE | FRESH | 24 | 24 | 24 | 24 | 24 | 24 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | BEXAR | SAN ANTONIO | FRESH | 402 | 402 | 402 | 402 | 402 | 402 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | COMAL | SAN ANTONIO | FRESH | 9 | 9 | 9 | 9 | 9 | 9 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | DEWITT | SAN ANTONIO | FRESH | 75 | 75 | 75 | 75 | 75 | 75 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | GOLIAD | SAN ANTONIO | FRESH | 215 | 215 | 215 | 215 | 215 | 215 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | KARNES | SAN ANTONIO | FRESH | 547 | 548 | 548 | 549 | 558 | 558 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | KENDALL | SAN ANTONIO | FRESH | 33 | 33 | 33 | 33 | 33 | 33 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | MEDINA | SAN ANTONIO | FRESH | 63 | 63 | 63 | 63 | 63 | 63 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | REFUGIO | SAN ANTONIO | FRESH | 16 | 16 | 16 | 16 | 16 | 16 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | VICTORIA | SAN ANTONIO | FRESH | 24 | 24 | 24 | 24 | 24 | 24 |

Source Availability

| REGION L | | | | | | | | | |
|--|---------------|--------------------|-----------------|---|------------------|------------------|------------------|------------------|------------------|
| SURFACE WATER | COUNTY | BASIN | SALINITY | SOURCE AVAILABILITY (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | WILSON | SAN ANTONIO | FRESH | 759 | 759 | 759 | 759 | 759 | 759 |
| SAN ANTONIO RUN-OF-RIVER | BEXAR | SAN ANTONIO | FRESH | 6,118 | 6,118 | 6,118 | 6,118 | 6,118 | 6,118 |
| SAN ANTONIO RUN-OF-RIVER | GOLIAD | SAN ANTONIO | FRESH | 2,425 | 2,425 | 2,425 | 2,425 | 2,425 | 2,425 |
| SAN ANTONIO RUN-OF-RIVER | KARNES | SAN ANTONIO | FRESH | 725 | 725 | 725 | 725 | 725 | 725 |
| SAN ANTONIO RUN-OF-RIVER | WILSON | SAN ANTONIO | FRESH | 1,770 | 1,770 | 1,770 | 1,770 | 1,770 | 1,770 |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY | CALHOUN | SAN ANTONIO-NUECES | FRESH | 16 | 16 | 16 | 16 | 16 | 16 |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY | GOLIAD | SAN ANTONIO-NUECES | FRESH | 209 | 209 | 209 | 209 | 209 | 209 |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY | KARNES | SAN ANTONIO-NUECES | FRESH | 10 | 10 | 10 | 10 | 10 | 10 |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY | REFUGIO | SAN ANTONIO-NUECES | FRESH | 302 | 302 | 302 | 302 | 302 | 302 |
| VICTOR BRAUNIG LAKE/RESERVOIR | RESERVOIR | SAN ANTONIO | FRESH | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 |
| SURFACE WATER TOTAL SOURCE AVAILABILITY | | | | 275,049 | 274,910 | 274,771 | 274,632 | 274,502 | 274,362 |
| | | | | | | | | | |
| REGION L TOTAL SOURCE AVAILABILITY | | | | 1,277,338 | 1,290,075 | 1,302,623 | 1,303,754 | 1,305,246 | 1,305,106 |

Recommended Projects Associated with Water Management Strategies

Project Sponosr Region: L

| Sponsor Name | Is Sponsor a WWP? | Project Name | Project Description | Capital Cost | Online Decade |
|--|-------------------|---|--|-----------------|---------------|
| ATASCOSA RURAL WSC | N | FACILITIES EXPANSIONS - ATASCOSA RURAL WSC | CONVEYANCE/TRANSMISSION PIPELINE | \$80,855,000 | 2020 |
| BENTON CITY WSC | N | LOCAL CARRIZO AQUIFER - BENTON CITY WSC | MULTIPLE WELLS/WELL FIELD | \$659,000 | 2070 |
| BOERNE | N | LOCAL TRINITY AQUIFER - BOERNE | MULTIPLE WELLS/WELL FIELD | \$7,367,000 | 2040 |
| CANYON REGIONAL WATER AUTHORITY | Y | BRACKISH WILCOX GROUNDWATER FOR CRWA | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK | \$62,787,000 | 2030 |
| CANYON REGIONAL WATER AUTHORITY | Y | CRWA SIESTA PROJECT | CONVEYANCE/TRANSMISSION PIPELINE; NEW SURFACE WATER INTAKE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK | \$68,798,000 | 2030 |
| CANYON REGIONAL WATER AUTHORITY | Y | CRWA WELLS RANCH PROJECT PHASE II | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; NEW WATER TREATMENT PLANT | \$37,292,000 | 2020 |
| CASTROVILLE | N | LOCAL LEONA GRAVEL AQUIFER - CASTROVILLE | MULTIPLE WELLS/WELL FIELD | \$3,528,000 | 2020 |
| CIBOLO VALLEY LOCAL GOVERNMENT CORPORATION | Y | CIBOLO VALLEY LCG CARRIZO PROJECT | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK | \$69,382,000 | 2020 |
| COTULLA | N | LOCAL CARRIZO AQUIFER DEVELOPMENT - COTULLA | MULTIPLE WELLS/WELL FIELD | \$2,250,000 | 2030 |
| COUNTY-OTHER, DIMMIT | N | IRRIGATION SURFACE WATER RIGHT CONVERSION - DIMMIT CO | CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK | \$7,068,000 | 2020 |
| COUNTY-OTHER, HAYS | N | HAYS COUNTY FACILITIES EXPANSION | CONVEYANCE/TRANSMISSION PIPELINE | \$31,442,880 | 2020 |
| COUNTY-OTHER, LA SALLE | N | LOCAL CARRIZO AQUIFER - LA SALLE CO | MULTIPLE WELLS/WELL FIELD | \$3,525,000 | 2020 |
| EAST MEDINA COUNTY SUD | N | LOCAL LEONA GRAVEL AQUIFER - EAST MEDINA SUD | MULTIPLE WELLS/WELL FIELD | \$1,737,000 | 2060 |
| FLORESVILLE | N | LOCAL CARRIZO AQUIFER - FLORESVILLE | MULTIPLE WELLS/WELL FIELD | \$4,268,000 | 2020 |
| GARDEN RIDGE | N | LOCAL TRINITY AQUIFER - GARDEN RIDGE | MULTIPLE WELLS/WELL FIELD | \$12,186,000 | 2020 |
| GONZALES | N | LOCAL CARRIZO AQUIFER - GONZALES | MULTIPLE WELLS/WELL FIELD | \$2,002,000 | 2050 |
| GONZALES COUNTY WSC | N | LOCAL CARRIZO AQUIFER - GONZALES COUNTY WSC | MULTIPLE WELLS/WELL FIELD | \$1,057,000 | 2050 |
| GUADALUPE BLANCO RIVER AUTHORITY | Y | GBRA LOWER BASIN STORAGE | NEW SURFACE WATER INTAKE; NEW WATER RIGHT/PERMIT; RESERVOIR CONSTRUCTION | \$90,543,000 | 2020 |
| GUADALUPE BLANCO RIVER AUTHORITY | Y | GBRA NEW APPROPRIATION (LOWER BASIN) | CONVEYANCE/TRANSMISSION PIPELINE; NEW SURFACE WATER INTAKE; PUMP STATION; RESERVOIR CONSTRUCTION | \$298,355,000 | 2050 |
| GUADALUPE BLANCO RIVER AUTHORITY | Y | INTEGRATED WATER-POWER PROJECT | CONVEYANCE/TRANSMISSION PIPELINE; NEW SURFACE WATER INTAKE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK | \$1,600,885,000 | 2020 |
| GUADALUPE BLANCO RIVER AUTHORITY | Y | MID-BASIN WATER SUPPLY PROJECT | CONVEYANCE/TRANSMISSION PIPELINE; NEW SURFACE WATER INTAKE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK | \$736,381,000 | 2020 |
| GUADALUPE BLANCO RIVER AUTHORITY | Y | VICTORIA COUNTY STEAM-ELECTRIC PROJECT | NEW SURFACE WATER INTAKE; PUMP STATION; STORAGE TANK | \$359,338,000 | 2050 |
| GUADALUPE BLANCO RIVER AUTHORITY | Y | WESTERN CANYON WTP EXPANSION | WATER TREATMENT PLANT EXPANSION | \$13,528,000 | 2020 |
| HAYS CALDWELL PUA | Y | HAYS/CALDWELL PUA PROJECT | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK | \$309,723,000 | 2020 |
| IRRIGATION, DEWITT | N | LOCAL GULF COAST AQUIFER - DEWITT IRRIGATION | MULTIPLE WELLS/WELL FIELD | \$100,000 | 2020 |
| KARNES CITY | N | LOCAL YEGUA JACKSON AQUIFER DEVELOPMENT - KARNES CITY | MULTIPLE WELLS/WELL FIELD | \$3,235,000 | 2020 |
| KENEDY | N | LOCAL GULF COAST AQUIFER - KENEDY | MULTIPLE WELLS/WELL FIELD | \$3,172,000 | 2020 |

Recommended Projects Associated with Water Management Strategies

| Sponsor Name | Is Sponsor a WWP? | Project Name | Project Description | Capital Cost | Online Decade |
|---|-------------------|---|--|-----------------|---------------|
| KYLE | N | REUSE - KYLE | CONVEYANCE/TRANSMISSION PIPELINE; PUMP STATION; STORAGE TANK | \$37,074,649 | 2020 |
| LACOSTE | N | LOCAL LEONA GRAVEL AQUIFER - LA COSTE | MULTIPLE WELLS/WELL FIELD | \$1,710,000 | 2020 |
| MINING, DEWITT | N | LOCAL GULF COAST AQUIFER - DEWITT MINING | MULTIPLE WELLS/WELL FIELD | \$113,000 | 2020 |
| MOUNTAIN CITY | N | LOCAL TRINITY AQUIFER - MOUNTAIN CITY | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; STORAGE TANK | \$731,000 | 2020 |
| NATALIA | N | LOCAL LEONA GRAVEL AQUIFER - NATALIA | MULTIPLE WELLS/WELL FIELD | \$3,418,000 | 2020 |
| NEW BRAUNFELS | N | NEW BRAUNFELS UTILITIES - TRINITY DEVELOPMENT | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; PUMP STATION; STORAGE TANK | \$18,990,000 | 2030 |
| NEW BRAUNFELS | N | NEW BRAUNFELS UTILITIES ASR | CONVEYANCE/TRANSMISSION PIPELINE; INJECTION WELL; MULTIPLE WELLS/WELL FIELD; PUMP STATION; STORAGE TANK | \$26,269,000 | 2020 |
| NEW BRAUNFELS | N | REUSE - NEW BRAUNFELS | CONVEYANCE/TRANSMISSION PIPELINE; PUMP STATION; STORAGE TANK | \$67,289,580 | 2020 |
| PEARSALL | N | LOCAL CARRIZO AQUIFER - PEARSALL | MULTIPLE WELLS/WELL FIELD | \$1,047,000 | 2070 |
| PLUM CREEK WATER COMPANY | N | LOCAL TRINITY AQUIFER - PLUM CREEK WC | MULTIPLE WELLS/WELL FIELD | \$1,062,000 | 2030 |
| POLONIA WSC | N | LOCAL CARRIZO AQUIFER - POLONIA WSC | MULTIPLE WELLS/WELL FIELD | \$1,683,000 | 2050 |
| S S WSC | N | BRACKISH WILCOX GROUNDWATER FOR SS WSC | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK | \$16,864,000 | 2070 |
| SAN ANTONIO WATER SYSTEM | Y | BRACKISH WILCOX GROUNDWATER FOR SAWS | CONVEYANCE/TRANSMISSION PIPELINE; INJECTION WELL; MULTIPLE WELLS/WELL FIELD; NEW WATER TREATMENT PLANT; PUMP STATION | \$53,162,000 | 2020 |
| SAN ANTONIO WATER SYSTEM | Y | CPS DIRECT RECYCLE PIPELINE | CONVEYANCE/TRANSMISSION PIPELINE | \$30,000,000 | 2020 |
| SAN ANTONIO WATER SYSTEM | Y | EXPANDED BRACKISH WILCOX PROJECT - SAWS | CONVEYANCE/TRANSMISSION PIPELINE; INJECTION WELL; MULTIPLE WELLS/WELL FIELD; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK | \$723,175,000 | 2020 |
| SAN ANTONIO WATER SYSTEM | Y | EXPANDED LOCAL CARRIZO FOR SAWS | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; NEW WATER TREATMENT PLANT | \$19,332,000 | 2020 |
| SAN ANTONIO WATER SYSTEM | Y | MEDINA LAKE OPTIMIZATION | WATER TREATMENT PLANT EXPANSION | \$4,100,000 | 2020 |
| SAN ANTONIO WATER SYSTEM | Y | RECYCLED WATER PROGRAM - SAWS | CONVEYANCE/TRANSMISSION PIPELINE; PUMP STATION; STORAGE TANK | \$170,830,000 | 2020 |
| SAN ANTONIO WATER SYSTEM | Y | SAWS VISTA RIDGE INTEGRATION | CONVEYANCE/TRANSMISSION PIPELINE | \$155,000,000 | 2020 |
| SAN ANTONIO WATER SYSTEM | Y | SAWS WATER RESOURCES INTEGRATED PIPELINE | CONVEYANCE/TRANSMISSION PIPELINE; PUMP STATION; STORAGE TANK | \$205,000,000 | 2020 |
| SAN ANTONIO WATER SYSTEM | Y | SEAWATER DESALINATION - SAWS | CONVEYANCE/TRANSMISSION PIPELINE; NEW SURFACE WATER INTAKE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK | \$1,590,590,000 | 2050 |
| SAN ANTONIO WATER SYSTEM | Y | VISTA RIDGE PROJECT - SAWS | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; NEW WATER TREATMENT PLANT; PUMP STATION | \$571,958,000 | 2020 |
| SAN MARCOS | Y | REUSE - SAN MARCOS | CONVEYANCE/TRANSMISSION PIPELINE; PUMP STATION; STORAGE TANK | \$86,664,302 | 2020 |
| SCHERTZ-SEGUIN LOCAL GOVERNMENT CORPORATION | Y | BRACKISH WILCOX GROUNDWATER FOR SSLGC | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK | \$54,133,000 | 2020 |
| SCHERTZ-SEGUIN LOCAL GOVERNMENT CORPORATION | Y | REGIONAL CARRIZO FOR SSLGC PROJECT EXPANSION | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK | \$54,359,000 | 2020 |
| SUNKO WSC | N | LOCAL CARRIZO AQUIFER - SUNKO WSC | MULTIPLE WELLS/WELL FIELD | \$862,000 | 2070 |
| TEXAS WATER ALLIANCE | Y | TWA REGIONAL CARRIZO | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK | \$279,632,000 | 2020 |

Recommended Projects Associated with Water Management Strategies

| Sponsor Name | Is Sponsor a WWP? | Project Name | Project Description | Capital Cost | Online Decade |
|--|-------------------|---|--|------------------------|---------------|
| TEXAS WATER ALLIANCE | Y | TWA TRINITY AQUIFER DEVELOPMENT | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK | \$26,087,000 | 2030 |
| UVALDE | N | UVALDE ASR | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; PUMP STATION; STORAGE TANK | \$32,405,000 | 2020 |
| VICTORIA | N | VICTORIA ASR | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; PUMP STATION | \$21,100,000 | 2030 |
| WIMBERLEY | N | HAYS COUNTY FACILITIES EXPANSION | CONVEYANCE/TRANSMISSION PIPELINE | \$2,620,240 | 2020 |
| WIMBERLEY WSC | N | HAYS COUNTY FACILITIES EXPANSION | CONVEYANCE/TRANSMISSION PIPELINE | \$3,368,880 | 2020 |
| YANCEY WSC | N | LOCAL LEONA GRAVEL AQUIFER - YANCEY WSC | MULTIPLE WELLS/WELL FIELD | \$4,278,000 | 2020 |
| Region L Total Recommended Capital Cost | | | | \$8,076,371,531 | |

*Projects with a capital cost of zero are excluded from the report list.

Recommended Water User Group (WUG) Water Management Strategies (WMS)

WUG Entity Primary Region: L

Water Management Strategy Supplies

| WUG Entity Name | WMS Sponsor Region | WMS Name | Source Name | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 | Unit Cost 2020 | Unit Cost 2070 |
|--|--------------------|--|--|-------|-------|-------|-------|-------|-------|----------------|----------------|
| ALAMO HEIGHTS | L | BRACKISH WILCOX GROUNDWATER FOR SAWS | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 796 | 848 | 820 | 807 | 805 | 805 | \$680 | \$611 |
| ALAMO HEIGHTS | L | DROUGHT MANAGEMENT - ALAMO HEIGHTS | DEMAND REDUCTION | 111 | 0 | 0 | 0 | 0 | 0 | \$791 | N/A |
| ALAMO HEIGHTS | L | EDWARDS TRANSFERS | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 796 | 848 | 820 | 807 | 805 | 805 | \$226 | \$226 |
| ALAMO HEIGHTS | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 104 | 280 | 442 | 601 | 755 | 895 | \$681 | \$681 |
| ASHERTON | L | DROUGHT MANAGEMENT - ASHERTON | DEMAND REDUCTION | 17 | 0 | 0 | 0 | 0 | 0 | \$18 | N/A |
| ASHERTON | L | LOCAL CARRIZO AQUIFER DEVELOPMENT | L CARRIZO-WILCOX AQUIFER DIMMIT COUNTY | 0 | 0 | 0 | 0 | 0 | 0 | N/A | N/A |
| ASHERTON | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 82 | 101 | 118 | 123 | 65 | 72 | \$770 | \$770 |
| ATASCOSA RURAL WSC | L | BRACKISH WILCOX GROUNDWATER FOR SAWS | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 1,167 | 1,446 | 1,708 | 1,970 | 2,218 | 2,448 | \$680 | \$611 |
| ATASCOSA RURAL WSC | L | DROUGHT MANAGEMENT - ATASCOSA RURAL WSC | DEMAND REDUCTION | 80 | 0 | 0 | 0 | 0 | 0 | \$520 | N/A |
| ATASCOSA RURAL WSC | L | EDWARDS TRANSFERS | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 1,167 | 1,146 | 1,708 | 1,970 | 2,218 | 2,448 | \$226 | \$226 |
| ATASCOSA RURAL WSC | L | FACILITIES EXPANSIONS - ATASCOSA RURAL WSC | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 0 | 0 | 0 | 0 | 0 | 0 | N/A | N/A |
| ATASCOSA RURAL WSC | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 55 | N/A | \$770 |
| BALCONES HEIGHTS | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 12 | 32 | N/A | \$681 |
| BENTON CITY WSC | L | LOCAL CARRIZO AQUIFER DEVELOPMENT | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 0 | 0 | 0 | 0 | 0 | 80 | N/A | \$3520 |
| BENTON CITY WSC | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 57 | N/A | \$770 |
| BIG WELLS | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 41 | 38 | 33 | 31 | 8 | 11 | \$770 | \$770 |
| BOERNE | L | LOCAL TRINITY AQUIFER DEVELOPMENT | L TRINITY AQUIFER KENDALL COUNTY | 0 | 0 | 0 | 1,000 | 1,000 | 1,000 | N/A | \$1019 |
| BOERNE | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 136 | 484 | 985 | 1,513 | 1,888 | 2,294 | \$770 | \$770 |
| BOERNE | L | WESTERN CANYON EXPANSION | L CANYON LAKE/RESERVOIR | 0 | 0 | 0 | 0 | 639 | 1,613 | N/A | \$344 |
| BULVERDE | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 0 | 0 | 0 | 1 | 32 | 71 | N/A | \$681 |
| CANYON LAKE WATER SERVICE COMPANY | K | DROUGHT MANAGEMENT | DEMAND REDUCTION | 19 | 23 | 24 | 25 | 26 | 27 | \$50 | \$50 |
| CANYON LAKE WATER SERVICE COMPANY | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 0 | 0 | 0 | 75 | 321 | 638 | N/A | \$770 |
| CANYON LAKE WATER SERVICE COMPANY | L | TWA REGIONAL CARRIZO AQUIFER DEVELOPMENT | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 0 | 671 | 2,373 | 4,095 | 5,814 | 7,468 | N/A | \$704 |
| CANYON REGIONAL WATER AUTHORITY - UNASSIGNED WATER VOLUMES | L | BRACKISH WILCOX GROUNDWATER FOR CRWA | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 0 | 0 | 0 | 485 | 3,399 | 2,579 | N/A | \$1137 |
| CANYON REGIONAL WATER AUTHORITY - UNASSIGNED WATER VOLUMES | L | CRWA SIESTA PROJECT | L DIRECT REUSE | 0 | 2,809 | 2,774 | 2,445 | 2,809 | 0 | N/A | N/A |

Recommended Water User Group (WUG) Water Management Strategies (WMS)**Water Management Strategy Supplies**

| WUG Entity Name | WMS Sponsor Region | WMS Name | Source Name | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 | Unit Cost 2020 | Unit Cost 2070 |
|---|---------------------------|--|---|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|-----------------------|
| CANYON REGIONAL WATER AUTHORITY - UNASSIGNED WATER VOLUMES | L | CRWA SIESTA PROJECT | L SAN ANTONIO RUN-OF-RIVER | 0 | 2,233 | 2,190 | 1,936 | 2,233 | 0 | N/A | N/A |
| CANYON REGIONAL WATER AUTHORITY - UNASSIGNED WATER VOLUMES | L | CRWA WELLS RANCH PROJECT PHASE II | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 1,614 | 227 | 1,677 | 0 | 0 | 0 | \$800 | N/A |
| CANYON REGIONAL WATER AUTHORITY - UNASSIGNED WATER VOLUMES | L | HAYS/CALDWELL PUA PROJECT | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 0 | 0 | 0 | 809 | 753 | 518 | N/A | \$690 |
| CARRIZO SPRINGS | L | DROUGHT MANAGEMENT - CARRIZO SPRINGS | DEMAND REDUCTION | 114 | 0 | 0 | 0 | 0 | 0 | \$1205 | N/A |
| CARRIZO SPRINGS | L | LOCAL CARRIZO AQUIFER DEVELOPMENT | L CARRIZO-WILCOX AQUIFER DIMMIT COUNTY | 0 | 0 | 0 | 0 | 0 | 0 | N/A | N/A |
| CARRIZO SPRINGS | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 579 | 715 | 809 | 939 | 629 | 765 | \$770 | \$770 |
| CASTROVILLE | L | DROUGHT MANAGEMENT - CASTROVILLE | DEMAND REDUCTION | 40 | 0 | 0 | 0 | 0 | 0 | \$226 | N/A |
| CASTROVILLE | L | EDWARDS TRANSFERS | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 224 | 217 | 210 | 208 | 211 | 214 | \$226 | \$226 |
| CASTROVILLE | L | LOCAL LEONA GRAVEL AQUIFER DEVELOPMENT | L LEONA GRAVEL AQUIFER MEDINA COUNTY | 225 | 225 | 225 | 225 | 225 | 225 | \$2862 | \$1551 |
| CASTROVILLE | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 44 | 104 | 159 | 214 | 268 | 319 | \$770 | \$770 |
| CHARLOTTE | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 9 | 28 | 33 | 44 | 58 | 74 | \$770 | \$770 |
| CHINA GROVE | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 13 | 40 | 71 | 107 | 138 | 155 | \$681 | \$681 |
| CIBOLO | L | CIBOLO VALLEY LGC CARRIZO PROJECT | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 0 | 0 | 1,118 | 4,740 | 5,196 | 5,196 | N/A | \$1217 |
| CIBOLO | L | CIBOLO VALLEY LGC CARRIZO PROJECT (DEMAND REDUCTION) | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 0 | 2,116 | 2,323 | 0 | 0 | 0 | N/A | N/A |
| CIBOLO | L | CRWA WELLS RANCH PROJECT PHASE II | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 0 | 0 | 0 | 0 | 261 | 2,172 | N/A | \$743 |
| CIBOLO | L | DROUGHT MANAGEMENT - CIBOLO | DEMAND REDUCTION | 267 | 0 | 0 | 0 | 0 | 0 | \$595 | N/A |
| CIBOLO | L | HAYS/CALDWELL PUA PROJECT | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 1,781 | 1,781 | 1,781 | 1,781 | 1,781 | 1,781 | \$1167 | \$743 |
| CIBOLO | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 0 | 0 | 48 | 297 | 609 | 975 | N/A | \$681 |
| CIBOLO VALLEY LOCAL GOVERNMENT CORPORATION - UNASSIGNED WATER VOLUMES | L | CIBOLO VALLEY LGC CARRIZO PROJECT | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 3,512 | 4,851 | 6,559 | 5,260 | 2,569 | 0 | \$1834 | N/A |
| CIBOLO VALLEY LOCAL GOVERNMENT CORPORATION - UNASSIGNED WATER VOLUMES | L | CIBOLO VALLEY LGC CARRIZO PROJECT (DEMAND REDUCTION) | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 6,488 | 3,033 | 0 | 0 | 0 | 0 | \$1834 | N/A |
| CONVERSE | L | DROUGHT MANAGEMENT - CONVERSE | DEMAND REDUCTION | 127 | 0 | 0 | 0 | 0 | 0 | \$1032 | N/A |
| CONVERSE | L | EDWARDS TRANSFERS | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 903 | 1,111 | 1,297 | 1,272 | 1,265 | 1,264 | \$226 | \$226 |
| CONVERSE | L | HAYS/CALDWELL PUA PROJECT | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 903 | 1,111 | 1,297 | 1,272 | 1,265 | 1,264 | \$1167 | \$743 |
| CONVERSE | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 9 | N/A | \$681 |

Recommended Water User Group (WUG) Water Management Strategies (WMS)**Water Management Strategy Supplies**

| WUG Entity Name | WMS Sponsor Region | WMS Name | Source Name | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 | Unit Cost 2020 | Unit Cost 2070 |
|-------------------------|---------------------------|---|---|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|-----------------------|
| COTULLA | L | LOCAL CARRIZO AQUIFER WITH CONVERSION | L CARRIZO-WILCOX AQUIFER LA SALLE COUNTY | 0 | 16 | 155 | 323 | 323 | 323 | N/A | \$326 |
| COTULLA | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 531 | 666 | 798 | 972 | 577 | 721 | \$770 | \$770 |
| COUNTY LINE WSC | L | BRACKISH WILCOX GROUNDWATER FOR CRWA | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 0 | 0 | 0 | 251 | 440 | 641 | N/A | \$743 |
| COUNTY LINE WSC | L | CRWA SIESTA PROJECT | L DIRECT REUSE | 0 | 0 | 35 | 0 | 0 | 0 | N/A | N/A |
| COUNTY LINE WSC | L | CRWA SIESTA PROJECT | L SAN ANTONIO RUN-OF-RIVER | 0 | 0 | 43 | 0 | 0 | 0 | N/A | N/A |
| COUNTY LINE WSC | L | REUSE - KYLE/COUNTY LINE WSC | L DIRECT REUSE | 50 | 50 | 50 | 50 | 50 | 50 | \$710 | \$710 |
| COUNTY-OTHER, BEXAR | L | BRACKISH WILCOX GROUNDWATER FOR SAWS | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 0 | 0 | 0 | 1,898 | 2,113 | 1,823 | N/A | \$611 |
| COUNTY-OTHER, BEXAR | L | EXPANDED LOCAL CARRIZO FOR SAWS | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 0 | 0 | 0 | 0 | 1,969 | 4,225 | N/A | \$611 |
| COUNTY-OTHER, BEXAR | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 223 | 749 | 1,281 | 1,807 | 2,419 | 3,088 | \$0 | \$770 |
| COUNTY-OTHER, CALDWELL | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 2 | N/A | \$770 |
| COUNTY-OTHER, DEWITT | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 40 | 0 | 0 | 0 | 0 | 0 | \$770 | N/A |
| COUNTY-OTHER, DIMMIT | L | IRRIGATION SURFACE WATER RIGHT CONVERSION - DIMMIT CO | L NUECES RUN-OF-RIVER | 297 | 326 | 340 | 362 | 171 | 184 | \$2876 | \$1244 |
| COUNTY-OTHER, DIMMIT | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 109 | 99 | 77 | 64 | 0 | 5 | \$770 | \$770 |
| COUNTY-OTHER, FRIO | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 2 | N/A | \$770 |
| COUNTY-OTHER, GOLIAD | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 221 | 232 | 213 | 161 | 0 | 0 | \$770 | N/A |
| COUNTY-OTHER, GUADALUPE | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 27 | 79 | N/A | \$770 |
| COUNTY-OTHER, KARNES | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 7 | 16 | 15 | 17 | 15 | 29 | \$770 | \$770 |
| COUNTY-OTHER, KENDALL | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 13 | N/A | \$770 |
| COUNTY-OTHER, LA SALLE | L | LOCAL CARRIZO AQUIFER WITH CONVERSION | L CARRIZO-WILCOX AQUIFER LA SALLE COUNTY | 22 | 56 | 90 | 133 | 133 | 133 | \$1569 | \$677 |
| COUNTY-OTHER, LA SALLE | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 107 | 104 | 100 | 107 | 0 | 5 | \$770 | \$770 |
| COUNTY-OTHER, MEDINA | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 27 | N/A | \$770 |
| COUNTY-OTHER, REFUGIO | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 58 | 5 | 0 | 0 | 0 | 0 | \$770 | N/A |
| COUNTY-OTHER, WILSON | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 4 | 73 | N/A | \$770 |
| COUNTY-OTHER, ZAVALA | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 10 | 23 | 37 | 55 | 75 | 98 | \$770 | \$770 |
| CRYSTAL CITY | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 60 | 197 | 354 | 497 | 573 | 654 | \$770 | \$770 |
| CRYSTAL CLEAR WSC | L | CRWA WELLS RANCH PROJECT PHASE II | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 302 | 1,069 | 1,290 | 0 | 0 | 0 | \$1167 | N/A |
| CRYSTAL CLEAR WSC | L | HAYS/CALDWELL PUA PROJECT | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 498 | 1,211 | 990 | 2,280 | 2,280 | 2,280 | \$1167 | \$743 |
| CRYSTAL CLEAR WSC | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 82 | N/A | \$770 |
| CUERO | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 270 | 333 | 381 | 452 | 656 | 767 | \$770 | \$770 |
| DEVINE | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 4 | N/A | \$770 |

Recommended Water User Group (WUG) Water Management Strategies (WMS)**Water Management Strategy Supplies**

| WUG Entity Name | WMS Sponsor Region | WMS Name | Source Name | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 | Unit Cost 2020 | Unit Cost 2070 |
|---|---------------------------|---|---|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|-----------------------|
| DILLEY | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 48 | 136 | 233 | 341 | 425 | 470 | \$770 | \$770 |
| EAST CENTRAL SUD | L | HAYS/CALDWELL PUA PROJECT | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 0 | 500 | 500 | 500 | 525 | 724 | N/A | \$743 |
| EAST MEDINA COUNTY SUD | L | EDWARDS TRANSFERS | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 0 | 0 | 0 | 0 | 11 | 70 | N/A | \$226 |
| EAST MEDINA COUNTY SUD | L | LOCAL LEONA GRAVEL AQUIFER DEVELOPMENT | L LEONA GRAVEL AQUIFER MEDINA COUNTY | 0 | 0 | 0 | 0 | 75 | 75 | N/A | \$4480 |
| EL OSO WSC | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 69 | 131 | 176 | 186 | 168 | 178 | \$770 | \$770 |
| ELMENDORF | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 0 | 0 | 0 | 2 | 17 | 35 | N/A | \$681 |
| ENCINAL | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 58 | 72 | 86 | 107 | 58 | 63 | \$770 | \$770 |
| FAIR OAKS RANCH | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 116 | 331 | 580 | 822 | 1,127 | 1,407 | \$681 | \$681 |
| FALLS CITY | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 10 | 22 | 30 | 38 | 40 | 43 | \$770 | \$770 |
| FLORESVILLE | L | LOCAL CARRIZO AQUIFER DEVELOPMENT | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 0 | 1,450 | 1,450 | 1,450 | 1,450 | 1,450 | N/A | \$119 |
| FLORESVILLE | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 80 | 272 | 525 | 823 | 1,122 | 1,288 | \$770 | \$770 |
| GARDEN RIDGE | L | DROUGHT MANAGEMENT - GARDEN RIDGE | DEMAND REDUCTION | 83 | 0 | 0 | 0 | 0 | 0 | \$291 | N/A |
| GARDEN RIDGE | L | LOCAL TRINITY AQUIFER DEVELOPMENT | L TRINITY AQUIFER COMAL COUNTY | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | \$673 | \$163 |
| GARDEN RIDGE | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 101 | 319 | 625 | 1,008 | 1,453 | 1,941 | \$681 | \$681 |
| GARDEN RIDGE | L | REGIONAL CARRIZO FOR SSLGC PROJECT EXPANSION | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 150 | 150 | 150 | 150 | 150 | 150 | \$1101 | \$566 |
| GOFORTH SUD | K | DROUGHT MANAGEMENT | DEMAND REDUCTION | 23 | 36 | 49 | 67 | 87 | 110 | \$50 | \$50 |
| GOFORTH SUD | L | GBRA - MBWSP - SURFACE WATER W/ ASR (OPTION 3C) | L GUADALUPE RUN-OF-RIVER | 0 | 0 | 0 | 0 | 0 | 525 | N/A | \$596 |
| GOFORTH SUD | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 2 | N/A | \$770 |
| GOLIAD | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 174 | 228 | 264 | 254 | 120 | 133 | \$770 | \$770 |
| GONZALES | L | LOCAL CARRIZO AQUIFER DEVELOPMENT | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 0 | 0 | 0 | 310 | 310 | 310 | N/A | \$232 |
| GONZALES | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 183 | 318 | 475 | 695 | 901 | 1,035 | \$770 | \$770 |
| GONZALES COUNTY WSC | L | LOCAL CARRIZO AQUIFER DEVELOPMENT | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 0 | 0 | 0 | 75 | 75 | 75 | N/A | \$440 |
| GONZALES COUNTY WSC | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 281 | 425 | 620 | 839 | 895 | 1,140 | \$770 | \$770 |
| GREEN VALLEY SUD | L | BRACKISH WILCOX GROUNDWATER FOR CRWA | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 0 | 0 | 0 | 0 | 0 | 619 | N/A | \$743 |
| GREEN VALLEY SUD | L | CRWA SIESTA PROJECT | L DIRECT REUSE | 0 | 0 | 0 | 364 | 0 | 2,809 | N/A | \$743 |
| GREEN VALLEY SUD | L | CRWA SIESTA PROJECT | L SAN ANTONIO RUN-OF-RIVER | 0 | 0 | 0 | 297 | 0 | 2,233 | N/A | \$743 |
| GREEN VALLEY SUD | L | CRWA WELLS RANCH PROJECT PHASE II | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 3,490 | 4,490 | 4,490 | 7,814 | 7,585 | 5,602 | \$1167 | \$743 |
| GREEN VALLEY SUD | L | DROUGHT MANAGEMENT - GREEN VALLEY SUD | DEMAND REDUCTION | 91 | 0 | 0 | 0 | 0 | 0 | \$1930 | N/A |
| GUADALUPE BLANCO RIVER AUTHORITY - UNASSIGNED WATER VOLUMES | L | GBRA - MBWSP - SURFACE WATER W/ ASR (OPTION 3C) | L GUADALUPE RUN-OF-RIVER | 43,008 | 39,244 | 25,674 | 36,009 | 30,467 | 21,074 | \$1637 | \$405 |

Recommended Water User Group (WUG) Water Management Strategies (WMS)

Water Management Strategy Supplies

| WUG Entity Name | WMS Sponsor Region | WMS Name | Source Name | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 | Unit Cost 2020 | Unit Cost 2070 |
|---|--------------------|---|--|---------|---------|---------|---------|---------|---------|----------------|----------------|
| GUADALUPE BLANCO RIVER AUTHORITY - UNASSIGNED WATER VOLUMES | L | GBRA INTEGRATED WATER-POWER PROJECT | L GULF OF MEXICO SALINE | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | \$2393 | \$1053 |
| GUADALUPE BLANCO RIVER AUTHORITY - UNASSIGNED WATER VOLUMES | L | GBRA LOWER BASIN OFF-CHANNEL RESERVOIR | L GBRA LOWER BASIN OFF-CHANNEL LAKE/ RESERVOIR | 45,116 | 0 | 0 | 0 | 0 | 0 | \$140 | N/A |
| GUADALUPE BLANCO RIVER AUTHORITY - UNASSIGNED WATER VOLUMES | L | GBRA NEW APPROPRIATION (LOWER BASIN) | L GUADALUPE RUN-OF-RIVER | 0 | 0 | 0 | 36,774 | 12,005 | 4,778 | N/A | \$338 |
| HAYS CALDWELL PUA - UNASSIGNED WATER VOLUMES | L | HAYS/CALDWELL PUA PROJECT | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 7,118 | 9,018 | 7,565 | 10,335 | 7,737 | 4,415 | \$1664 | \$690 |
| HELOTES | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 67 | 132 | 195 | 276 | 370 | 476 | \$681 | \$681 |
| HILL COUNTRY VILLAGE | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 10 | 27 | 43 | 58 | 66 | 70 | \$681 | \$681 |
| HOLLYWOOD PARK | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 53 | 126 | 198 | 269 | 340 | 407 | \$681 | \$681 |
| HONDO | L | DROUGHT MANAGEMENT - HONDO | DEMAND REDUCTION | 103 | 0 | 0 | 0 | 0 | 0 | \$653 | N/A |
| HONDO | L | EDWARDS TRANSFERS | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 523 | 680 | 816 | 943 | 1,068 | 1,180 | \$226 | \$226 |
| HONDO | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 87 | 258 | 446 | 593 | 669 | 747 | \$770 | \$770 |
| IRRIGATION, BEXAR | L | IRRIGATION WATER CONSERVATION | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 0 | N/A | N/A |
| IRRIGATION, CALHOUN | L | IRRIGATION WATER CONSERVATION | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 0 | N/A | N/A |
| IRRIGATION, DEWITT | L | LOCAL GULF COAST AQUIFER DEVELOPMENT | L GULF COAST AQUIFER DEWITT COUNTY | 75 | 75 | 75 | 75 | 75 | 75 | \$455 | \$250 |
| IRRIGATION, DIMMIT | L | IRRIGATION WATER CONSERVATION | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 0 | N/A | N/A |
| IRRIGATION, MEDINA | L | IRRIGATION WATER CONSERVATION | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 0 | N/A | N/A |
| IRRIGATION, UVALDE | L | IRRIGATION WATER CONSERVATION | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 0 | N/A | N/A |
| IRRIGATION, VICTORIA | L | IRRIGATION WATER CONSERVATION | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 0 | N/A | N/A |
| IRRIGATION, ZAVALA | L | IRRIGATION WATER CONSERVATION | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 0 | N/A | N/A |
| JOURDANTON | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 36 | 119 | 219 | 307 | 360 | 415 | \$770 | \$770 |
| KARNES CITY | L | DROUGHT MANAGEMENT - KARNES CITY | DEMAND REDUCTION | 31 | 0 | 0 | 0 | 0 | 0 | \$7533 | N/A |
| KARNES CITY | L | LOCAL YEGUA JACKSON AQUIFER DEVELOPMENT | L YEGUA-JACKSON AQUIFER KARNES COUNTY | 0 | 0 | 0 | 0 | 249 | 249 | N/A | \$326 |
| KARNES CITY | L | LOCAL YEGUA JACKSON AQUIFER WITH CONVERSION | L YEGUA-JACKSON AQUIFER KARNES COUNTY | 336 | 322 | 298 | 285 | 0 | 0 | \$1124 | N/A |
| KARNES CITY | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 48 | 95 | 108 | 107 | 100 | 112 | \$770 | \$770 |
| KENEDY | L | DROUGHT MANAGEMENT - KENEDY | DEMAND REDUCTION | 71 | 0 | 0 | 0 | 0 | 0 | \$61 | N/A |
| KENEDY | L | LOCAL GULF COAST AQUIFER DEVELOPMENT | L GULF COAST AQUIFER GOLIAD COUNTY | 190 | 190 | 190 | 190 | 190 | 190 | \$3111 | \$1716 |
| KENEDY | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 145 | 268 | 352 | 437 | 484 | 568 | \$770 | \$770 |
| KIRBY | L | BRACKISH WILCOX GROUNDWATER FOR SAWS | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 137 | 207 | 181 | 172 | 169 | 169 | \$680 | \$611 |
| KIRBY | L | DROUGHT MANAGEMENT - KIRBY | DEMAND REDUCTION | 47 | 0 | 0 | 0 | 0 | 0 | \$184 | N/A |

Recommended Water User Group (WUG) Water Management Strategies (WMS)**Water Management Strategy Supplies**

| WUG Entity Name | WMS Sponsor Region | WMS Name | Source Name | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 | Unit Cost 2020 | Unit Cost 2070 |
|--------------------------|---------------------------|---|--|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|-----------------------|
| KIRBY | L | EDWARDS TRANSFERS | L EDWARDS-BFZ AQUIFER UVALDE COUNTY | 137 | 207 | 181 | 172 | 169 | 169 | \$226 | \$226 |
| KYLE | L | HAYS/CALDWELL PUA PROJECT | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 0 | 1,163 | 2,616 | 2,602 | 2,591 | 2,598 | N/A | \$739 |
| KYLE | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 0 | 0 | 0 | 53 | 266 | 480 | N/A | \$681 |
| KYLE | L | REUSE - KYLE/COUNTY LINE WSC | L DIRECT REUSE | 2,329 | 3,591 | 4,318 | 4,284 | 4,172 | 4,063 | \$710 | \$710 |
| LA VERNIA | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 11 | 39 | 74 | 106 | 128 | 149 | \$770 | \$770 |
| LACOSTE | L | DROUGHT MANAGEMENT - LA COSTE | DEMAND REDUCTION | 6 | 0 | 0 | 0 | 0 | 0 | \$361 | N/A |
| LACOSTE | L | EDWARDS TRANSFERS | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 10 | 20 | 28 | 37 | 47 | 56 | \$226 | \$226 |
| LACOSTE | L | LOCAL LEONA GRAVEL AQUIFER DEVELOPMENT | L LEONA GRAVEL AQUIFER MEDINA COUNTY | 60 | 60 | 60 | 60 | 60 | 60 | \$5317 | \$2933 |
| LEON VALLEY | L | BRACKISH WILCOX GROUNDWATER FOR SAWS | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 97 | 147 | 196 | 254 | 317 | 377 | \$680 | \$611 |
| LEON VALLEY | L | DROUGHT MANAGEMENT - LEON VALLEY | DEMAND REDUCTION | 93 | 0 | 0 | 0 | 0 | 0 | \$2626 | N/A |
| LEON VALLEY | L | EDWARDS TRANSFERS | L EDWARDS-BFZ AQUIFER UVALDE COUNTY | 97 | 147 | 196 | 254 | 317 | 377 | \$226 | \$226 |
| LEON VALLEY | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 55 | 136 | 149 | 182 | 236 | 294 | \$681 | \$681 |
| LIVE OAK | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 94 | 276 | 297 | 333 | 385 | 440 | \$681 | \$681 |
| LOCKHART | L | DROUGHT MANAGEMENT - LOCKHART | DEMAND REDUCTION | 113 | 0 | 0 | 0 | 0 | 0 | \$264 | N/A |
| LOCKHART | L | GBRA - MBWSP - SURFACE WATER W/ ASR (OPTION 3C) | L GUADALUPE RUN-OF-RIVER | 1,120 | 1,120 | 1,120 | 1,484 | 1,947 | 2,402 | \$1627 | \$596 |
| LOCKHART | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 72 | N/A | \$681 |
| LULING | L | GBRA - MBWSP - SURFACE WATER W/ ASR (OPTION 3C) | L GUADALUPE RUN-OF-RIVER | 1,680 | 1,680 | 1,680 | 1,680 | 1,684 | 1,875 | \$1627 | \$596 |
| LULING | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 3 | N/A | \$770 |
| LYTLE | L | DROUGHT MANAGEMENT - LYTLE | DEMAND REDUCTION | 9 | 0 | 0 | 0 | 0 | 0 | \$147 | N/A |
| LYTLE | L | EDWARDS TRANSFERS | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 171 | 257 | 333 | 409 | 484 | 554 | \$226 | \$226 |
| LYTLE | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 18 | 69 | 120 | 144 | 174 | 207 | \$681 | \$681 |
| MANUFACTURING, BEXAR | L | DIRECT RECYCLED WATER PROGRAMS - SAWS | L DIRECT REUSE | 0 | 0 | 0 | 0 | 1,058 | 3,680 | N/A | \$611 |
| MANUFACTURING, CALHOUN | L | GBRA NEW APPROPRIATION (LOWER BASIN) | L GUADALUPE RUN-OF-RIVER | 0 | 0 | 0 | 2,161 | 6,993 | 11,174 | N/A | \$596 |
| MANUFACTURING, COMAL | L | GBRA - MBWSP - SURFACE WATER W/ ASR (OPTION 3C) | L GUADALUPE RUN-OF-RIVER | 4,130 | 4,881 | 5,612 | 6,239 | 7,120 | 8,074 | \$1627 | \$596 |
| MANUFACTURING, GUADALUPE | L | GBRA - MBWSP - SURFACE WATER W/ ASR (OPTION 3C) | L GUADALUPE RUN-OF-RIVER | 0 | 0 | 0 | 163 | 494 | 854 | N/A | \$596 |
| MANUFACTURING, VICTORIA | L | GBRA LOWER BASIN OFF-CHANNEL RESERVOIR | L GBRA LOWER BASIN OFF-CHANNEL LAKE/ RESERVOIR | 2,178 | 5,016 | 7,841 | 10,366 | 13,206 | 16,252 | \$1627 | \$596 |
| MARTINDALE | L | DROUGHT MANAGEMENT - MARTINDALE | DEMAND REDUCTION | 9 | 0 | 0 | 0 | 0 | 0 | \$16444 | N/A |
| MARTINDALE | L | HAYS/CALDWELL PUA PROJECT | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 0 | 31 | 66 | 102 | 140 | 177 | N/A | \$743 |
| MARTINDALE | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 1 | N/A | \$770 |

Recommended Water User Group (WUG) Water Management Strategies (WMS)

Water Management Strategy Supplies

| WUG Entity Name | WMS Sponsor Region | WMS Name | Source Name | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 | Unit Cost 2020 | Unit Cost 2070 |
|--------------------------|--------------------|---|---|-------|-------|-------|-------|--------|--------|----------------|----------------|
| MINING, DEWITT | L | LOCAL GULF COAST AQUIFER DEVELOPMENT | L GULF COAST AQUIFER DEWITT COUNTY | 44 | 44 | 44 | 44 | 44 | 44 | \$455 | \$250 |
| MINING, DIMMIT | L | MINING WATER CONSERVATION | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 0 | N/A | N/A |
| MINING, KARNES | L | MINING WATER CONSERVATION | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 0 | N/A | N/A |
| MINING, LA SALLE | L | MINING WATER CONSERVATION | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 0 | N/A | N/A |
| MUSTANG RIDGE | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 1 | N/A | \$770 |
| NATALIA | L | DROUGHT MANAGEMENT - NATALIA | DEMAND REDUCTION | 14 | 0 | 0 | 0 | 0 | 0 | \$756 | N/A |
| NATALIA | L | EDWARDS TRANSFERS | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 101 | 129 | 153 | 176 | 199 | 220 | \$226 | \$226 |
| NATALIA | L | LOCAL LEONA GRAVEL AQUIFER DEVELOPMENT | L LEONA GRAVEL AQUIFER MEDINA COUNTY | 225 | 225 | 225 | 225 | 225 | 225 | \$2818 | \$1547 |
| NATALIA | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 8 | 22 | 26 | 32 | 42 | 54 | \$770 | \$770 |
| NEW BERLIN | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 4 | 6 | 9 | 13 | 19 | 24 | \$770 | \$770 |
| NEW BRAUNFELS | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 644 | 2,174 | 4,237 | 5,624 | 6,932 | 8,346 | \$681 | \$681 |
| NEW BRAUNFELS | L | NEW BRAUNFELS UTILITY - ASR | L TRINITY AND/OR BRACKISH EDWARDS AQUIFER ASR FRESH/BRACKISH COMAL COUNTY | 8,300 | 8,300 | 8,300 | 8,300 | 8,300 | 8,300 | \$462 | \$197 |
| NEW BRAUNFELS | L | NEW BRAUNFELS UTILITY - TRINITY DEVELOPMENT | L TRINITY AQUIFER COMAL COUNTY | 0 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | N/A | \$177 |
| NEW BRAUNFELS | L | REUSE - NEW BRAUNFELS | L DIRECT REUSE | 7,025 | 7,901 | 8,568 | 9,610 | 10,714 | 11,709 | \$481 | \$481 |
| NIEDERWALD | L | DROUGHT MANAGEMENT - NIEDERWALD | DEMAND REDUCTION | 4 | 0 | 0 | 0 | 0 | 0 | \$1451 | N/A |
| NIEDERWALD | L | GBRA - MBWSP - SURFACE WATER W/ ASR (OPTION 3C) | L GUADALUPE RUN-OF-RIVER | 62 | 81 | 105 | 134 | 166 | 203 | \$1627 | \$596 |
| NIXON | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 21 | 37 | N/A | \$770 |
| OAK HILLS WSC | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 30 | 72 | 100 | 139 | 189 | 244 | \$770 | \$770 |
| OLMOS PARK | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 21 | 68 | 123 | 188 | 215 | 244 | \$681 | \$681 |
| PEARSALL | L | LOCAL CARRIZO AQUIFER WITH CONVERSION | L CARRIZO-WILCOX AQUIFER FRIO COUNTY | 0 | 0 | 0 | 0 | 0 | 20 | N/A | \$5000 |
| PEARSALL | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 81 | 247 | 434 | 497 | 573 | 655 | \$681 | \$681 |
| PLEASANTON | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 89 | 289 | 531 | 795 | 926 | 1,062 | \$681 | \$681 |
| PLUM CREEK WATER COMPANY | K | DROUGHT MANAGEMENT | DEMAND REDUCTION | 8 | 13 | 14 | 15 | 16 | 16 | \$50 | \$50 |
| PLUM CREEK WATER COMPANY | L | HAYS/CALDWELL PUA PROJECT | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 0 | 185 | 185 | 185 | 185 | 185 | N/A | \$739 |
| PLUM CREEK WATER COMPANY | L | LOCAL TRINITY AQUIFER DEVELOPMENT | K TRINITY AQUIFER HAYS COUNTY | 0 | 185 | 185 | 185 | 185 | 185 | N/A | \$189 |
| POLONIA WSC | L | LOCAL CARRIZO AQUIFER WITH CONVERSION | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 0 | 0 | 0 | 146 | 341 | 541 | N/A | \$250 |
| POTH | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 7 | 9 | 14 | 27 | 44 | 65 | \$770 | \$770 |
| RANDOLPH AFB | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 3 | 5 | 9 | 13 | 17 | 21 | \$770 | \$770 |
| REFUGIO | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 157 | 147 | 112 | 69 | 109 | 120 | \$770 | \$770 |
| RUNGE | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 19 | 36 | 48 | 52 | 50 | 54 | \$770 | \$770 |

Recommended Water User Group (WUG) Water Management Strategies (WMS)**Water Management Strategy Supplies**

| WUG Entity Name | WMS Sponsor Region | WMS Name | Source Name | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 | Unit Cost 2020 | Unit Cost 2070 |
|---|---------------------------|---|--|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|-----------------------|
| SS WSC | L | BRACKISH WILCOX GROUNDWATER FOR SS WSC | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 0 | 0 | 0 | 0 | 0 | 234 | N/A | \$2554 |
| SS WSC | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 11 | 104 | N/A | \$770 |
| SABINAL | L | DROUGHT MANAGEMENT - SABINAL | DEMAND REDUCTION | 22 | 0 | 0 | 0 | 0 | 0 | \$369 | N/A |
| SABINAL | L | EDWARDS TRANSFERS | L EDWARDS-BFZ AQUIFER UVALDE COUNTY | 121 | 153 | 181 | 212 | 145 | 277 | \$226 | \$226 |
| SABINAL | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 20 | 57 | 97 | 141 | 184 | 204 | \$770 | \$770 |
| SABINAL | L | UVALDE ASR | L AUSTIN CHALK AQUIFER UVALDE COUNTY | 277 | 277 | 277 | 277 | 277 | 277 | \$1629 | \$372 |
| SAN ANTONIO | L | BRACKISH WILCOX GROUNDWATER FOR SAWS | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 3,425 | 2,974 | 2,717 | 521 | 0 | 0 | \$680 | N/A |
| SAN ANTONIO | L | DIRECT RECYCLED WATER PROGRAMS - SAWS | L DIRECT REUSE | 3,917 | 4,928 | 5,000 | 15,000 | 23,942 | 36,320 | \$680 | \$611 |
| SAN ANTONIO | L | DROUGHT MANAGEMENT - SAWS | DEMAND REDUCTION | 14,674 | 38,517 | 55,536 | 59,877 | 64,184 | 68,190 | \$357 | \$896 |
| SAN ANTONIO | L | EAHCP FOR SAWS | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 0 | 0 | 0 | 0 | 0 | 0 | N/A | N/A |
| SAN ANTONIO | L | EXPANDED LOCAL CARRIZO FOR SAWS | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 5,500 | 5,500 | 5,500 | 5,500 | 3,450 | 1,194 | \$680 | \$611 |
| SAN ANTONIO | L | MUNICIPAL WATER CONSERVATION (URBAN) | DEMAND REDUCTION | 15,974 | 10,704 | 6,901 | 14,670 | 30,587 | 43,092 | \$0 | \$600 |
| SAN ANTONIO | L | SAWS SEAWATER DESALINATION | L GULF OF MEXICO SALINE | 0 | 0 | 12,319 | 23,337 | 37,364 | 48,278 | N/A | \$611 |
| SAN ANTONIO | L | VISTA RIDGE PROJECT | G CARRIZO-WILCOX AQUIFER BURLESON COUNTY | 4,174 | 4,195 | 5,229 | 5,614 | 4,275 | 952 | \$680 | \$611 |
| SAN ANTONIO WATER SYSTEM | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 681 | N/A | \$0 |
| SAN ANTONIO WATER SYSTEM | L | REGIONAL CARRIZO FOR SSLGC PROJECT EXPANSION | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 1,337 | 4,700 | 0 | 0 | 0 | 0 | \$1101 | N/A |
| SAN ANTONIO WATER SYSTEM | L | SAWS SEAWATER DESALINATION | L GULF OF MEXICO SALINE | 0 | 0 | 5,700 | 5,700 | 5,700 | 5,700 | N/A | \$611 |
| SAN ANTONIO WATER SYSTEM | L | VISTA RIDGE PROJECT | G CARRIZO-WILCOX AQUIFER BURLESON COUNTY | 3,467 | 7,025 | 10,461 | 13,991 | 17,485 | 20,757 | \$680 | \$611 |
| SAN ANTONIO WATER SYSTEM - UNASSIGNED WATER VOLUMES | L | DIRECT RECYCLED WATER PROGRAMS - SAWS | L DIRECT REUSE | 1,083 | 72 | 0 | 0 | 0 | 0 | \$458 | N/A |
| SAN ANTONIO WATER SYSTEM - UNASSIGNED WATER VOLUMES | L | EXPANDED BRACKISH WILCOX PROJECT - SAWS | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 0 | 0 | 0 | 0 | 0 | 0 | N/A | N/A |
| SAN ANTONIO WATER SYSTEM - UNASSIGNED WATER VOLUMES | L | MEDINA LAKE OPTIMIZATION | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 0 | 0 | 0 | 0 | 0 | 0 | N/A | N/A |
| SAN ANTONIO WATER SYSTEM - UNASSIGNED WATER VOLUMES | L | SAWS ADVANCED METER INFRASTRUCTURE | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 0 | 0 | 0 | 0 | 0 | 0 | N/A | N/A |
| SAN ANTONIO WATER SYSTEM - UNASSIGNED WATER VOLUMES | L | SAWS SEAWATER DESALINATION | L GULF OF MEXICO SALINE | 0 | 0 | 66,004 | 54,986 | 40,959 | 30,045 | N/A | \$1129 |
| SAN ANTONIO WATER SYSTEM - UNASSIGNED WATER VOLUMES | L | SAWS WATER RESOURCES INTEGRATION PIPELINE | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 0 | 0 | 0 | 0 | 0 | 0 | N/A | N/A |
| SAN MARCOS | L | GBRA - MBWSP - SURFACE WATER W/ ASR (OPTION 3C) | L GUADALUPE RUN-OF-RIVER | 0 | 0 | 2,380 | 3,471 | 4,581 | 5,717 | N/A | \$596 |

Recommended Water User Group (WUG) Water Management Strategies (WMS)

Water Management Strategy Supplies

| WUG Entity Name | WMS Sponsor Region | WMS Name | Source Name | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 | Unit Cost 2020 | Unit Cost 2070 |
|--|--------------------|---|--|--------|--------|--------|--------|--------|--------|----------------|----------------|
| SAN MARCOS | L | HAYS/CALDWELL PUA PROJECT | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 0 | 0 | 0 | 1,965 | 4,576 | 7,891 | N/A | \$739 |
| SAN MARCOS | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 179 | 778 | 1,122 | 1,684 | 2,507 | 3,588 | \$681 | \$681 |
| SAN MARCOS | L | REUSE - SAN MARCOS | L DIRECT REUSE | 1,932 | 2,887 | 3,960 | 5,207 | 6,656 | 8,341 | \$869 | \$869 |
| SANTA CLARA | L | CRWA WELLS RANCH PROJECT PHASE II | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 0 | 0 | 0 | 15 | 35 | 55 | N/A | \$743 |
| SANTA CLARA | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 1 | N/A | \$770 |
| SCHERTZ | L | CIBOLO VALLEY LGC CARRIZO PROJECT | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 0 | 0 | 0 | 0 | 2,235 | 4,804 | N/A | \$1217 |
| SCHERTZ | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 240 | 370 | 614 | 957 | 1,406 | 1,935 | \$681 | \$681 |
| SCHERTZ | L | REGIONAL CARRIZO FOR SSLGC PROJECT EXPANSION | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 501 | 896 | 1,035 | 3,410 | 3,708 | 3,634 | \$1101 | \$566 |
| SCHERTZ-SEGUIN LOCAL GOVERNMENT CORPORATION - UNASSIGNED WATER VOLUMES | L | BRACKISH WILCOX GROUNDWATER FOR SSLGC | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 52 | 0 | 1,215 | 1,278 | 1,278 | 1,278 | \$5032 | \$1500 |
| SCHERTZ-SEGUIN LOCAL GOVERNMENT CORPORATION - UNASSIGNED WATER VOLUMES | L | REGIONAL CARRIZO FOR SSLGC PROJECT EXPANSION | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 4,096 | 307 | 4,839 | 2,410 | 2,039 | 2,039 | \$1070 | \$383 |
| SEADRIFT | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 6 | 14 | 16 | 22 | 31 | 41 | \$770 | \$770 |
| SEGUIN | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 0 | 0 | 0 | 65 | 257 | 494 | N/A | \$681 |
| SELMA | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 60 | 106 | 147 | 194 | 242 | 295 | \$681 | \$681 |
| SELMA | L | REGIONAL CARRIZO FOR SSLGC PROJECT EXPANSION | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 0 | 16 | 104 | 191 | 270 | 345 | N/A | \$566 |
| SHAVANO PARK | L | DROUGHT MANAGEMENT - SHAVANO PARK | DEMAND REDUCTION | 55 | 0 | 0 | 0 | 0 | 0 | \$257 | N/A |
| SHAVANO PARK | L | EDWARDS TRANSFERS | L EDWARDS-BFZ AQUIFER UVALDE COUNTY | 425 | 555 | 677 | 797 | 909 | 1,013 | \$226 | \$226 |
| SHAVANO PARK | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 67 | 174 | 296 | 429 | 567 | 709 | \$681 | \$681 |
| SMILEY | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 11 | 18 | 27 | 33 | 37 | 43 | \$770 | \$770 |
| ST. HEDWIG | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 3 | N/A | \$770 |
| STEAM ELECTRIC POWER, BEXAR | L | CPS DIRECT RECYCLE PIPELINE | L DIRECT REUSE | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | \$50 | \$10 |
| STEAM ELECTRIC POWER, VICTORIA | L | GBRA - MBWSP - SURFACE WATER W/ ASR (OPTION 3C) | L GUADALUPE RUN-OF-RIVER | 0 | 2,994 | 13,219 | 0 | 0 | 0 | N/A | N/A |
| STEAM ELECTRIC POWER, VICTORIA | L | GBRA LOWER BASIN OFF-CHANNEL RESERVOIR | L GBRA LOWER BASIN OFF-CHANNEL LAKE/ RESERVOIR | 4,506 | 26,784 | 23,959 | 21,434 | 18,594 | 15,548 | \$1627 | \$596 |
| STEAM ELECTRIC POWER, VICTORIA | L | GBRA NEW APPROPRIATION (LOWER BASIN) | L GUADALUPE RUN-OF-RIVER | 0 | 0 | 0 | 3,065 | 23,002 | 26,048 | N/A | \$596 |
| STEAM ELECTRIC POWER, VICTORIA | L | VICTORIA COUNTY STEAM ELECTRIC PROJECT | L GUADALUPE RUN-OF-RIVER | 0 | 0 | 0 | 29,100 | 29,100 | 29,100 | N/A | \$596 |
| STOCKDALE | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 13 | 49 | 97 | 141 | 168 | 197 | \$770 | \$770 |
| SUNKO WSC | L | LOCAL CARRIZO AQUIFER DEVELOPMENT | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 0 | 0 | 0 | 0 | 0 | 120 | N/A | \$800 |
| SUNKO WSC | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 83 | 107 | 145 | 153 | 112 | 154 | \$770 | \$770 |
| TERRELL HILLS | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 52 | 148 | 237 | 325 | 379 | 400 | \$681 | \$681 |

Recommended Water User Group (WUG) Water Management Strategies (WMS)**Water Management Strategy Supplies**

| WUG Entity Name | WMS Sponsor Region | WMS Name | Source Name | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 | Unit Cost 2020 | Unit Cost 2070 |
|---|---------------------------|---|--|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|-----------------------|
| TEXAS WATER ALLIANCE - UNASSIGNED WATER VOLUMES | L | TWA REGIONAL CARRIZO AQUIFER DEVELOPMENT | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 8,413 | 11,916 | 13,249 | 9,707 | 4,866 | 3,532 | \$2490 | \$880 |
| TEXAS WATER ALLIANCE - UNASSIGNED WATER VOLUMES | L | TWA TRINITY AQUIFER DEVELOPMENT | L TRINITY AQUIFER COMAL COUNTY | 0 | 500 | 500 | 500 | 5,000 | 3,491 | N/A | \$176 |
| THE OAKS WSC | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 15 | 42 | 54 | 71 | 90 | 111 | \$770 | \$770 |
| THE OAKS WSC | L | VISTA RIDGE PROJECT | G CARRIZO-WILCOX AQUIFER BURLESON COUNTY | 0 | 0 | 1 | 60 | 114 | 165 | N/A | \$611 |
| UHLAND | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 5 | 19 | N/A | \$770 |
| UNIVERSAL CITY | L | DROUGHT MANAGEMENT - UNIVERSAL CITY | DEMAND REDUCTION | 160 | 0 | 0 | 0 | 0 | 0 | \$305 | N/A |
| UNIVERSAL CITY | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 69 | 143 | N/A | \$681 |
| UNIVERSAL CITY | L | REGIONAL CARRIZO FOR SSLGC PROJECT EXPANSION | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 416 | 431 | 372 | 339 | 333 | 332 | \$1101 | \$566 |
| UVALDE | L | DROUGHT MANAGEMENT - UVALDE | DEMAND REDUCTION | 203 | 0 | 0 | 0 | 0 | 0 | \$1021 | N/A |
| UVALDE | L | EDWARDS TRANSFERS | L EDWARDS-BFZ AQUIFER UVALDE COUNTY | 943 | 1,233 | 1,484 | 1,772 | 2,072 | 2,365 | \$226 | \$226 |
| UVALDE | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 178 | 511 | 874 | 1,279 | 1,612 | 1,796 | \$770 | \$770 |
| UVALDE | L | UVALDE ASR | L AUSTIN CHALK AQUIFER UVALDE COUNTY | 878 | 878 | 878 | 878 | 878 | 878 | \$1629 | \$372 |
| VICTORIA | L | DROUGHT MANAGEMENT - VICTORIA | DEMAND REDUCTION | 856 | 0 | 0 | 0 | 0 | 0 | \$15 | N/A |
| VICTORIA | L | MUNICIPAL WATER CONSERVATION (URBAN) | DEMAND REDUCTION | 809 | 2,200 | 3,642 | 5,158 | 6,705 | 7,517 | \$600 | \$600 |
| VICTORIA | L | VICTORIA ASR | L GUADALUPE RUN-OF-RIVER | 0 | 7,900 | 7,900 | 7,900 | 7,900 | 7,900 | N/A | \$192 |
| VICTORIA | L | VICTORIA GROUNDWATER - SURFACE WATER EXCHANGE | L GULF COAST AQUIFER VICTORIA COUNTY | 8,574 | 8,574 | 8,574 | 8,574 | 8,574 | 8,574 | \$0 | \$0 |
| WAELEDER | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 16 | 22 | 20 | 24 | 33 | 42 | \$770 | \$770 |
| WATER SERVICES INC | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 17 | 18 | 22 | 41 | 66 | 95 | \$770 | \$770 |
| WIMBERLEY | L | GBRA - MBWSP - SURFACE WATER W/ ASR (OPTION 3C) | L GUADALUPE RUN-OF-RIVER | 0 | 0 | 74 | 356 | 678 | 933 | N/A | \$405 |
| WIMBERLEY | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 10 | 55 | 78 | 123 | 187 | 272 | \$770 | \$770 |
| WIMBERLEY | L | TWA REGIONAL CARRIZO AQUIFER DEVELOPMENT | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 0 | 0 | 100 | 100 | 100 | 100 | N/A | \$880 |
| WIMBERLEY | L | TWA TRINITY AQUIFER DEVELOPMENT | L TRINITY AQUIFER COMAL COUNTY | 0 | 0 | 0 | 0 | 0 | 113 | N/A | \$704 |
| WIMBERLEY WSC | L | GBRA - MBWSP - SURFACE WATER W/ ASR (OPTION 3C) | L GUADALUPE RUN-OF-RIVER | 0 | 0 | 136 | 464 | 834 | 1,123 | N/A | \$405 |
| WIMBERLEY WSC | L | TWA REGIONAL CARRIZO AQUIFER DEVELOPMENT | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 0 | 0 | 100 | 100 | 100 | 100 | N/A | \$880 |
| WIMBERLEY WSC | L | TWA TRINITY AQUIFER DEVELOPMENT | L TRINITY AQUIFER COMAL COUNTY | 0 | 0 | 0 | 0 | 0 | 133 | N/A | \$704 |
| WINDCREST | L | DROUGHT MANAGEMENT - WINDCREST | DEMAND REDUCTION | 60 | 0 | 0 | 0 | 0 | 0 | \$516 | N/A |
| WINDCREST | L | EDWARDS TRANSFERS | L EDWARDS-BFZ AQUIFER UVALDE COUNTY | 326 | 343 | 361 | 388 | 420 | 451 | \$226 | \$226 |
| WINDCREST | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 51 | 139 | 228 | 309 | 340 | 372 | \$681 | \$681 |

Recommended Water User Group (WUG) Water Management Strategies (WMS)**Water Management Strategy Supplies**

| WUG Entity Name | WMS Sponsor Region | WMS Name | Source Name | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 | Unit Cost 2020 | Unit Cost 2070 |
|--|---------------------------|---|--|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|-----------------------|
| WOODCREEK | L | MUNICIPAL WATER CONSERVATION (SUBURBAN) | DEMAND REDUCTION | 10 | 25 | 31 | 41 | 57 | 76 | \$681 | \$681 |
| WOODSBORO | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 68 | 43 | 6 | 0 | 20 | 26 | \$770 | \$770 |
| YANCEY WSC | L | DROUGHT MANAGEMENT - YANCEY WSC | DEMAND REDUCTION | 33 | 0 | 0 | 0 | 0 | 0 | \$3655 | N/A |
| YANCEY WSC | L | EDWARDS TRANSFERS | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 28 | 95 | 154 | 208 | 261 | 309 | \$226 | \$226 |
| YANCEY WSC | L | LOCAL LEONA GRAVEL AQUIFER DEVELOPMENT | L LEONA GRAVEL AQUIFER MEDINA COUNTY | 310 | 310 | 310 | 310 | 310 | 310 | \$2565 | \$1410 |
| YANCEY WSC | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 0 | 0 | 0 | 0 | 0 | 11 | N/A | \$770 |
| YORKTOWN | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 47 | 51 | 28 | 12 | 51 | 59 | \$770 | \$770 |
| ZAVALA COUNTY WCID #1 | L | MUNICIPAL WATER CONSERVATION (RURAL) | DEMAND REDUCTION | 24 | 68 | 113 | 168 | 224 | 282 | \$770 | \$770 |
| Region L Total Recommended WMS Supplies | | | | 396,299 | 436,916 | 558,073 | 676,061 | 723,694 | 765,740 | | |

Alternative Projects Associated with Water Management Strategies

Project Sponsor Region: L

| Sponsor Name | Is Sponsor a WWP? | Project Name | Project Description | Capital Cost | Online Decade |
|---|-------------------|---|---|---------------|---------------|
| CANYON REGIONAL WATER AUTHORITY | Y | CRWA - BRACKISH WILCOX GROUNDWATER (ENVISIONED) | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; PUMP STATION; STORAGE TANK | \$186,713,000 | 2030 |
| CANYON REGIONAL WATER AUTHORITY | Y | CRWA WELLS RANCH PHASE 2 - ENVISIONED | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; PUMP STATION; STORAGE TANK | \$51,097,000 | 2020 |
| CIBOLO VALLEY LOCAL GOVERNMENT CORPORATION | Y | CBLGC CARRIZO PROJECT (ENVISIONED) | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; PUMP STATION; STORAGE TANK | \$69,382,000 | 2020 |
| GUADALUPE BLANCO RIVER AUTHORITY | Y | GBRA - MBWSP - CARRIZO GROUNDWATER (OPTION 0) | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; PUMP STATION; STORAGE TANK | \$211,047,000 | 2020 |
| GUADALUPE BLANCO RIVER AUTHORITY | Y | GBRA - MBWSP - CONJUNCTIVE USE WITH ASR (OPTION 3A) | CONVEYANCE/TRANSMISSION PIPELINE; INJECTION WELL; MULTIPLE WELLS/WELL FIELD; NEW SURFACE WATER INTAKE; NEW WATER RIGHT/PERMIT; PUMP STATION; STORAGE TANK | \$700,897,000 | 2020 |
| GUADALUPE BLANCO RIVER AUTHORITY | Y | GBRA - MBWSP - SURFACE WATER W/ OFF-CHANNEL RESERVOIR (OPTION 2A) | CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; PUMP STATION; RESERVOIR CONSTRUCTION; STORAGE TANK | \$661,642,000 | 2020 |
| GUADALUPE BLANCO RIVER AUTHORITY | Y | HCPUA/TWA/GBRA SHARED FACILITIES PROJECT | CONVEYANCE/TRANSMISSION PIPELINE; INJECTION WELL; MULTIPLE WELLS/WELL FIELD; NEW SURFACE WATER INTAKE; NEW WATER RIGHT/PERMIT; PUMP STATION; STORAGE TANK | \$649,406,698 | 2020 |
| GUADALUPE BLANCO RIVER AUTHORITY | Y | LULING ASR | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD | \$33,308,000 | 2020 |
| HAYS CALDWELL PUA | Y | HAYS/CALDWELL PUA PROJECT - ENVISIONED | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; PUMP STATION; STORAGE TANK | \$415,405,000 | 2020 |
| HAYS CALDWELL PUA | Y | HCPUA/TWA JOINT PROJECT | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; PUMP STATION; STORAGE TANK | \$438,735,642 | 2020 |
| HAYS CALDWELL PUA | Y | HCPUA/TWA/GBRA SHARED FACILITIES PROJECT | CONVEYANCE/TRANSMISSION PIPELINE; INJECTION WELL; MULTIPLE WELLS/WELL FIELD; NEW SURFACE WATER INTAKE; NEW WATER RIGHT/PERMIT; PUMP STATION; STORAGE TANK | \$279,761,709 | 2020 |
| S S WSC | N | BRACKISH WILCOX FOR SS WSC - ENVISIONED | CONVEYANCE/TRANSMISSION PIPELINE; INJECTION WELL; MULTIPLE WELLS/WELL FIELD; PUMP STATION; STORAGE TANK | \$16,864,000 | 2070 |
| SAN ANTONIO WATER SYSTEM | Y | BRACKISH WILCOX GROUNDWATER FOR SAWS - ENVISIONED | CONVEYANCE/TRANSMISSION PIPELINE; INJECTION WELL; MULTIPLE WELLS/WELL FIELD; PUMP STATION; STORAGE TANK | \$246,855,000 | 2020 |
| SAN ANTONIO WATER SYSTEM | Y | SAWS EXPANDED BRACKISH PROJECT - ENVISIONED | CONVEYANCE/TRANSMISSION PIPELINE; INJECTION WELL; MULTIPLE WELLS/WELL FIELD; PUMP STATION; STORAGE TANK | \$723,175,000 | 2020 |
| SAN ANTONIO WATER SYSTEM | Y | SAWS EXPANDED LOCAL CARRIZO - ENVISIONED | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; PUMP STATION; STORAGE TANK | \$83,080,000 | 2020 |
| SAN ANTONIO WATER SYSTEM | Y | VISTA RIDGE PROJECT - ENVISIONED | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; PUMP STATION; STORAGE TANK | \$722,097,000 | 2020 |
| SCHERTZ-SEGUIN LOCAL GOVERNMENT CORPORATION | Y | SSLGC BRACKISH WILCOX - ENVISIONED | CONVEYANCE/TRANSMISSION PIPELINE; INJECTION WELL; MULTIPLE WELLS/WELL FIELD; PUMP STATION; STORAGE TANK | \$69,651,000 | 2020 |
| TEXAS WATER ALLIANCE | Y | HCPUA/TWA JOINT PROJECT | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; PUMP STATION; STORAGE TANK | \$184,394,358 | 2020 |
| TEXAS WATER ALLIANCE | Y | HCPUA/TWA/GBRA SHARED FACILITIES PROJECT | CONVEYANCE/TRANSMISSION PIPELINE; INJECTION WELL; MULTIPLE WELLS/WELL FIELD; NEW SURFACE WATER INTAKE; NEW WATER RIGHT/PERMIT; PUMP STATION; STORAGE TANK | \$194,372,593 | 2020 |
| TEXAS WATER ALLIANCE | Y | TWA CARRIZO PROJECT - ENVISIONED | CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; PUMP STATION; STORAGE TANK | \$279,632,000 | 2020 |

Alternative Projects Associated with Water Management Strategies

| Sponsor Name | Is Sponsor a WWP? | Project Name | Project Description | Capital Cost | Online Decade |
|---|-------------------|-------------------------|---|-----------------|---------------|
| UVALDE | N | UVALDE ASR - ENVISIONED | CONVEYANCE/TRANSMISSION PIPELINE; INJECTION WELL; MULTIPLE WELLS/WELL FIELD; PUMP STATION | \$60,077,000 | 2020 |
| Region L Total Alternative Capital Cost | | | | \$6,277,593,000 | |

*Projects with a capital cost of zero are excluded from the report list.

Alternative Water User Group (WUG) Water Management Strategies (WMS)

WUG Entity Primary Region: L

Water Management Strategy Supplies

| WUG Entity Name | WMS Sponsor Region | WMS Name | Source Name | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 | Unit Cost 2020 | Unit Cost 2070 |
|---|--------------------|--|---|--------|--------|--------|--------|--------|--------|----------------|----------------|
| CANYON REGIONAL WATER AUTHORITY - UNASSIGNED WATER VOLUMES | L | CRWA BRACKISH WILCOX GROUNDWATER (ENVISIONED) | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 0 | 14,700 | 14,700 | 14,700 | 14,700 | 14,700 | N/A | \$1137 |
| CANYON REGIONAL WATER AUTHORITY - UNASSIGNED WATER VOLUMES | L | CRWA WELLS RANCH - PHASE 2 (ENVISIONED) | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 10,629 | 10,629 | 10,629 | 10,629 | 10,629 | 10,629 | \$835 | \$471 |
| CIBOLO VALLEY LOCAL GOVERNMENT CORPORATION - UNASSIGNED WATER VOLUMES | L | CVLGC CARRIZO PROJECT - ENVISIONED | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | \$1834 | \$1217 |
| GUADALUPE BLANCO RIVER AUTHORITY - UNASSIGNED WATER VOLUMES | L | GBRA - MBWSP - CARRIZO GROUNDWATER (OPTION 0) | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | \$1665 | \$492 |
| GUADALUPE BLANCO RIVER AUTHORITY - UNASSIGNED WATER VOLUMES | L | GBRA - MBWSP - CONJUNCTIVE USE W/ASR (OPTION 3A) | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 21,000 | 21,000 | 21,000 | 21,000 | 21,000 | 21,000 | \$1835 | \$439 |
| GUADALUPE BLANCO RIVER AUTHORITY - UNASSIGNED WATER VOLUMES | L | GBRA - MBWSP - CONJUNCTIVE USE W/ASR (OPTION 3A) | L GUADALUPE RUN-OF-RIVER | 21,000 | 21,000 | 21,000 | 21,000 | 21,000 | 21,000 | \$1835 | \$439 |
| GUADALUPE BLANCO RIVER AUTHORITY - UNASSIGNED WATER VOLUMES | L | GBRA - MBWSP - SURFACE WATER W/OFF CHANNEL RESERVOIR (OPTION 2A) | L GUADALUPE RUN-OF-RIVER | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | \$2561 | \$468 |
| GUADALUPE BLANCO RIVER AUTHORITY - UNASSIGNED WATER VOLUMES | L | HCPUA/TWA/GBRA SHARED FACILITIES | L GUADALUPE RUN-OF-RIVER | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | \$1736 | \$650 |
| GUADALUPE BLANCO RIVER AUTHORITY - UNASSIGNED WATER VOLUMES | L | LULING ASR | L GUADALUPE RUN-OF-RIVER | 4,277 | 4,277 | 4,277 | 4,277 | 4,277 | 4,277 | \$1086 | \$435 |
| HAYS CALDWELL PUA - UNASSIGNED WATER VOLUMES | L | HAYS/CALDWELL PUA PROJECT - ENVISIONED | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 35,690 | 35,690 | 35,690 | 35,690 | 35,690 | 35,690 | \$1664 | \$690 |
| HAYS CALDWELL PUA - UNASSIGNED WATER VOLUMES | L | HCPUA/TWA JOINT PROJECT | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 35,690 | 35,690 | 35,690 | 35,690 | 35,690 | 35,690 | \$1736 | \$708 |
| HAYS CALDWELL PUA - UNASSIGNED WATER VOLUMES | L | HCPUA/TWA/GBRA SHARED FACILITIES | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 21,513 | 21,513 | 21,513 | 21,513 | 21,513 | 21,513 | \$1736 | \$650 |
| MANUFACTURING, CALHOUN | P | LAVACA OFF-CHANNEL RESERVOIR | P LAVACA RIVER OFF-CHANNEL LAKE/RESERVOIR | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | \$867 | \$867 |
| S S WSC | L | BRACKISH WILCOX FOR SS WSC - ENVISIONED | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 0 | 0 | 0 | 0 | 0 | 1,120 | N/A | \$2554 |
| SAN ANTONIO WATER SYSTEM - UNASSIGNED WATER VOLUMES | L | BRACKISH WILCOX GROUNDWATER FOR SAWS - ENVISIONED | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 33,600 | 33,600 | 33,600 | 33,600 | 33,600 | 33,600 | \$988 | \$368 |
| SAN ANTONIO WATER SYSTEM - UNASSIGNED WATER VOLUMES | L | SAWS EXPANDED BRACKISH PROJECT - ENVISIONED | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | \$2041 | \$844 |
| SAN ANTONIO WATER SYSTEM - UNASSIGNED WATER VOLUMES | L | SAWS EXPANDED LOCAL CARRIZO - ENVISIONED | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | \$553 | \$365 |
| SAN ANTONIO WATER SYSTEM - UNASSIGNED WATER VOLUMES | L | VISTA RIDGE PROJECT - ENVISIONED | G CARRIZO-WILCOX AQUIFER BURLESON COUNTY | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | \$1976 | \$768 |

Alternative Water User Group (WUG) Water Management Strategies (WMS)

Water Management Strategy Supplies

| WUG Entity Name | WMS Sponsor Region | WMS Name | Source Name | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 | Unit Cost 2020 | Unit Cost 2070 |
|--|--------------------|------------------------------------|--|---------|---------|---------|---------|---------|---------|----------------|----------------|
| SCHERTZ-SEGUIN LOCAL GOVERNMENT CORPORATION - UNASSIGNED WATER VOLUMES | L | SSLGC BRACKISH WILCOX - ENVISIONED | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | \$2124 | \$970 |
| TEXAS WATER ALLIANCE - UNASSIGNED WATER VOLUMES | L | HCPUA/TWA JOINT PROJECT | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | \$1736 | \$708 |
| TEXAS WATER ALLIANCE - UNASSIGNED WATER VOLUMES | L | HCPUA/TWA/GBRA SHARED FACILITIES | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | \$1736 | \$650 |
| TEXAS WATER ALLIANCE - UNASSIGNED WATER VOLUMES | L | TWA CARRIZO PROJECT - ENVISIONED | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | \$2440 | \$880 |
| UVALDE - UNASSIGNED WATER VOLUMES | L | UVALDE ASR - ENVISIONED | L AUSTIN CHALK AQUIFER UVALDE COUNTY | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | \$1629 | \$372 |
| Region L Total Alternative WMS Supplies | | | | 477,399 | 492,099 | 492,099 | 492,099 | 492,099 | 493,219 | | |

Water User Group (WUG) Management Supply Factor

| REGION L | WUG MANAGEMENT SUPPLY FACTOR | | | | | |
|-----------------------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| ALAMO HEIGHTS | 1.5 | 1.5 | 1.6 | 1.6 | 1.7 | 1.8 |
| ASHERTON | 1.2 | 1.2 | 1.2 | 1.1 | 1.4 | 1.3 |
| ATASCOSA RURAL WSC | 1.8 | 1.6 | 1.8 | 1.8 | 1.8 | 1.9 |
| BALCONES HEIGHTS | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| BENTON CITY WSC | 1.6 | 1.4 | 1.3 | 1.2 | 1.1 | 1.0 |
| BIG WELLS | 1.7 | 1.6 | 1.5 | 1.5 | 1.9 | 1.9 |
| BOERNE | 1.7 | 1.4 | 1.3 | 1.3 | 1.3 | 1.3 |
| BULVERDE | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| CALHOUN COUNTY WS | 4.2 | 4.0 | 3.8 | 3.5 | 3.3 | 3.1 |
| CANYON LAKE WATER SERVICE COMPANY | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.1 |
| CARRIZO SPRINGS | 1.2 | 1.1 | 1.1 | 1.1 | 1.4 | 1.5 |
| CASTLE HILLS | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| CASTROVILLE | 1.4 | 1.4 | 1.5 | 1.6 | 1.6 | 1.7 |
| CHARLOTTE | 2.0 | 1.9 | 1.7 | 1.6 | 1.5 | 1.4 |
| CHINA GROVE | 1.0 | 1.1 | 1.2 | 1.3 | 1.3 | 1.3 |
| CIBOLO | 1.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.1 |
| CONVERSE | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| COTULLA | 1.4 | 1.3 | 1.4 | 1.4 | 1.7 | 1.7 |
| COUNTY LINE WSC | 1.9 | 1.3 | 1.1 | 1.1 | 1.1 | 1.1 |
| COUNTY-OTHER, ATASCOSA | 1.6 | 1.4 | 1.3 | 1.2 | 1.1 | 1.0 |
| COUNTY-OTHER, BEXAR | 1.9 | 1.5 | 1.2 | 1.2 | 1.2 | 1.2 |
| COUNTY-OTHER, CALDWELL | 2.8 | 2.4 | 2.0 | 1.8 | 1.6 | 1.4 |
| COUNTY-OTHER, CALHOUN | 1.7 | 1.6 | 1.5 | 1.4 | 1.3 | 1.2 |
| COUNTY-OTHER, COMAL | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| COUNTY-OTHER, DEWITT | 1.1 | 1.0 | 1.1 | 1.1 | 1.2 | 1.2 |
| COUNTY-OTHER, DIMMIT | 1.2 | 1.2 | 1.1 | 1.1 | 1.0 | 1.0 |
| COUNTY-OTHER, FRIO | 1.9 | 1.8 | 1.7 | 1.6 | 1.5 | 1.4 |
| COUNTY-OTHER, GOLIAD | 1.4 | 1.3 | 1.2 | 1.1 | 1.3 | 1.3 |
| COUNTY-OTHER, GONZALES | 1.4 | 1.3 | 1.2 | 1.1 | 1.2 | 1.1 |
| COUNTY-OTHER, GUADALUPE | 2.8 | 3.0 | 2.5 | 2.2 | 2.0 | 1.9 |
| COUNTY-OTHER, KARNES | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.2 |
| COUNTY-OTHER, KENDALL | 2.0 | 1.8 | 1.6 | 1.4 | 1.2 | 1.1 |
| COUNTY-OTHER, LA SALLE | 1.2 | 1.2 | 1.2 | 1.2 | 1.4 | 1.3 |
| COUNTY-OTHER, MEDINA | 2.0 | 1.9 | 1.9 | 1.8 | 1.7 | 1.7 |
| COUNTY-OTHER, REFUGIO | 1.1 | 1.0 | 1.1 | 1.0 | 1.5 | 1.5 |
| COUNTY-OTHER, UVALDE | 3.1 | 2.7 | 2.6 | 2.4 | 2.3 | 2.2 |
| COUNTY-OTHER, VICTORIA | 1.1 | 1.1 | 1.1 | 1.1 | 1.0 | 1.0 |
| COUNTY-OTHER, WILSON | 2.0 | 1.6 | 1.4 | 1.2 | 1.1 | 1.0 |
| COUNTY-OTHER, ZAVALA | 1.6 | 1.5 | 1.4 | 1.3 | 1.3 | 1.2 |
| CRYSTAL CITY | 2.1 | 2.0 | 1.9 | 1.9 | 1.8 | 1.7 |
| CRYSTAL CLEAR WSC | 1.4 | 1.8 | 1.5 | 1.3 | 1.2 | 1.1 |
| CUERO | 2.0 | 2.0 | 2.0 | 2.0 | 2.4 | 2.5 |
| DEVINE | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.0 |
| DILLEY | 2.1 | 2.0 | 2.0 | 1.9 | 1.9 | 1.8 |
| EAST CENTRAL SUD | 1.2 | 1.3 | 1.2 | 1.1 | 1.0 | 1.0 |
| EAST MEDINA COUNTY SUD | 1.3 | 1.2 | 1.1 | 1.1 | 1.1 | 1.1 |
| EL OSO WSC | 1.7 | 1.7 | 1.8 | 1.8 | 1.9 | 1.9 |
| ELMENDORF | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.1 |
| ENCINAL | 1.5 | 1.5 | 1.5 | 1.4 | 1.7 | 1.6 |
| FAIR OAKS RANCH | 1.9 | 1.7 | 1.6 | 1.6 | 1.6 | 1.5 |

Water User Group (WUG) Management Supply Factor

| REGION L | WUG MANAGEMENT SUPPLY FACTOR | | | | | |
|------------------------|------------------------------|------|------|------|------|------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| FALLS CITY | 1.6 | 1.7 | 1.9 | 2.0 | 2.1 | 2.1 |
| FLORESVILLE | 1.2 | 1.7 | 1.6 | 1.5 | 1.4 | 1.3 |
| GARDEN RIDGE | 1.8 | 1.4 | 1.2 | 1.1 | 1.1 | 1.0 |
| GOFORTH SUD | 2.8 | 2.2 | 1.8 | 1.4 | 1.1 | 1.0 |
| GOLIAD | 1.6 | 1.5 | 1.5 | 1.5 | 1.7 | 1.7 |
| GONZALES | 1.3 | 1.2 | 1.2 | 1.3 | 1.4 | 1.4 |
| GONZALES COUNTY WSC | 1.4 | 1.3 | 1.3 | 1.3 | 1.4 | 1.4 |
| GREEN VALLEY SUD | 2.9 | 3.1 | 2.7 | 4.0 | 3.3 | 4.2 |
| HELOTES | 1.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| HILL COUNTRY VILLAGE | 1.0 | 1.1 | 1.2 | 1.3 | 1.3 | 1.3 |
| HOLLYWOOD PARK | 1.1 | 1.1 | 1.2 | 1.3 | 1.3 | 1.4 |
| HONDO | 1.1 | 1.1 | 1.2 | 1.2 | 1.3 | 1.3 |
| IRRIGATION, ATASCOSA | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IRRIGATION, BEXAR | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| IRRIGATION, CALDWELL | 1.1 | 1.2 | 1.3 | 1.2 | 0.8 | 0.3 |
| IRRIGATION, CALHOUN | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| IRRIGATION, COMAL | 2.2 | 2.4 | 2.6 | 3.0 | 3.4 | 3.7 |
| IRRIGATION, DEWITT | 1.0 | 1.0 | 1.0 | 1.0 | 1.1 | 1.1 |
| IRRIGATION, DIMMIT | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 |
| IRRIGATION, FRIO | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IRRIGATION, GOLIAD | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| IRRIGATION, GONZALES | 1.5 | 1.7 | 2.0 | 2.3 | 2.7 | 3.0 |
| IRRIGATION, GUADALUPE | 2.3 | 2.6 | 3.0 | 3.1 | 3.2 | 3.4 |
| IRRIGATION, HAYS | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| IRRIGATION, KARNES | 1.3 | 1.4 | 1.6 | 1.7 | 1.9 | 2.1 |
| IRRIGATION, KENDALL | 1.2 | 1.3 | 1.3 | 1.3 | 1.3 | 1.4 |
| IRRIGATION, LA SALLE | 1.0 | 1.0 | 1.1 | 1.1 | 1.1 | 1.2 |
| IRRIGATION, MEDINA | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| IRRIGATION, REFUGIO | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| IRRIGATION, UVALDE | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 |
| IRRIGATION, VICTORIA | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| IRRIGATION, WILSON | 0.7 | 0.8 | 1.0 | 1.3 | 1.2 | 1.2 |
| IRRIGATION, ZAVALA | 0.6 | 0.6 | 0.6 | 0.7 | 0.7 | 0.7 |
| JOURDANTON | 2.2 | 2.0 | 1.9 | 1.8 | 1.7 | 1.6 |
| KARNES CITY | 1.1 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| KENDALL COUNTY WCID #1 | 2.6 | 2.3 | 2.0 | 1.8 | 1.6 | 1.5 |
| KENEDY | 1.2 | 1.2 | 1.3 | 1.3 | 1.4 | 1.4 |
| KIRBY | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| KYLE | 1.7 | 1.4 | 1.5 | 1.5 | 1.5 | 1.5 |
| LA VERNIA | 2.0 | 1.7 | 1.6 | 1.5 | 1.4 | 1.3 |
| LACKLAND AFB | 1.9 | 2.0 | 2.0 | 2.1 | 2.1 | 2.1 |
| LACOSTE | 1.5 | 1.4 | 1.4 | 1.4 | 1.4 | 1.3 |
| LEON VALLEY | 1.1 | 1.1 | 1.2 | 1.2 | 1.3 | 1.3 |
| LIVE OAK | 1.2 | 1.3 | 1.3 | 1.3 | 1.4 | 1.4 |
| LIVESTOCK, ATASCOSA | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LIVESTOCK, BEXAR | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LIVESTOCK, CALDWELL | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LIVESTOCK, CALHOUN | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LIVESTOCK, COMAL | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LIVESTOCK, DEWITT | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

Water User Group (WUG) Management Supply Factor

| REGION L | WUG MANAGEMENT SUPPLY FACTOR | | | | | |
|--------------------------|------------------------------|------|------|------|------|------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| LIVESTOCK, DIMMIT | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LIVESTOCK, FRIO | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LIVESTOCK, GOLIAD | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LIVESTOCK, GONZALES | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LIVESTOCK, GUADALUPE | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LIVESTOCK, HAYS | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LIVESTOCK, KARNES | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LIVESTOCK, KENDALL | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LIVESTOCK, LA SALLE | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LIVESTOCK, MEDINA | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LIVESTOCK, REFUGIO | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LIVESTOCK, UVALDE | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LIVESTOCK, VICTORIA | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LIVESTOCK, WILSON | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LIVESTOCK, ZAVALA | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| LOCKHART | 1.5 | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 |
| LULING | 2.9 | 2.5 | 2.1 | 1.9 | 1.6 | 1.6 |
| LYTLE | 1.0 | 1.1 | 1.2 | 1.2 | 1.2 | 1.2 |
| MANUFACTURING, ATASCOSA | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| MANUFACTURING, BEXAR | 1.4 | 1.2 | 1.1 | 1.0 | 1.0 | 1.0 |
| MANUFACTURING, CALDWELL | 1.6 | 1.4 | 1.3 | 1.2 | 1.1 | 1.0 |
| MANUFACTURING, CALHOUN | 1.2 | 1.1 | 1.0 | 1.0 | 1.0 | 1.0 |
| MANUFACTURING, COMAL | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| MANUFACTURING, DEWITT | 1.4 | 1.3 | 1.3 | 1.2 | 1.1 | 1.1 |
| MANUFACTURING, GOLIAD | 3.6 | 2.4 | 1.8 | 1.4 | 1.2 | 1.0 |
| MANUFACTURING, GONZALES | 1.4 | 1.3 | 1.2 | 1.2 | 1.1 | 1.0 |
| MANUFACTURING, GUADALUPE | 1.2 | 1.1 | 1.0 | 1.0 | 1.0 | 1.0 |
| MANUFACTURING, KARNES | 1.3 | 1.3 | 1.3 | 1.3 | 1.1 | 1.1 |
| MANUFACTURING, MEDINA | 40.7 | 37.6 | 34.9 | 32.6 | 30.1 | 27.9 |
| MANUFACTURING, UVALDE | 1.4 | 1.3 | 1.3 | 1.4 | 1.4 | 1.3 |
| MANUFACTURING, VICTORIA | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| MANUFACTURING, WILSON | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| MANUFACTURING, ZAVALA | 1.5 | 1.5 | 1.4 | 1.4 | 1.3 | 1.2 |
| MARION | 2.0 | 1.8 | 1.5 | 1.4 | 1.2 | 1.1 |
| MARTINDALE | 1.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| MAXWELL WSC | 2.5 | 2.2 | 1.9 | 1.7 | 1.5 | 1.4 |
| MCCOY WSC | 1.7 | 1.5 | 1.3 | 1.2 | 1.1 | 1.1 |
| MINING, ATASCOSA | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| MINING, BEXAR | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| MINING, CALDWELL | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| MINING, CALHOUN | 1.1 | 1.0 | 1.3 | 1.8 | 2.9 | 4.6 |
| MINING, COMAL | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| MINING, DEWITT | 1.0 | 1.0 | 1.0 | 1.0 | 1.1 | 1.1 |
| MINING, DIMMIT | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 |
| MINING, FRIO | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| MINING, GOLIAD | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| MINING, GONZALES | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| MINING, GUADALUPE | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| MINING, KARNES | 0.1 | 0.2 | 0.2 | 0.4 | 2.4 | 29.0 |
| MINING, LA SALLE | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 |

Water User Group (WUG) Management Supply Factor

| REGION L | WUG MANAGEMENT SUPPLY FACTOR | | | | | |
|---------------------------------|------------------------------|------|------|------|------|------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| MINING, MEDINA | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| MINING, REFUGIO | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| MINING, UVALDE | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| MINING, VICTORIA | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| MINING, WILSON | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| MINING, ZAVALA | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| MUSTANG RIDGE | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| NATALIA | 1.9 | 1.8 | 1.8 | 1.7 | 1.7 | 1.7 |
| NEW BERLIN | 1.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| NEW BRAUNFELS | 2.2 | 2.2 | 2.0 | 1.8 | 1.7 | 1.6 |
| NIEDERWALD | 1.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| NIXON | 6.1 | 5.7 | 5.4 | 5.0 | 4.9 | 4.6 |
| OAK HILLS WSC | 2.1 | 1.8 | 1.5 | 1.4 | 1.3 | 1.2 |
| OLMOS PARK | 1.0 | 1.1 | 1.2 | 1.3 | 1.3 | 1.3 |
| PEARSALL | 1.4 | 1.4 | 1.4 | 1.3 | 1.3 | 1.2 |
| PLEASANTON | 1.7 | 1.6 | 1.5 | 1.5 | 1.4 | 1.3 |
| PLUM CREEK WATER COMPANY | 1.3 | 1.1 | 1.2 | 1.2 | 1.2 | 1.2 |
| POINT COMFORT | 2.0 | 1.9 | 1.8 | 1.7 | 1.5 | 1.4 |
| POLONIA WSC | 1.4 | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 |
| PORT LAVACA | 2.3 | 2.2 | 2.0 | 1.9 | 1.7 | 1.6 |
| PORT O'CONNOR MUD | 12.0 | 11.4 | 10.7 | 10.0 | 9.3 | 8.7 |
| POTEET | 3.0 | 2.7 | 2.5 | 2.3 | 2.1 | 1.9 |
| POTH | 3.4 | 2.8 | 2.5 | 2.2 | 2.0 | 1.9 |
| RANDOLPH AFB | 20.6 | 18.4 | 16.6 | 15.3 | 14.2 | 13.4 |
| REFUGIO | 1.7 | 1.7 | 1.7 | 1.6 | 2.3 | 2.3 |
| RUNGE | 1.3 | 1.3 | 1.4 | 1.4 | 1.4 | 1.5 |
| S S WSC | 1.8 | 1.5 | 1.3 | 1.1 | 1.0 | 1.0 |
| SABINAL | 1.7 | 1.7 | 1.7 | 1.8 | 1.6 | 1.8 |
| SAN ANTONIO | 1.0 | 1.0 | 1.0 | 1.0 | 1.1 | 1.1 |
| SAN ANTONIO WATER SYSTEM | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| SAN MARCOS | 1.3 | 1.3 | 1.3 | 1.3 | 1.4 | 1.4 |
| SANTA CLARA | 1.4 | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 |
| SCHERTZ | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| SEADRIFT | 2.9 | 2.7 | 2.5 | 2.3 | 2.2 | 2.1 |
| SEGUIN | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.1 |
| SELMA | 1.5 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| SHAVANO PARK | 1.1 | 1.1 | 1.2 | 1.3 | 1.4 | 1.4 |
| SMILEY | 1.7 | 1.7 | 1.6 | 1.5 | 1.6 | 1.5 |
| SOMERSET | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| SPRINGS HILL WSC | 3.6 | 3.1 | 2.6 | 2.1 | 1.6 | 1.2 |
| ST. HEDWIG | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| STEAM ELECTRIC POWER, ATASCOSA | 1.8 | 1.4 | 1.4 | 1.2 | 1.1 | 1.1 |
| STEAM ELECTRIC POWER, BEXAR | 3.9 | 3.4 | 3.1 | 2.8 | 2.6 | 2.3 |
| STEAM ELECTRIC POWER, FRIO | 1.0 | 1.3 | 1.4 | 3.5 | 2.9 | 3.4 |
| STEAM ELECTRIC POWER, GOLIAD | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| STEAM ELECTRIC POWER, GUADALUPE | 2.3 | 2.8 | 2.7 | 2.5 | 1.8 | 1.6 |
| STEAM ELECTRIC POWER, HAYS | 7.4 | 5.6 | 2.7 | 2.0 | 1.5 | 1.1 |
| STEAM ELECTRIC POWER, VICTORIA | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| STOCKDALE | 4.6 | 3.9 | 3.4 | 3.1 | 2.8 | 2.6 |
| SUNKO WSC | 1.7 | 1.5 | 1.3 | 1.2 | 1.1 | 1.1 |

Water User Group (WUG) Management Supply Factor

| REGION L | WUG MANAGEMENT SUPPLY FACTOR | | | | | |
|-----------------------|------------------------------|------|------|------|------|------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| TERRELL HILLS | 1.0 | 1.1 | 1.2 | 1.3 | 1.3 | 1.3 |
| THE OAKS WSC | 1.4 | 1.2 | 1.1 | 1.1 | 1.1 | 1.2 |
| UHLAND | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| UNIVERSAL CITY | 1.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| UVALDE | 1.3 | 1.3 | 1.4 | 1.4 | 1.5 | 1.5 |
| VICTORIA | 1.0 | 1.4 | 1.5 | 1.5 | 1.5 | 1.5 |
| VON ORMY | 1.5 | 1.4 | 1.3 | 1.2 | 1.1 | 1.0 |
| WAELDER | 2.7 | 2.6 | 2.4 | 2.2 | 2.3 | 2.2 |
| WATER SERVICES INC | 1.6 | 1.5 | 1.4 | 1.3 | 1.2 | 1.2 |
| WIMBERLEY | 1.4 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| WIMBERLEY WSC | 1.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| WINDCREST | 1.1 | 1.1 | 1.2 | 1.2 | 1.3 | 1.3 |
| WOODCREEK | 3.6 | 3.3 | 2.9 | 2.6 | 2.3 | 2.0 |
| WOODSBORO | 1.9 | 1.8 | 1.7 | 1.7 | 2.4 | 2.4 |
| YANCEY WSC | 1.5 | 1.4 | 1.4 | 1.4 | 1.3 | 1.3 |
| YORKTOWN | 2.3 | 2.3 | 2.2 | 2.2 | 2.6 | 2.6 |
| ZAVALA COUNTY WCID #1 | 2.7 | 2.6 | 2.4 | 2.3 | 2.3 | 2.2 |

*WUG supplies and projected demands are entered for each of a WUG's region-county-basin divisions. To calculate the Management Supply Factor for each WUG as a whole, not split by region-county-basin the combined total of existing and future supply is divided by the total projected demand.



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Appendix B

Summary of References

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Appendix C
Reliability Information for Water Rights in the South Central Texas Region

| Basin | County of Diversion Location(s) | Use | WR ID# | Authorized Diversion (acft/yr) | Volume Reliability (%) | Minimum Annual Supply (acft) | Owner | Stream |
|-----------|---------------------------------|-----|----------|--------------------------------|------------------------|------------------------------|--------------------------------|--------------------------|
| Guadalupe | Caldwell | HYD | P4492 1 | 15,000 | 70.5 | 0 | HYDRACO POWER INC | SAN MARCOS RIVER |
| Guadalupe | Caldwell | IRR | P4569 2 | 240 | 72.4 | 0 | ROBERT L BOOTHE | SAN MARCOS RIVER |
| Guadalupe | Caldwell | IRR | C3898 1 | 20 | 87.5 | 0 | CITY OF LULING | SAN MARCOS RIVER |
| Guadalupe | Caldwell | IRR | P3600 3 | 750 | 78.0 | 0 | THE LULING FOUNDATION | SAN MARCOS RIVER |
| Guadalupe | Caldwell | IRR | P4080 1 | 425 | 76.7 | 0 | BENO CORPORATION | SAN MARCOS RIVER |
| Guadalupe | Caldwell | IRR | P4502 1 | 600 | 72.7 | 0 | JOHN SCOTT GREENE ET AL | SAN MARCOS RIVER |
| Guadalupe | Caldwell | IRR | C3899 1 | 1,180 | 86.7 | 0 | MIGUEL CALZADA URQUIZA ET UX | SAN MARCOS RIVER |
| Guadalupe | Caldwell | IRR | C3890 1 | 50 | 87.5 | 0 | GEORGE PARTNERSHIP LTD | SAN MARCOS RIVER |
| Guadalupe | Caldwell | IRR | P4022 1 | 450 | 78.5 | 0 | MARY ANN LANGFORD ET AL | SAN MARCOS RIVER |
| Guadalupe | Caldwell | IRR | P4043 1 | 150 | 78.7 | 0 | TERRAND LTD ET AL | SAN MARCOS RIVER |
| Guadalupe | Caldwell | IRR | C3904 1 | 28 | 79.7 | 0 | SHERRY CHAPPELL | ELM CRK |
| Guadalupe | Caldwell | IRR | P4518 1 | 120 | 79.9 | 0 | JOHN H COX | PLUM CRK |
| Guadalupe | Caldwell | IRR | P4033 1 | 300 | 78.5 | 0 | DICK BROWN | SAN MARCOS RIVER |
| Guadalupe | Caldwell | IRR | C3886 1 | 150 | 79.8 | 0 | HAYS COUNTY REC ASSOC INC | BLANCO RIVER |
| Guadalupe | Caldwell | IRR | C3906 1 | 63 | 87.6 | 0 | TEXAS PARKS & WILDLIFE DEPT | CLEAR FRK PLUM CRK |
| Guadalupe | Caldwell | IRR | C3906 2 | 12 | 89.9 | 0 | TEXAS PARKS & WILDLIFE DEPT | CLEAR FRK PLUM CRK |
| Guadalupe | Caldwell | IRR | P5857 1 | 1 | 85.5 | 0 | GENE MILLIGAN | |
| Guadalupe | Caldwell | MUN | P5092 2 | 150 | 71.9 | 0 | WILLIAM JAMES WOOTEN ET AL | SAN MARCOS RIVER |
| Guadalupe | Caldwell | MUN | C3888 1 | 320 | 92.5 | 0 | JOHN F BAUGH | SAN MARCOS RIVER |
| Guadalupe | Caldwell | MUN | C3889 1 | 24 | 100.0 | 24 | CANYON REGIONAL | SAN MARCOS RIVER |
| Guadalupe | Caldwell | MUN | C3891 3 | 500 | 100.0 | 500 | TRI-COMMUNITY WSC | SAN MARCOS RIVER |
| Guadalupe | Caldwell | MUN | C3896 1 | 1,500 | 86.0 | 0 | GUADALUPE-BLANCO RIVER AUTH | SAN MARCOS RIVER |
| Guadalupe | Caldwell | MUN | C3896 2 | 1,300 | 79.7 | 0 | GUADALUPE-BLANCO RIVER AUTH | SAN MARCOS RIVER |
| Guadalupe | Caldwell | MUN | P5234 2 | 1,022 | 71.9 | 0 | | |
| Guadalupe | Caldwell | MUN | C3887 2 | 772 | 100.0 | 772 | MAXWELL | SAN MARCOS RIVER |
| Guadalupe | Calhoun | IND | C5178 1 | 75,000 | 98.3 | 0 | GBRA - Exelon | GUADALUPE RIVER |
| Guadalupe | Calhoun | IND | C5178 2 | 20,000 | 100.0 | 20,000 | GBRA - DOW/UCC | GUADALUPE RIVER |
| Guadalupe | Calhoun | IND | C5174 3 | 1,870 | 100.0 | 1,870 | GBRA - Future Industrial | GUADALUPE RIVER |
| Guadalupe | Calhoun | IND | C5175 2 | 940 | 100.0 | 940 | GBRA - Future Industrial | GUADALUPE RIVER |
| Guadalupe | Calhoun | IND | C5176 1 | 9,944 | 100.0 | 9,944 | GBRA - Future Industrial | GUADALUPE RIVER |
| Guadalupe | Calhoun | IND | C5177 1 | 10,000 | 100.0 | 10,000 | GBRA - DOW/UCC | GUADALUPE RIVER |
| Guadalupe | Calhoun | IND | C5177 2 | 2,000 | 100.0 | 2,000 | GBRA - DOW/UCC | GUADALUPE RIVER |
| Guadalupe | Calhoun | IND | C5177 3 | 8,000 | 100.0 | 8,000 | GBRA - DOW/UCC | GUADALUPE RIVER |
| Guadalupe | Calhoun | IND | C5177 4 | 1,400 | 100.0 | 1,400 | GBRA - Ineous | GUADALUPE RIVER |
| Guadalupe | Calhoun | IND | C5177 5 | 400 | 100.0 | 400 | GBRA - Seadrift Coke | GUADALUPE RIVER |
| Guadalupe | Calhoun | IND | C5177 7 | 10,871 | 100.0 | 10,871 | GBRA - CCR, Victoria, UB | GUADALUPE RIVER |
| Guadalupe | Calhoun | IND | C5177 8 | 8,632 | 100.0 | 8,632 | GBRA - Future Industrial | GUADALUPE RIVER |
| Guadalupe | Calhoun | IND | C5173 1 | 1,900 | 100.0 | 1,900 | GBRA - Ineous | GUADALUPE RIVER |
| Guadalupe | Calhoun | IND | C5173 2 | 600 | 100.0 | 600 | GBRA - Seadrift Coke | GUADALUPE RIVER |
| Guadalupe | Calhoun | IND | P4586 1 | 272 | 82.1 | 0 | DEL & GLORIA WILLIAMS, Crawfis | GUADALUPE RIVER |
| Guadalupe | Calhoun | IRR | C5178 3 | 11,000 | 99.0 | 0 | GBRA - Irrigation | GUADALUPE RIVER |
| Guadalupe | Calhoun | IRR | C3863 1 | 200 | 100.0 | 200 | JAN KNEBEL WHEELIS | GUADALUPE RIVER |
| Guadalupe | Calhoun | MUN | C5177 6a | 4,480 | 100.0 | 4,480 | GBRA - Port Lavaca | GUADALUPE RIVER |
| Guadalupe | Calhoun | MUN | C5177 6b | 1,500 | 100.0 | 1,500 | GBRA - CCRWSC | GUADALUPE RIVER |
| Guadalupe | Calhoun | MUN | C5177 6c | 1,120 | 100.0 | 1,120 | GBRA - POCMUD | GUADALUPE RIVER |
| Guadalupe | Calhoun | MUN | C5177 6d | 2,844 | 100.0 | 2,844 | GBRA - Future MUN | GUADALUPE RIVER |
| Guadalupe | Calhoun | MUN | C3863 2 | 3,000 | 100.0 | 3,000 | JESS YELL WOMACK II ET AL | GUADALUPE RIVER |
| Guadalupe | Calhoun | OTH | P5381 1 | 150 | 82.6 | 0 | BRETT BRATCHER | GUADALUPE RIVER |
| Guadalupe | Comal | HYD | C3824 1 | 124,870 | 89.0 | 18,159 | NEW BRAUNFELS UTILITIES | COMAL RIVER |
| Guadalupe | Comal | IND | C3829 1 | 5,000 | 100.0 | 5,000 | MISSION VALLEY TEXTILES, INC | GUADALUPE RIVER |
| Guadalupe | Comal | IRR | C3824 4 | 200 | 100.0 | 200 | NEW BRAUNFELS UTILITIES | COMAL RIVER |
| Guadalupe | Comal | IRR | C2072 1 | 35 | 98.5 | 0 | ELOY GARCIA JR ET UX | GUADALUPE RIVER |
| Guadalupe | Comal | IRR | C1954 1 | 15 | 45.7 | 0 | LAWRENCE D KRAUSE | JENTSCH CRK |
| Guadalupe | Comal | IRR | C1954 2 | 5 | 64.3 | 0 | LAWRENCE D KRAUSE | JENTSCH CRK |
| Guadalupe | Comal | IRR | C3819 1 | 14 | 99.1 | 0 | PATRICK S MOLAK | GUADALUPE RIVER |
| Guadalupe | Comal | IRR | C1955 1 | 10 | 44.4 | 0 | CHESTER & RICKIE KRAUSE | UNNAMED TRIB JENTSCH CRK |
| Guadalupe | Comal | IRR | C3826 2 | 100 | 28.4 | 0 | CITY OF NEW BRAUNFELS | COMAL RIVER |
| Guadalupe | Comal | IRR | P4607 1 | 50 | 89.3 | 0 | PURALLOY INC | GUADALUPE RIVER |
| Guadalupe | Comal | IRR | C2068 1 | 72 | 84.1 | 0 | KWW Ranches LTD | Iter Creek |
| Guadalupe | Comal | IRR | C2070 1 | 98 | 17.6 | 0 | FRANK A STANUSH | GUADALUPE RIVER |
| Guadalupe | Comal | IRR | C2070 2 | 22 | 17.6 | 0 | FRANK A STANUSH | GUADALUPE RIVER |
| Guadalupe | Comal | IRR | C3817 1 | 79 | 89.8 | 0 | CLARENCE B ANDERSON ET AL | GUADALUPE RIVER |
| Guadalupe | Comal | IRR | C2071 1 | 1 | 99.1 | 0 | GUADALUPE RIVER RANCH & CATTLE | GUADALUPE RIVER |
| Guadalupe | Comal | IRR | C3820 1 | 4 | 99.2 | 0 | VETERANS OF FOREIGN WARS | GUADALUPE RIVER |
| Guadalupe | Comal | IRR | C3821 1 | 4 | 99.2 | 0 | ROBERT & MARY RAE PRESTON | GUADALUPE RIVER |
| Guadalupe | Comal | IRR | C3821 2 | 1 | 100.0 | 1 | ROBERT & MARY RAE PRESTON | GUADALUPE RIVER |
| Guadalupe | Comal | IRR | C3822 1 | 3 | 99.9 | 3 | ROBERT KRUEGER ET AL | GUADALUPE RIVER |
| Guadalupe | Comal | IRR | C3828 1 | 1 | 100.0 | 1 | CAMP WARNECKE INC | COMAL RIVER |
| Guadalupe | Comal | IRR | C3828 2 | 2 | 100.0 | 2 | LIBERTY PARTNERSHIP LTD | COMAL RIVER |
| Guadalupe | Comal | MUN | C2074 1 | 10,000 | 98.5 | 0 | GUADALUPE-BLANCO RIVER AUTH | GUADALUPE RIVER |
| Guadalupe | Comal | MUN | C2074 2 | 40,000 | 98.0 | 0 | GUADALUPE-BLANCO RIVER AUTH | GUADALUPE RIVER |
| Guadalupe | Comal | MUN | C3830 2 | 5 | 72.4 | 0 | NEW BRAUNFELS UTILITIES | COMAL RIVER |
| Guadalupe | Comal | MUN | C3824 5 | 2,240 | 99.9 | 1,295 | NEW BRAUNFELS UTILITIES | COMAL RIVER |
| Guadalupe | Comal | MUN | C3824 6 | 3,418 | 73.5 | 0 | NEW BRAUNFELS UTILITIES | COMAL RIVER |
| Guadalupe | Comal | MUN | C3819 2 | 9 | 99.4 | 0 | PATRICK S MOLAK | GUADALUPE RIVER |
| Guadalupe | Comal | MUN | C3815 1 | 3 | 25.9 | 0 | J D MURRELL | GUADALUPE RIVER |
| Guadalupe | Comal | MUN | P4106 1 | 25 | 92.2 | 0 | TEXAS PARKS & WILDLIFE DEPT | GUADALUPE RIVER |
| Guadalupe | Comal | MUN | C2074 7 | 40,000 | 98.2 | 0 | GUADALUPE-BLANCO RIVER AUTH | GUADALUPE RIVER |
| Guadalupe | Comal | MUN | P4491 1 | 120 | 87.3 | 0 | COMAL CO FRESH WSD #1 | REBECCA CRK |
| Guadalupe | Comal | MUN | C3823 2 | 1,289 | 72.4 | 0 | NEW BRAUNFELS UTILITIES | COMAL RIVER |
| Guadalupe | Comal | REC | P4114 1 | 3,711 | 21.1 | 0 | BAD SCHOLESS INC | COMAL RIVER |
| Guadalupe | Comal | REC | P4114 2 | 1,289 | 21.8 | 0 | BAD SCHOLESS INC | COMAL RIVER |
| Guadalupe | Comal | REC | C3816 1 | 1,460 | 24.4 | 0 | WHITEWATER SPORTS INC | GUADALUPE RIVER |
| Guadalupe | De Witt | HYD | C3853 1 | 538,560 | 54.9 | 0 | CUERO HYDROELECTRIC, INC. | GUADALUPE RIVER |
| Guadalupe | De Witt | IRR | C3856 1 | 50 | 81.8 | 0 | PATRICK B & MARY KARYN ELDER | GUADALUPE RIVER |
| Guadalupe | De Witt | IRR | P4318 1 | 80 | 80.9 | 0 | F T BUCHEL | GUADALUPE RIVER |
| Guadalupe | De Witt | IRR | P5006 2 | 299 | 84.5 | 0 | LORITA MAE FITZGERALD | GUADALUPE RIVER |
| Guadalupe | De Witt | IRR | C3850 1 | 80 | 98.8 | 0 | JOSEPHINE B MUSSELMAN ET AL | GUADALUPE RIVER |

Appendix C
Reliability Information for Water Rights in the South Central Texas Region

| Basin | County of Diversion Location(s) | Use | WR ID# | Authorized Diversion (acft/yr) | Volume Reliability (%) | Minimum Annual Supply (acft) | Owner | Stream |
|-----------|---------------------------------|-----|----------|--------------------------------|------------------------|------------------------------|--------------------------------|--------------------------|
| Guadalupe | De Witt | IRR | C3855_1 | 26 | 98.8 | 0 | MRS JOHN C LEY | GUADALUPE RIVER |
| Guadalupe | De Witt | REC | P5294_1 | 15 | 73.2 | 0 | CITY OF YORKTOWN | YORKTOWN CRK |
| Guadalupe | De Witt | WRP | C3852_1 | 35 | 98.4 | 0 | JOHN BRADEN JR ET AL | GUADALUPE RIVER |
| Guadalupe | De Witt | WRP | C3854_1 | 32 | 97.2 | 0 | J D BRAMLETTE JR | GUADALUPE RIVER |
| Guadalupe | De Witt | WRP | C3851_1 | 182 | 97.4 | 0 | JACK H BOOTHE | GUADALUPE RIVER |
| Guadalupe | Gonzales | HYD | C3846_1 | 796,363 | 49.7 | 0 | CITY OF GONZALES | GUADALUPE RIVER |
| Guadalupe | Gonzales | HYD | C5172_1 | 585,599 | 53.1 | 0 | GUADALUPE-BLANCO R A H-4 | GUADALUPE RIVER |
| Guadalupe | Gonzales | HYD | C5172_2 | 574,832 | 53.7 | 0 | GUADALUPE-BLANCO R A H-5 | GUADALUPE RIVER |
| Guadalupe | Gonzales | IRR | P5037_1 | 230 | 79.9 | 0 | RICHARD D BRAMLET | SAN MARCOS RIVER |
| Guadalupe | Gonzales | IRR | P4089_1 | 830 | 80.3 | 0 | DR I V EPSTEIN | SAN MARCOS RIVER |
| Guadalupe | Gonzales | IRR | C3908_1 | 670 | 86.5 | 0 | LARRY E & PHYLIS A BROWNE | SAN MARCOS RIVER |
| Guadalupe | Gonzales | IRR | P5038_1 | 66 | 79.9 | 0 | ARTHUR DENNIS HUEBNER ET AL | SAN MARCOS RIVER |
| Guadalupe | Gonzales | IRR | P4075_1 | 225 | 69.0 | 0 | DAVID S SHELTON | GUADALUPE RIVER |
| Guadalupe | Gonzales | IRR | P4539_1 | 8 | 86.4 | 0 | T PAUL SIDES | UNNAMED TRIB COTTLE CRK |
| Guadalupe | Gonzales | IRR | C3847_1 | 250 | 98.8 | 0 | DR JAMES W NIXON JR | GUADALUPE RIVER |
| Guadalupe | Gonzales | IRR | C3848_1 | 1,800 | 100.0 | 1,800 | KING RANCH INC | GUADALUPE RIVER |
| Guadalupe | Gonzales | IRR | P3916_1 | 50 | 81.8 | 0 | DON A LIGHTSEY ET UX | SAN MARCOS RIVER |
| Guadalupe | Gonzales | MUN | C3846_2 | 2,240 | 100.0 | 2,240 | CITY OF GONZALES | GUADALUPE RIVER |
| Guadalupe | Guadalupe | HYD | C5488_1 | 663,892 | 47.0 | 0 | GUADALUPE-BLANCO R A TP-1 | GUADALUPE RIVER |
| Guadalupe | Guadalupe | HYD | C5488_2 | 659,995 | 47.2 | 0 | GUADALUPE-BLANCO R A TP-3 | GUADALUPE RIVER |
| Guadalupe | Guadalupe | HYD | C5488_3 | 655,323 | 47.3 | 0 | GUADALUPE-BLANCO R A TP-4 | GUADALUPE RIVER |
| Guadalupe | Guadalupe | HYD | C5488_4 | 624,781 | 49.2 | 0 | GUADALUPE-BLANCO R A TP-5 | GUADALUPE RIVER |
| Guadalupe | Guadalupe | HYD | CANSUBBU | 26,847 | 0.0 | 0 | GUADALUPE-BLANCO R A TP-1 | GUADALUPE RIVER |
| Guadalupe | Guadalupe | IND | C3836_1 | 25 | 100.0 | 25 | ACME BRICK COMPANY | GUADALUPE RIVER |
| Guadalupe | Guadalupe | IND | C3837_1 | 34 | 100.0 | 34 | STRUCTURAL METALS INC | GUADALUPE RIVER |
| Guadalupe | Guadalupe | IND | P5240_1 | 31 | 73.6 | 0 | H B SHANKLIN | SAN MARCOS RIVER |
| Guadalupe | Guadalupe | IRR | P5604_1 | 8 | 69.6 | 0 | ALBERT GREEN, ET UX | SAN MARCOS RIVER |
| Guadalupe | Guadalupe | IRR | C3839_3 | 200 | 100.0 | 200 | SEGUIN MUNICIPAL UTILITIES | GUADALUPE RIVER |
| Guadalupe | Guadalupe | IRR | C3835_1 | 19 | 79.7 | 0 | OTTO VOIGT | YOUNGS CRK |
| Guadalupe | Guadalupe | IRR | P4597_1 | 320 | 72.3 | 0 | JOHN T O'BANION JR ET AL | SAN MARCOS RIVER |
| Guadalupe | Guadalupe | IRR | C3841_1 | 5 | 65.7 | 0 | LEO P CLOUD JR ET AL | GERONIMO CRK |
| Guadalupe | Guadalupe | IRR | P4110_1 | 240 | 78.0 | 0 | LYNN STORM | SAN MARCOS RIVER |
| Guadalupe | Guadalupe | IRR | P3857_1 | 144 | 81.8 | 0 | ROBERT M KIEHN | SAN MARCOS RIVER |
| Guadalupe | Guadalupe | IRR | P4373_1 | 300 | 72.6 | 0 | CONTINENTAL WHOLESALE FLORISTS | SAN MARCOS RIVER |
| Guadalupe | Guadalupe | IRR | P4373_2 | 300 | 72.3 | 0 | CONTINENTAL WHOLESALE FLORISTS | SAN MARCOS RIVER |
| Guadalupe | Guadalupe | IRR | P3973_1 | 73 | 30.5 | 0 | DONALD J JOHNSON ET UX | GUADALUPE RIVER |
| Guadalupe | Guadalupe | IRR | C3842_1 | 158 | 100.0 | 158 | SARA DARILEK RAINWATER | GERONIMO CRK |
| Guadalupe | Guadalupe | IRR | C3832_1 | 44 | 100.0 | 44 | RAY E DITTMAR | GUADALUPE RIVER |
| Guadalupe | Guadalupe | IRR | C3900_2 | 500 | 86.4 | 0 | JAMES D JAMISON | UNNAMED TRIB |
| Guadalupe | Guadalupe | IRR | C3843_1 | 27 | 100.0 | 27 | LEONARD FLEMING | GUADALUPE RIVER |
| Guadalupe | Guadalupe | IRR | C3838_1 | 37 | 41.8 | 0 | DONALD E NORED | GUADALUPE RIVER |
| Guadalupe | Guadalupe | IRR | C3844_1 | 608 | 100.0 | 608 | KENNETH E CASTLE | GUADALUPE RIVER |
| Guadalupe | Guadalupe | IRR | C3834_1 | 71 | 100.0 | 71 | CANYON REGIONAL WATER AUTH | GUADALUPE RIVER |
| Guadalupe | Guadalupe | IRR | C3840_1 | 34 | 87.6 | 0 | ARNO NEUMANN | GERONIMO CRK |
| Guadalupe | Guadalupe | MUN | C3895_2 | 580 | 83.8 | 0 | STATE BANK & TRUST COMPANY | SAN MARCOS RIVER |
| Guadalupe | Guadalupe | MUN | C3839_1 | 7,000 | 100.0 | 7,000 | SEGUIN MUNICIPAL UTILITIES | GUADALUPE RIVER |
| Guadalupe | Guadalupe | MUN | C3833_1 | 56 | 100.0 | 56 | GARY A DITTMAR | GUADALUPE RIVER |
| Guadalupe | Guadalupe | MUN | C3833_2 | 5 | 100.0 | 5 | GARY A DITTMAR | GUADALUPE RIVER |
| Guadalupe | Guadalupe | MUN | C3834_2 | 19 | 100.0 | 19 | CANYON REGIONAL WATER AUTH | GUADALUPE RIVER |
| Guadalupe | Guadalupe | REC | P5121_1 | 83 | 65.8 | 0 | GUADALUPE SKI-PLEX HOME ASSOC | YORK CRK |
| Guadalupe | Hays | HYD | C3865_1 | 64,370 | 98.2 | 37,910 | SOUTHWEST TEXAS STATE UNIV | SAN MARCOS RIVER |
| Guadalupe | Hays | IND | C3869_1 | 10,000 | 100.0 | 10,000 | TEXAS PARKS & WILDLIFE DEPT | SAN MARCOS RIVER |
| Guadalupe | Hays | IND | C3865_3 | 534 | 89.8 | 0 | SOUTHWEST TEXAS STATE UNIV | SAN MARCOS RIVER |
| Guadalupe | Hays | IND | C3866_1 | 60 | 79.8 | 0 | SOUTHWEST TEXAS STATE UNIV | SAN MARCOS RIVER |
| Guadalupe | Hays | IRR | P5545_1 | 8 | 72.5 | 0 | FRANK T & PAMELA H ARNOSKY | UNNAMED TRIB |
| Guadalupe | Hays | IRR | C3884_1 | 20 | 80.4 | 0 | BRUCE COLLIE ET AL | BLANCO RIVER |
| Guadalupe | Hays | IRR | C3884_2 | 90 | 83.1 | 0 | BRUCE COLLIE ET AL | BLANCO RIVER |
| Guadalupe | Hays | IRR | P5426_1 | 165 | 73.5 | 0 | JOHN G CURRIE | LTL BLANCO RIVER |
| Guadalupe | Hays | IRR | C3881_1 | 40 | 100.0 | 40 | LYON L BRINSMADE | BLANCO RIVER |
| Guadalupe | Hays | IRR | P5371_1 | 5 | 66.2 | 0 | ROBERT BOURKE SIMPSON | UNNAMED TRIB CYPRESS CRK |
| Guadalupe | Hays | IRR | C3882_1 | 100 | 94.1 | 0 | NEWTON B THOMPSON | PIN OAK CRK |
| Guadalupe | Hays | IRR | C3868_2 | 70 | 100.0 | 70 | J R THORNTON, ET AL | SAN MARCOS RIVER |
| Guadalupe | Hays | IRR | P4027_1 | 9 | 63.7 | 0 | JESS WEBB ET UX | BLANCO RIVER |
| Guadalupe | Hays | IRR | P4027_2 | 82 | 63.7 | 0 | THOMAS L HUSBANDS ET UX | BLANCO RIVER |
| Guadalupe | Hays | IRR | C3901_1 | 100 | 32.6 | 0 | M D HEATLY SR | PECAN SPRINGS |
| Guadalupe | Hays | IRR | C3865_5 | 100 | 89.0 | 0 | SOUTHWEST TEXAS STATE UNIV | SAN MARCOS RIVER |
| Guadalupe | Hays | IRR | C3866_2 | 20 | 88.1 | 0 | SOUTHWEST TEXAS STATE UNIV | SAN MARCOS RIVER |
| Guadalupe | Hays | IRR | C3887_1 | 15 | 100.0 | 15 | GREEN VALLEY FARMS INC | SAN MARCOS RIVER |
| Guadalupe | Hays | IRR | C3902_1 | 30 | 82.7 | 0 | FRITZ OTTO ANTON | BUNTON BR |
| Guadalupe | Hays | IRR | C3866_3 | 20 | 60.5 | 0 | SOUTHWEST TEXAS STATE UNIV | SAN MARCOS RIVER |
| Guadalupe | Hays | IRR | C3887_3 | 5 | 100.0 | 5 | GREEN VALLEY FARMS INC | SAN MARCOS RIVER |
| Guadalupe | Hays | MUN | C3865_4 | 513 | 89.4 | 0 | SOUTHWEST TEXAS STATE UNIV | SAN MARCOS RIVER |
| Guadalupe | Hays | OTH | C3865_2 | 700 | 90.4 | 0 | SOUTHWEST TEXAS STATE UNIV | SAN MARCOS RIVER |
| Guadalupe | Kendall | IND | C2060_2 | 80 | 67.7 | 0 | TEXAS BEVERAGE PACKERS INC | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C2059_1 | 39 | 17.6 | 0 | ROBERT C REINARZ ET AL | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C2044_1 | 16 | 100.0 | 16 | LION'S LAIR LLC | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | P5534_1 | 20 | 72.1 | 0 | MARGOT O BURRELL | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C2061_1 | 16 | 17.6 | 0 | LOUIS SCOTT FELDER ET UX | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C2044_2 | 2 | 100.0 | 2 | PATRICIA GALT STEVES | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C2061_2 | 18 | 17.6 | 0 | MARJORIE RANZAU INGENHUETT | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C2061_3 | 37 | 17.6 | 0 | MURRAY A WINN JR | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C2049_1 | 5 | 17.6 | 0 | KENNETH M & CYNTHIA RUSCH | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C2034_1 | 2 | 96.8 | 0 | CHESTER P HEINEN ET AL | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C2066_1 | 5 | 17.8 | 0 | ROY C SMITH ESTATE | SABINAS CRK |
| Guadalupe | Kendall | IRR | P5528_1 | 49 | 72.1 | 0 | GEORGE A SCHMIDT ET UX | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | P5528_2 | 49 | 72.1 | 0 | GEORGE A SCHMIDT ET UX | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C2045_1 | 8 | 100.0 | 8 | MARSHALL STEVES | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C2062_1 | 60 | 41.5 | 0 | WILLIAM L PULS | WASP CRK |

Appendix C
Reliability Information for Water Rights in the South Central Texas Region

| Basin | County of Diversion Location(s) | Use | WR ID# | Authorized Diversion (acft/yr) | Volume Reliability (%) | Minimum Annual Supply (acft) | Owner | Stream |
|-------------|---------------------------------|-----|---------|--------------------------------|------------------------|------------------------------|--------------------------------|------------------------------|
| Guadalupe | Kendall | IRR | C2051_1 | 2 | 86.4 | 0 | JOE B. KERCHVILLE | JOSHUA CRK |
| Guadalupe | Kendall | IRR | C2051_2 | 260 | 83.5 | 0 | JOE B. KERCHVILLE | JOSHUA CRK |
| Guadalupe | Kendall | IRR | P5321_1 | 150 | 78.5 | 0 | LARRY J LANGBEIN | E SISTER CRK |
| Guadalupe | Kendall | IRR | C2035_1 | 2 | 17.6 | 0 | HARRY C MECKEL | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C2067_1 | 20 | 17.8 | 0 | TY RAMPY ET AL | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C2041_1 | 25 | 87.2 | 0 | THOMAS L BRUNDAGE ET AL | CYPRESS CRK |
| Guadalupe | Kendall | IRR | C2056_1 | 20 | 52.0 | 0 | MARK E. WATSON, JR., ET UX | WILLIE CRK |
| Guadalupe | Kendall | IRR | C2067_2 | 20 | 46.1 | 0 | TY RAMPY ET AL | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C2041_2 | 109 | 86.3 | 0 | THOMAS L BRUNDAGE ET AL | CYPRESS CRK |
| Guadalupe | Kendall | IRR | P5490_1 | 10 | 72.1 | 0 | BILLY J. & KARAN R. BOLES | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C2046_1 | 28 | 17.8 | 0 | WILLIAM G & MILDRED D SPROWLS | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | P5474_1 | 10 | 72.1 | 0 | ELTON RUST | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C2063_1 | 44 | 89.7 | 0 | FROST-LANCASTER PROPERTIES | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C2052_1 | 232 | 89.7 | 0 | ZARCO FOWARDING, INC | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C2063_2 | 15 | 89.7 | 0 | RONALD L BAETZ ET AL | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C3870_1 | 3 | 99.0 | 0 | PATRICIA RYAN | BLANCO RIVER |
| Guadalupe | Kendall | IRR | C3870_2 | 22 | 98.8 | 0 | T R IMMEL ET UX | BLANCO RIVER |
| Guadalupe | Kendall | IRR | C2036_1 | 125 | 42.9 | 0 | WILLIAM K ANDERSON ET UX | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C2057_1 | 25 | 52.5 | 0 | MARK E. WATSON, JR., ET UX | ASKEY CRK |
| Guadalupe | Kendall | IRR | P4590_1 | 50 | 17.0 | 0 | GEORGE M WILLIAMS SR ET AL | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | P5107_1 | 518 | 84.3 | 0 | WILLIAM K ANDERSON ET UX | UNNAMED TRIB GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C2047_1 | 20 | 89.7 | 0 | H C SEIDENSTICKER | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C2064_1 | 4 | 97.9 | 0 | EARL S DODERER ET UX | SABINAS CRK |
| Guadalupe | Kendall | IRR | C2064_2 | 8 | 96.3 | 0 | SYBIL R JONES CO-TRUSTEE ET AL | SABINAS CRK |
| Guadalupe | Kendall | IRR | C2053_1 | 32 | 17.6 | 0 | ERNO SPENRATH | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C2069_1 | 30 | 95.4 | 0 | DOUBLE U-SPRING BRANCH | SIMMONS CRK |
| Guadalupe | Kendall | IRR | C2058_1 | 40 | 17.6 | 0 | OTTO KASTEN | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C2043_1 | 17 | 17.1 | 0 | EDGAR SEIDENSTICKER ET UX | CYPRESS CRK |
| Guadalupe | Kendall | IRR | P5501_1 | 5 | 16.8 | 0 | BARRY T & KATHRYN B NALL | FLAT ROCK CRK |
| Guadalupe | Kendall | IRR | C2060_1 | 10 | 17.6 | 0 | TEXAS BEVERAGE PACKERS INC | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C2043_2 | 4 | 17.2 | 0 | L J MANNERING ET UX | CYPRESS CRK |
| Guadalupe | Kendall | IRR | C2043_3 | 20 | 17.1 | 0 | MARY LEE EDWARDS | CYPRESS CRK |
| Guadalupe | Kendall | IRR | C2048_1 | 100 | 19.9 | 0 | RAYMOND JAMES ROSE | BLOCK CRK |
| Guadalupe | Kendall | IRR | C2065_1 | 10 | 17.5 | 0 | G PHIL BERRYMAN ET UX | SABINAS CRK |
| Guadalupe | Kendall | IRR | C2065_2 | 10 | 17.5 | 0 | GUY BODINE III ET UX | SABINAS CRK |
| Guadalupe | Kendall | IRR | C2054_1 | 80 | 17.6 | 0 | EDMUND BEHR ESTATE | GUADALUPE RIVER |
| Guadalupe | Kendall | IRR | C2050_2 | 136 | 72.0 | 0 | ERWIN KLEMSTEIN | GUADALUPE RIVER |
| Guadalupe | Victoria | IND | C3859_1 | 1,900 | 90.3 | 0 | SOUTH TEXAS ELECTRIC COOP INC | GUADALUPE RIVER |
| Guadalupe | Victoria | IND | P5376_1 | 2 | 100.0 | 2 | HELDENFELS BROTHERS INC | SPRING CRK |
| Guadalupe | Victoria | IND | C5486_1 | 24,160 | 100.0 | 24,160 | CENTRAL POWER & LIGHT CO | COLETO CREEK |
| Guadalupe | Victoria | IND | P3895_1 | 9,676 | 94.3 | 0 | KATE S O'CONNOR TRUST | GUADALUPE RIVER |
| Guadalupe | Victoria | IND | C5485_1 | 209,189 | 94.1 | 0 | CENTRAL POWER & LIGHT CO | GUADALUPE RIVER |
| Guadalupe | Victoria | IND | C3861_1 | 55,000 | 99.8 | 28,874 | INVISTA | GUADALUPE RIVER |
| Guadalupe | Victoria | IND | C3861_2 | 5,000 | 99.3 | 0 | E I DU PONT DE NEMOURS | GUADALUPE RIVER |
| Guadalupe | Victoria | IRR | P4441_1 | 200 | 84.4 | 0 | S F RUSCHHAUPT III | GUADALUPE RIVER |
| Guadalupe | Victoria | IRR | C3858_1 | 1,000 | 98.8 | 0 | FIRST VICTORIA NATL BANK, TRST | GUADALUPE RIVER |
| Guadalupe | Victoria | IRR | P4182_1 | 200 | 84.4 | 0 | MAXINE ROBSON KYLE ET AL | GUADALUPE RIVER |
| Guadalupe | Victoria | IRR | P4062_1 | 90 | 84.6 | 0 | RONALD A KURTZ ET UX | GUADALUPE RIVER |
| Guadalupe | Victoria | IRR | P4020_1 | 100 | 84.6 | 0 | NELSON PANTEL | GUADALUPE RIVER |
| Guadalupe | Victoria | IRR | C3862_1 | 263 | 100.0 | 263 | BIG RACK LTD | GUADALUPE RIVER |
| Guadalupe | Victoria | IRR | C3862_2 | 137 | 100.0 | 137 | E I DUPONT DE NEMOURS & CO | GUADALUPE RIVER |
| Guadalupe | Victoria | IRR | P5012_1 | 140 | 62.8 | 0 | JOE D. HAWES | ELM BAYOU |
| Guadalupe | Victoria | MUN | P5466_1 | 20,000 | 85.3 | 0 | VICTORIA, CITY OF | GUADALUPE RIVER |
| Guadalupe | Victoria | MUN | C3860_2 | 260 | 78.7 | 0 | W L LIPSCOMB ET AL | GUADALUPE RIVER |
| Guadalupe | Victoria | OTH | P5489_1 | 750 | 88.4 | 0 | JESS Y WOMACK II | CUSHMAN BAYOU |
| San Antonio | Bexar | IND | P5469_2 | 1,500 | 68.0 | 0 | HAUSMAN ROAD W S C | LEON CRK |
| San Antonio | Bexar | IND | C2161_1 | 12,000 | 97.9 | 0 | CITY OF SAN ANTONIO | Arroyo Seco/San Antonio R. |
| San Antonio | Bexar | IND | C2162_2 | 60,000 | 95.5 | 0 | CITY OF SAN ANTONIO | Arroyo Seco/San Antonio R. |
| San Antonio | Bexar | IND | C2162_3 | 36,900 | 100.0 | 36,900 | CITY OF SAN ANTONIO | Arroyo Seco/San Antonio R. |
| San Antonio | Bexar | IND | C2162_5 | 11 | 100.0 | 11 | CITY OF SAN ANTONIO | Arroyo Seco/San Antonio R. |
| San Antonio | Bexar | IND | P5337_1 | 25 | 36.9 | 0 | H B ZACHRY CO | SIX MILE CRK |
| San Antonio | Bexar | IRR | P4187_2 | 333 | 74.2 | 0 | LOTTIE WALSH MAHLA ESTATE | LEON CRK |
| San Antonio | Bexar | IRR | P4187_3 | 86 | 9.2 | 0 | LOTTIE WALSH MAHLA ESTATE | LEON CRK |
| San Antonio | Bexar | IRR | C1960_1 | 20 | 38.9 | 0 | JOHN O SPICE | SALADO CRK |
| San Antonio | Bexar | IRR | P5503_1 | 220 | 55.7 | 0 | O-SPORTS GOLF DEVELOPMENT II | PANTHER SPRING CRK |
| San Antonio | Bexar | IRR | C2145_1 | 32 | 93.5 | 0 | JERRY & MARIAM SPEARS | MEDINA RIVER |
| San Antonio | Bexar | IRR | P3476_1 | 100 | 75.0 | 0 | SAN ANTONIO RANCH LTD | UNNAMED OF LOS REYES CRK |
| San Antonio | Bexar | IRR | C2141_1 | 75 | 82.2 | 0 | BIPPERT FARMS | E BR BIG SOUS CRK |
| San Antonio | Bexar | IRR | C2146_1 | 215 | 100.0 | 215 | BURRELL DAY | MEDINA RIVER |
| San Antonio | Bexar | IRR | C2142_1 | 197 | 89.9 | 0 | ANTONIO MARIO FERNANDEZ | MEDINA RIVER |
| San Antonio | Bexar | IRR | C2142_2 | 3 | 87.8 | 0 | BEXAR, COUNTY OF | MEDINA RIVER |
| San Antonio | Bexar | IRR | P4141_3 | 179 | 69.9 | 0 | JOHN POWELL WALKER TRUSTEE | LEON CRK |
| San Antonio | Bexar | IRR | P4141_4 | 77 | 69.9 | 0 | PEOPLES SAVINGS & LOAN ASSN | LEON CRK |
| San Antonio | Bexar | IRR | C2159_1 | 60 | 100.0 | 60 | CITY OF SAN ANTONIO | SAN ANTONIO RIVER |
| San Antonio | Bexar | IRR | C2150_1 | 62 | 98.3 | 0 | ANGELINA BORDANO | LEON CRK |
| San Antonio | Bexar | IRR | C1170_1 | 17 | 99.8 | 4 | JAMES N EVANS SR ET AL | MARTINEZ |
| San Antonio | Bexar | IRR | P4135_1 | 200 | 72.0 | 0 | BESSIE WALSH | MEDINA RIVER |
| San Antonio | Bexar | IRR | P4497_1 | 20 | 80.5 | 0 | | |
| San Antonio | Bexar | IRR | P4497_2 | 186 | 80.2 | 0 | | |
| San Antonio | Bexar | IRR | P4294_1 | 40 | 99.4 | 0 | MARY HARPER TUDHOPE | PARITA CRK |
| San Antonio | Bexar | IRR | P5289_1 | 300 | 31.9 | 0 | SOUTHEAST INVESTMENTS INC | ROSILLO CRK |
| San Antonio | Bexar | IRR | C2149_1 | 32 | 98.9 | 5 | RANDALL S PREISSIG TRUSTEE | LEON CRK |
| San Antonio | Bexar | IRR | P3888_1 | 290 | 72.6 | 0 | ALAN D BARIBEAU ET UX | MEDINA RIVER |
| San Antonio | Bexar | IRR | C2155_1 | 240 | 100.0 | 240 | LES MENDELSON | MEDINA RIVER |
| San Antonio | Bexar | IRR | C1944_1 | 16 | 47.9 | 0 | SAN ANTONIO MISSIONS NATL PARK | SAN ANTONIO RIVER |
| San Antonio | Bexar | IRR | C1933_1 | 480 | 80.1 | 0 | MISSION CEMETERY CO | SAN ANTONIO RIVER |
| San Antonio | Bexar | IRR | C1965_1 | 300 | 45.1 | 0 | LOMAS SANTA FE LTD | SALADO CRK |
| San Antonio | Bexar | IRR | P5577_1 | 420 | 70.0 | 0 | ROBERT L G WATSON | SAN ANTONIO RIVER |

Appendix C
Reliability Information for Water Rights in the South Central Texas Region

| Basin | County of Diversion Location(s) | Use | WR ID# | Authorized Diversion (acft/yr) | Volume Reliability (%) | Minimum Annual Supply (acft) | Owner | Stream |
|-------------|---------------------------------|-----|---------|--------------------------------|------------------------|------------------------------|--------------------------------|----------------------------|
| San Antonio | Bexar | IRR | C2151_1 | 1,500 | 74.2 | 0 | SOUTH LOOP LAND & CATTLE LC | SAUZ CRK |
| San Antonio | Bexar | IRR | P4136_1 | 124 | 72.0 | 0 | SAWS | MEDINA RIVER |
| San Antonio | Bexar | IRR | C2151_2 | 388 | 16.2 | 0 | SOUTH LOOP LAND & CATTLE LC | SAUZ CRK |
| San Antonio | Bexar | IRR | P4498_1 | 83 | 79.9 | 0 | VIRGINIA JAKSIK | MARTINEZ CRK |
| San Antonio | Bexar | IRR | P4105_1 | 150 | 89.0 | 0 | CITY OF LIVE OAK | SALITRILLO CRK |
| San Antonio | Bexar | IRR | C2156_1 | 294 | 100.0 | 294 | CITY OF SAN ANTONIO | MEDINA RIVER |
| San Antonio | Bexar | IRR | C2152_1 | 409 | 81.9 | 0 | CAROLYN VANCE COOK | MITCHELL LAKE |
| San Antonio | Bexar | IRR | P4137_1 | 34 | 72.9 | 0 | SAWS | MEDINA RIVER |
| San Antonio | Bexar | IRR | P4499_1 | 54 | 79.9 | 0 | JOSEPH M STANUSH ET AL | MARTINEZ CRK |
| San Antonio | Bexar | IRR | P5265_1 | 35 | 76.9 | 0 | MARY JAKSIK ZIGMOND | MARTINEZ CRK |
| San Antonio | Bexar | IRR | C2157_1 | 50 | 100.0 | 50 | LOUIS PAWELEK | SAN ANTONIO RIVER |
| San Antonio | Bexar | IRR | C1962_1 | 10 | 45.2 | 0 | JULIA H. KUSENER JACQUET ET AL | SALADO CRK |
| San Antonio | Bexar | IRR | C2147_1 | 28 | 95.0 | 0 | JOSE LUIS AMADOR | ELM CRK |
| San Antonio | Bexar | IRR | P4138_1 | 126 | 72.0 | 0 | JOHN H SMALL | MEDINA RIVER |
| San Antonio | Bexar | IRR | P4138_2 | 23 | 72.4 | 0 | SAN ANTONIO WATER SYSTEM | MEDINA RIVER |
| San Antonio | Bexar | IRR | P5266_1 | 45 | 59.5 | 0 | RANDALL K HOOVER ET UX | SAN ANTONIO RIVER |
| San Antonio | Bexar | IRR | C1942_1 | 886 | 97.5 | 40 | ESPADA DITCH COMPANY | SAN ANTONIO RIVER |
| San Antonio | Bexar | IRR | C1146_1 | 26 | 99.1 | 0 | CIBOLO CREEK MUNICIPAL AUTH | CIBOLO CRK |
| San Antonio | Bexar | IRR | C1931_1 | 1,440 | 99.5 | 973 | SAN JUAN DITCH WSC | SAN ANTONIO RIVER |
| San Antonio | Bexar | IRR | C2158_1 | 24 | 100.0 | 24 | JOE S GARCIA JR ET UX | SAN ANTONIO RIVER |
| San Antonio | Bexar | IRR | C1146_2 | 62 | 96.6 | 0 | DOUG WISE | CIBOLO CRK |
| San Antonio | Bexar | IRR | C1146_3 | 5 | 92.1 | 0 | JOHN E NEWTON ET AL | CIBOLO CRK |
| San Antonio | Bexar | IRR | C1146_4 | 8 | 91.4 | 0 | JOHN K KOHLHAAS | CIBOLO CRK |
| San Antonio | Bexar | IRR | P4134_1 | 200 | 71.3 | 0 | ANITA T WALSH ESTATE | MEDINA RIVER |
| San Antonio | Bexar | IRR | P4187_1 | 333 | 71.0 | 0 | LOTTIE WALSH MAHLA ESTATE | LEON CRK |
| San Antonio | Bexar | IRR | P4496_1 | 30 | 80.5 | 0 | WILLIAM WALLS JR | MARTINEZ CRK |
| San Antonio | Bexar | IRR | C2148_1 | 8 | 92.6 | 0 | DONALD G RAMBIE | ELM CRK |
| San Antonio | Bexar | IRR | P5262_1 | 250 | 34.5 | 0 | ANTHONY J GRANIERI | E CHANNEL |
| San Antonio | Bexar | IRR | C2154_2 | 200 | 52.0 | 0 | ARNOLD ALBERT | MITCHELL LAKE |
| San Antonio | Bexar | IRR | P4139_1 | 200 | 71.4 | 0 | BESSIE WALSH | LEON CRK |
| San Antonio | Bexar | IRR | C2160_1 | 116 | 100.0 | 116 | BEN B MORRIS ESTATE | SAN ANTONIO RIVER |
| San Antonio | Bexar | IRR | P4141_1 | 20 | 70.7 | 0 | GULF LAND & INVESTMENT CO INC | LEON CRK |
| San Antonio | Bexar | IRR | P4141_2 | 23 | 70.5 | 0 | H H GIRDLEY TRUSTEE | LEON CRK |
| San Antonio | Bexar | MIN | P4025_1 | 431 | 74.9 | 0 | CAPITOL AGGREGATES INC | MEDINA RIVER |
| San Antonio | Bexar | MIN | P4025_2 | 769 | 73.5 | 0 | CAPITOL AGGREGATES INC | MEDINA RIVER |
| San Antonio | Bexar | MIN | P4025_3 | 3,304 | 51.7 | 0 | CAPITOL AGGREGATES INC | MEDINA RIVER |
| San Antonio | Bexar | MUN | C2140_1 | 963 | 78.5 | 0 | METROPOLITAN RESOURCES INC | MEDINA RIVER |
| San Antonio | Bexar | MUN | P5598_1 | 120 | 74.6 | 0 | VERSTRAETEN BROTHERS FARMS INC | LONG HOLLOW CRK |
| San Antonio | Bexar | MUN | C4768_1 | 89 | 100.0 | 89 | BEXAR METROPOLITAN WATER DIST | MEDIO CRK |
| San Antonio | Bexar | MUN | C4768_2 | 417 | 100.0 | 417 | BEXAR METROPOLITAN WATER DIST | MEDIO CRK |
| San Antonio | Bexar | MUN | C4768_3 | 4,494 | 99.4 | 3,226 | BEXAR METROPOLITAN WATER DIST | Medio Cr. & Medina R. |
| San Antonio | Bexar | MUN | P5549_1 | 2,250 | 51.1 | 0 | BEXAR METROPOLITAN WATER DIST | POLECAT CRK |
| San Antonio | Bexar | MUN | C2144_1 | 215 | 97.8 | 74 | BEXAR METROPOLITAN WATER DIST | MEDIO CRK |
| San Antonio | Bexar | MUN | C2144_2 | 93 | 94.0 | 0 | BEXAR METROPOLITAN WATER DIST | MEDIO CRK |
| San Antonio | Bexar | MUN | C2144_3 | 308 | 57.6 | 0 | BEXAR METROPOLITAN WATER DIST | MEDIO CRK |
| San Antonio | Bexar | MUN | P5211_1 | 100 | 71.2 | 0 | LONE STAR GROWERS CO | MEDINA RIVER |
| San Antonio | Bexar | MUN | P5211_2 | 2,900 | 50.0 | 0 | LONE STAR GROWERS CO | MEDINA RIVER |
| San Antonio | Bexar | MUN | C2130_6 | 19,974 | 92.0 | 0 | BEXAR-MEDINA-ATASCOSA COS WCID | MEDINA RIVER |
| San Antonio | Bexar | MUN | SANTE_2 | 156 | 59.6 | 0 | | |
| San Antonio | Bexar | MUN | P4136_2 | 276 | 72.3 | 0 | BMWD | MEDINA RIVER |
| San Antonio | Bexar | MUN | P4137_2 | 566 | 72.2 | 0 | BMWD | MEDINA RIVER |
| San Antonio | Bexar | MUN | P4138_3 | 152 | 72.3 | 0 | BMWD | MEDINA RIVER |
| San Antonio | Bexar | MUN | P5517_1 | 7,500 | 62.9 | 0 | LEON CREEK WSC | LEON CRK |
| San Antonio | Bexar | MUN | C1959_1 | 150 | 97.9 | 0 | BEXAR METROPOLITAN WATER DIST | SAN ANTONIO RIVER |
| San Antonio | Bexar | MUN | C2162_4 | 100 | 100.0 | 100 | CITY OF SAN ANTONIO | Arroyo Seco/San Antonio R. |
| San Antonio | Bexar | MUN | C1966_1 | 481 | 99.9 | 239 | BEXAR METROPOLITAN WATER DIST | SAN ANTONIO RIVER |
| San Antonio | Bexar | REC | C2019_1 | 241 | 100.0 | 241 | THE BLUE WING CLUB | SAN ANTONIO RIVER |
| San Antonio | Bexar | REC | C2019_2 | 509 | 100.0 | 509 | THE BLUE WING CLUB | SAN ANTONIO RIVER |
| San Antonio | Bexar | REC | C2019_3 | 250 | 55.7 | 0 | THE BLUE WING CLUB | SAN ANTONIO RIVER |
| San Antonio | Bexar | WRP | P5596_1 | 770 | 47.4 | 0 | BILLY T MITCHELL | MEDINA RIVER |
| San Antonio | Goliad | IRR | C2196_1 | 336 | 100.0 | 336 | COLETO CATTLE COMPANY | SAN ANTONIO RIVER |
| San Antonio | Goliad | IRR | P5079_1 | 114 | 93.6 | 0 | JOHN C & SHERRY BROOKE | SAN ANTONIO RIVER |
| San Antonio | Goliad | IRR | C2197_1 | 86 | 96.4 | 0 | JAMES M PETTUS II | SAN ANTONIO RIVER |
| San Antonio | Goliad | IRR | C2193_1 | 284 | 96.4 | 0 | JAMES M PETTUS ET AL | SAN ANTONIO RIVER |
| San Antonio | Goliad | IRR | P5478_1 | 300 | 75.1 | 0 | PATRICIA PITTMAN LIGHT | SAN ANTONIO RIVER |
| San Antonio | Goliad | IRR | C2198_2 | 333 | 100.0 | 333 | SAM HOUSTON CLINTON | SAN ANTONIO RIVER |
| San Antonio | Goliad | IRR | C2194_1 | 1,020 | 100.0 | 1,020 | JULIA GANTT NEWTON ET AL | SAN ANTONIO RIVER |
| San Antonio | Goliad | IRR | C2199_1 | 325 | 100.0 | 325 | SAM HOUSTON CLINTON ET AL | SAN ANTONIO RIVER |
| San Antonio | Goliad | IRR | P4117_1 | 950 | 93.9 | 0 | JUNE PETTUS | SAN ANTONIO RIVER |
| San Antonio | Goliad | IRR | P5313_1 | 100 | 99.7 | 1 | EDWIN JACOBSON ET AL | SAN ANTONIO RIVER |
| San Antonio | Goliad | IRR | P5220_1 | 90 | 93.6 | 0 | CLARENCE F SCHENDEL ET UX | SAN ANTONIO RIVER |
| San Antonio | Goliad | WRP | C2195_1 | 410 | 100.0 | 410 | JOE F FRENCH | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P5622_1 | 240 | 70.0 | 0 | JAY E BAKER ET AL | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P3803_1 | 80 | 89.4 | 0 | OLIVE L RIDLEY ET AL | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P3803_2 | 80 | 89.4 | 0 | OLIVE L RIDLEY ET AL | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P5367_1 | 300 | 74.9 | 0 | SUSIE LEE YANTA | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | C2186_1 | 70 | 94.2 | 0 | VINCENT LABUS JR | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P3808_1 | 232 | 75.4 | 0 | FLAVIAN B MOCZYEMBA | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | C2192_1 | 140 | 100.0 | 140 | HALLIS DAVENPORT REVC MAN TR | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P3767_1 | 20 | 93.9 | 0 | FELIX MOCZYEMBA | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P4512_1 | 160 | 94.1 | 0 | OLIVE L RIDLEY ET AL | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P3852_1 | 50 | 89.2 | 0 | THOMAS A KORZEKWA | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P3852_2 | 25 | 71.9 | 0 | THOMAS A KORZEKWA | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P4407_1 | 50 | 89.2 | 0 | TOMMY NAJVAR ET UX | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P5043_1 | 150 | 93.6 | 0 | MELANIE A JACOBS ET AL | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P4538_1 | 150 | 89.2 | 0 | ALICE P JENDRUSCH ET AL | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P4561_1 | 525 | 89.2 | 0 | RIO GRANDE RESOURCES CORP | CIBOLO CRK |
| San Antonio | Karnes | IRR | P5368_1 | 300 | 74.9 | 0 | ARTHUR RAY YANTA ET UX | SAN ANTONIO RIVER |

Appendix C
Reliability Information for Water Rights in the South Central Texas Region

| Basin | County of Diversion Location(s) | Use | WR ID# | Authorized Diversion (acft/yr) | Volume Reliability (%) | Minimum Annual Supply (acft) | Owner | Stream |
|-------------|---------------------------------|-----|---------|--------------------------------|------------------------|------------------------------|--------------------------------|-------------------------------|
| San Antonio | Karnes | IRR | P5002_1 | 150 | 89.2 | 0 | WM A JEFFERS JR & ANN JACKSON | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P5296_1 | 74 | 89.3 | 0 | DENNIS J MOY | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P5044_1 | 150 | 89.2 | 0 | CHARLES WAYNE HUBBARD ET AL | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | C2183_2 | 100 | 100.0 | 100 | B. PAWELEK/YANTA | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P4503_1 | 55 | 75.7 | 0 | HENRY D STRINGER JR | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | C2188_1 | 40 | 93.9 | 0 | ALFRED MOCZYGEMBA | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P4002_1 | 80 | 80.7 | 0 | CASPER F MOCZYGEMBA JR ET AL | CIBOLO CRK |
| San Antonio | Karnes | IRR | P4490_1 | 90 | 75.4 | 0 | DANIEL R ANDERSON ET AL | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P5532_1 | 3 | 72.2 | 0 | FELIX BRONDER | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P5062_1 | 100 | 89.2 | 0 | ALFRED J RAHE | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P5333_1 | 90 | 75.0 | 0 | HECTOR O HERRERA, ET UX | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P5333_2 | 300 | 74.7 | 0 | HECTOR O HERRERA, ET UX | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | C2184_1 | 120 | 82.2 | 0 | BONNIE SKLOSS | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | C2184_2 | 80 | 75.5 | 0 | BONNIE SKLOSS | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | C2190_1 | 100 | 100.0 | 100 | FLORENCE S BAUMANN ET AL | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | C1167_1 | 5 | 100.0 | 5 | FRANK B KRAWIETZ | CIBOLO CRK |
| San Antonio | Karnes | IRR | P5306_1 | 200 | 89.2 | 0 | HERBERT JOHN EWALD JR ET AL | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P5323_1 | 100 | 75.0 | 0 | WILLIAM I DUBEL | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P3431_1 | 60 | 93.9 | 0 | ANDREW RIVES ET UX | CIBOLO CRK |
| San Antonio | Karnes | IRR | P5239_1 | 4 | 89.2 | 0 | HOLY TRINITY CATHOLIC CHURCH | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P4536_1 | 100 | 89.2 | 0 | JAMES M & NANCY W BAILEY | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P4536_2 | 200 | 89.2 | 0 | JAMES M & NANCY W BAILEY | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | C2185_1 | 90 | 93.9 | 0 | FRANCIS MOY & MARY MOY KOWALIK | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P5455_1 | 3 | 74.7 | 0 | DAVID C. "CHARLIE" ZUNKER | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | P3851_1 | 50 | 89.2 | 0 | SAM M. KORZEKWA | SAN ANTONIO RIVER |
| San Antonio | Karnes | IRR | C1168_1 | 30 | 100.0 | 30 | ALOYS PAWELEK | CIBOLO CRK |
| San Antonio | Karnes | WRP | C2189_1 | 350 | 100.0 | 350 | CLEM R CANNON ET AL | SAN ANTONIO RIVER |
| San Antonio | Kendall | IRR | C1144_1 | 48 | 97.2 | 0 | WILLIS JAY HARPOLE | FREDERICK CRK |
| San Antonio | Kendall | IRR | C1144_2 | 7 | 97.0 | 0 | WILLIS JAY HARPOLE | ROBROY CRK |
| San Antonio | Kendall | IRR | C1142_1 | 4 | 94.2 | 0 | JEB B MAEBIUS JR ET UX | CIBOLO CRK |
| San Antonio | Kendall | MUN | C1143_1 | 523 | 99.1 | 0 | CITY OF BOERNE | CIBOLO CRK |
| San Antonio | Kendall | MUN | C1143_2 | 310 | 99.0 | 0 | CITY OF BOERNE | CIBOLO CRK |
| San Antonio | Medina | IRR | C2133_1 | 18 | 91.3 | 0 | HARLEY & DOROTHY TSCHIRHART | MEDINA RIVER |
| San Antonio | Medina | IRR | C2134_1 | 17 | 93.3 | 0 | GLENNIS W STEIN | MEDINA RIVER |
| San Antonio | Medina | IRR | C2139_1 | 112 | 92.1 | 0 | A L GILLIAM | MEDINA RIVER |
| San Antonio | Medina | IRR | C2130_4 | 45,856 | 89.4 | 0 | BEXAR-MEDINA-ATASCOSA COS WCID | MEDINA RIVER |
| San Antonio | Medina | IRR | P4170_1 | 15 | 70.4 | 0 | TWAIN J JAGGE ET UX | MEDINA RIVER |
| San Antonio | Medina | IRR | C2135_1 | 5 | 96.8 | 0 | KITTIE NELSON FERGUSON | SAN GERONIMO CRK |
| San Antonio | Medina | IRR | P4159_1 | 50 | 70.6 | 0 | MARIE I HABY ET AL | MEDINA RIVER |
| San Antonio | Medina | IRR | C2136_1 | 6 | 90.1 | 0 | KITTIE NELSON FERGUSON | UNNAMED TRIB SAN GERONIMO CRK |
| San Antonio | Medina | IRR | P4149_1 | 20 | 70.7 | 0 | GLENNIS W STEIN | MEDINA RIVER |
| San Antonio | Medina | IRR | P4140_1 | 185 | 70.1 | 0 | KATHLEEN DAVENPORT CARSKADEN | MEDINA RIVER |
| San Antonio | Medina | IRR | P4151_1 | 170 | 70.3 | 0 | JAMES A OPPELT ET UX | MEDINA RIVER |
| San Antonio | Medina | MUN | C2130_1 | 750 | 96.1 | 0 | BEXAR-MEDINA-ATASCOSA COS WCID | MEDINA RIVER |
| San Antonio | Medina | MUN | C2130_2 | 170 | 96.1 | 0 | BEXAR-MEDINA-ATASCOSA COS WCID | MEDINA RIVER |
| San Antonio | Medina | RCG | P3220_1 | 9,996 | 8.5 | 0 | EDWARDS UNDERGROUND WD | SAN GERONIMO |
| San Antonio | Wilson | IRR | P5633_1 | 130 | 93.9 | 0 | LOUIS T. AND SONIA ROSENBERG | UNNAMED TRIB SAN ANTONIO |
| San Antonio | Wilson | IRR | P5633_2 | 8 | 0.0 | 0 | LOUIS T. AND SONIA ROSENBERG | UNNAMED TRIB SAN ANTONIO |
| San Antonio | Wilson | IRR | P5611_1 | 175 | 63.6 | 0 | ELIAS DUGI, ET UX | CIBOLO CREEK |
| San Antonio | Wilson | IRR | C2181_1 | 64 | 100.0 | 64 | FRED J LYSSY ET AL | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2181_2 | 157 | 75.4 | 0 | FRED J LYSSY ET AL | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2181_3 | 159 | 75.4 | 0 | FRED J LYSSY ET AL | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C1158_1 | 30 | 96.4 | 0 | VIVA LEA MILLS | CIBOLO CRK |
| San Antonio | Wilson | IRR | C1164_1 | 6 | 96.8 | 0 | JANE LYSSY OPIELA ET AL | CIBOLO CRK |
| San Antonio | Wilson | IRR | P5320_1 | 200 | 65.7 | 0 | SHELBY KOEHLER ET UX | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2165_1 | 50 | 94.1 | 0 | ED WISEMAN MARITAL TRUST | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2165_2 | 70 | 65.8 | 0 | ED WISEMAN MARITAL TRUST | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2171_1 | 63 | 100.0 | 63 | R C CARROLL | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C1154_1 | 69 | 100.0 | 69 | JONAH H WILSON | CIBOLO CRK |
| San Antonio | Wilson | IRR | P5308_1 | 100 | 70.0 | 0 | SAM JARZOMBKE | CIBOLO CRK |
| San Antonio | Wilson | IRR | C1160_1 | 140 | 96.4 | 0 | MRS MAGGIE WEBER | CIBOLO CRK |
| San Antonio | Wilson | IRR | P5587_1 | 300 | 49.9 | 0 | ALOIS D KOLLODZIEJ ET UX | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2176_1 | 105 | 100.0 | 105 | POTH LAND & CATTLE CO | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | P5126_1 | 150 | 75.4 | 0 | WILLIAM M PAVLISKA | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2176_2 | 145 | 66.9 | 0 | POTH LAND & CATTLE CO | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2182_1 | 700 | 93.9 | 0 | LEO V LYSSY ET AL | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | P3994_1 | 1,056 | 75.3 | 0 | BOENING ENTERPRISES | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2182_2 | 166 | 66.9 | 0 | LEO V LYSSY ET AL | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C1159_1 | 0 | 96.4 | 0 | DEBORAH M IRWIN ET VIR | CIBOLO CRK |
| San Antonio | Wilson | IRR | C1148_1 | 11 | 100.0 | 11 | ALLAN G LYNHAM ET UX | CIBOLO CRK |
| San Antonio | Wilson | IRR | C1159_2 | 13 | 96.4 | 0 | GAYLON T CLICK ET UX | CIBOLO CRK |
| San Antonio | Wilson | IRR | C1165_1 | 4 | 100.0 | 4 | EMERYK KELLER | CIBOLO CRK |
| San Antonio | Wilson | IRR | C1150_1 | 200 | 100.0 | 200 | PAT HIGGINS ESTATE | CIBOLO CRK |
| San Antonio | Wilson | IRR | C1159_3 | 16 | 96.4 | 0 | GAYLON T CLICK ET UX | CIBOLO CRK |
| San Antonio | Wilson | IRR | C1159_4 | 7 | 96.4 | 0 | PATRICK NEIDORF | CIBOLO CRK |
| San Antonio | Wilson | IRR | C1171_1 | 80 | 100.0 | 80 | ROSS OWEN SCULL | CIBOLO CRK |
| San Antonio | Wilson | IRR | C2166_1 | 105 | 98.8 | 0 | NICK KOLENDA | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C1159_5 | 3 | 96.4 | 0 | WAYNE DODD ET AL TRUSTEES | CIBOLO CRK |
| San Antonio | Wilson | IRR | C1171_2 | 250 | 89.2 | 0 | ROSS OWEN SCULL | CIBOLO CRK |
| San Antonio | Wilson | IRR | P4121_1 | 38 | 75.6 | 0 | BENITO D. CABRIALES ET UX | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2166_2 | 95 | 66.9 | 0 | NICK KOLENDA | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2172_1 | 18 | 100.0 | 18 | CLYDE R MAHA ET AL | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C1171_3 | 330 | 79.1 | 0 | ROSS OWEN SCULL | CIBOLO CRK |
| San Antonio | Wilson | IRR | P5395_1 | 254 | 65.6 | 0 | RENATO MARTINEZ ET UX | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | P5395_2 | 450 | 64.0 | 0 | RENATO MARTINEZ ET UX | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | P5243_1 | 54 | 75.5 | 0 | FRANK R BOLF | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | P5499_1 | 50 | 64.1 | 0 | GARY ZOOK, ET UX | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | P5264_1 | 130 | 66.9 | 0 | LILLIAN S WISEMAN TRUST ET AL | SAN ANTONIO RIVER |

Appendix C
Reliability Information for Water Rights in the South Central Texas Region

| Basin | County of Diversion Location(s) | Use | WR ID# | Authorized Diversion (acft/yr) | Volume Reliability (%) | Minimum Annual Supply (acft) | Owner | Stream |
|-------------|---------------------------------|-----|---------|--------------------------------|------------------------|------------------------------|-------------------------------|-------------------------------|
| San Antonio | Wilson | IRR | C1161_1 | 15 | 96.4 | 0 | JOHN DRZYMALA | CIBOLO CRK |
| San Antonio | Wilson | IRR | C2177_1 | 81 | 100.0 | 81 | FRANK & J A LABUS | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | P5171_1 | 200 | 75.4 | 0 | MESCALERO PROPERTIES | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C1149_1 | 62 | 100.0 | 62 | RAY SMITH ET UX | CIBOLO CRK |
| San Antonio | Wilson | IRR | C1166_1 | 25 | 96.8 | 0 | GERVAS JASKINIA ESTATE | CIBOLO CRK |
| San Antonio | Wilson | IRR | C2167_1 | 17 | 100.0 | 17 | TOMAS CAVAZOS | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | P4181_1 | 86 | 75.5 | 0 | BERTRAND O BAETZ ESTATE ET AL | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | P4484_1 | 5 | 75.7 | 0 | DELBERT J KELLER | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | P4181_2 | 120 | 75.4 | 0 | BERTRAND O BAETZ ESTATE ET AL | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | P3837_1 | 21 | 75.7 | 0 | LAWRENCE R HALLIBURTON ET UX | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | P4484_2 | 200 | 89.2 | 0 | DELBERT J KELLER | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | P5182_1 | 100 | 79.8 | 0 | JAMES T WATSON | CIBOLO CRK |
| San Antonio | Wilson | IRR | P3837_2 | 29 | 75.6 | 0 | W H HALLIBURTON, ESTATE OF | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | P4484_3 | 100 | 93.9 | 0 | DELBERT J KELLER | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C1156_1 | 35 | 100.0 | 35 | WAYNE H STROUD ET AL | CIBOLO CRK |
| San Antonio | Wilson | IRR | C1162_1 | 2 | 94.1 | 0 | ALVIN PRUSKI | CIBOLO CRK |
| San Antonio | Wilson | IRR | C1162_2 | 78 | 76.9 | 0 | ALVIN PRUSKI | CIBOLO CRK |
| San Antonio | Wilson | IRR | C2178_1 | 1 | 100.0 | 1 | FELIX J JANEK JR ET UX | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2163_1 | 44 | 100.0 | 44 | CHARLES HONEYCUTT, ET AL | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2178_2 | 5 | 100.0 | 5 | FELIX J JANEK JR ET UX | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2163_2 | 256 | 75.4 | 0 | CHARLES HONEYCUTT, ET AL | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2178_3 | 15 | 75.7 | 0 | FELIX J JANEK JR ET UX | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2178_4 | 42 | 100.0 | 42 | SIX J FARMS INC | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2178_5 | 175 | 100.0 | 175 | SIX J FARMS INC | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2178_6 | 485 | 75.0 | 0 | SIX J FARMS INC | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | P5202_1 | 75 | 75.5 | 0 | GEORGE R GAWLIK ET UX | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | P4495_1 | 50 | 75.8 | 0 | WILLIAM & IRENE C WALLS JR | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C1152_1 | 35 | 98.8 | 0 | BILL & MELVIN DEAGEN ET AL | CIBOLO CRK |
| San Antonio | Wilson | IRR | C2168_1 | 16 | 95.3 | 0 | H W FINCK | UNNAMED TRIB SEGUIN BR |
| San Antonio | Wilson | IRR | C2174_1 | 14 | 100.0 | 14 | WILLIE HOSEK ESTATE | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2180_1 | 18 | 100.0 | 18 | DONALD A OCKER ET AL | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2180_2 | 110 | 100.0 | 110 | DONALD A OCKER ET AL | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2180_3 | 497 | 75.3 | 0 | DONALD A OCKER ET AL | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | P5194_1 | 210 | 75.4 | 0 | JOE R HOLLAWAY JR ET AL | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | P5224_1 | 60 | 77.2 | 0 | JOHNNY KOSUB & BETTY KOSUB | CIBOLO CRK |
| San Antonio | Wilson | IRR | P3861_1 | 200 | 75.4 | 0 | GEO D POOL & RONALD R STINSON | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C1163_1 | 80 | 100.0 | 80 | CYNTHIA A TITZMAN ET VIR | CIBOLO CRK |
| San Antonio | Wilson | IRR | P3897_1 | 716 | 46.6 | 0 | ALFRED J NEWMAN, ET UX | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2179_1 | 47 | 100.0 | 47 | A D D CORPORATION | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2164_1 | 23 | 100.0 | 23 | JOHN WILLIAM HELTON JR ET UX | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2179_2 | 72 | 100.0 | 72 | A D D CORPORATION | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2164_2 | 59 | 67.0 | 0 | JOHN WILLIAM HELTON JR ET UX | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2179_3 | 39 | 100.0 | 39 | A D D CORPORATION | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2179_4 | 467 | 75.3 | 0 | A D D CORPORATION | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | P5218_1 | 360 | 77.5 | 0 | WILLIAM P REDDICK ET UX | CIBOLO CRK |
| San Antonio | Wilson | IRR | P5559_1 | 99 | 64.6 | 0 | RALPH MCGREW ET UX | CIBOLO CRK |
| San Antonio | Wilson | IRR | C1153_1 | 100 | 94.1 | 0 | WAYNE H STROUD ET AL | CIBOLO CRK |
| San Antonio | Wilson | IRR | P3887_1 | 50 | 75.5 | 0 | PATTILLO FAMILY FARMS INC | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | P5307_1 | 300 | 66.6 | 0 | JAMES R LEININGER | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2169_1 | 29 | 100.0 | 29 | JIMMY E HOLT ET UX | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2169_2 | 18 | 100.0 | 18 | RICHARD E ULLMANN ET UX | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2175_1 | 38 | 100.0 | 38 | WELMA L R KIRCHOFF ET AL | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C2175_2 | 60 | 64.1 | 0 | WELMA L R KIRCHOFF ET AL | SAN ANTONIO RIVER |
| San Antonio | Wilson | IRR | C1151_1 | 86 | 100.0 | 86 | | CIBOLO CRK |
| San Antonio | Wilson | MUN | C1155_1 | 42 | 100.0 | 42 | SIESTA CATTLE COMPANY | CIBOLO CRK |
| San Antonio | Wilson | MUN | C1157_2 | 117 | 94.3 | 0 | OSCAR SANDERS | CIBOLO CRK |
| San Antonio | Wilson | WRP | C2173_1 | 78 | 100.0 | 78 | CECIL MARK RICHARDSON ET AL | SAN ANTONIO RIVER |
| Nueces | Atascosa | IRR | C3213_1 | 13 | 1.0 | 0 | SAM COUNTISS | UNNAMED TRIB LIVE OAK CRK |
| Nueces | Atascosa | IRR | C3216_1 | 20 | 14.1 | 0 | ATASCOSA COWBOY RECREATION | UNNAMED TRIB ATASCOSA RIVER |
| Nueces | Atascosa | IRR | C3217_1 | 27 | 14.3 | 0 | WOODROW W MARSH | ATASCOSA RIVER |
| Nueces | Atascosa | IRR | C3218_1 | 7 | 14.3 | 0 | JACK L MCGINNIS ET UX | ATASCOSA RIVER |
| Nueces | Atascosa | IRR | C3218_2 | 11 | 14.3 | 0 | DOYLE LAWHON ET UX | ATASCOSA RIVER |
| Nueces | Atascosa | IRR | C3219_1 | 30 | 14.5 | 0 | ERNEST KORUS | ATASCOSA RIVER |
| Nueces | Atascosa | IRR | C4772_1 | 2 | 98.4 | 0 | MAGSONS N. V. | BONITA CRK |
| Nueces | Atascosa | MIN | P5511_1 | 120 | 2.4 | 0 | SAN MIGUEL ELECTRIC COOP INC | UNNAMED TRIB LA PARITA CRK |
| Nueces | Dimmit | IRR | C3082_8 | 19,996 | 78.0 | 0 | ZAVALA-DIMMIT CO WID 1 | NUECES RIVER |
| Nueces | Dimmit | IRR | C3086_1 | 554 | 38.6 | 0 | CHARLES W. WILSON, SR., ET AL | NUECES RIVER |
| Nueces | Dimmit | IRR | C3093_1 | 102 | 100.0 | 102 | CHARLES H THALMAN | BERMUDA RES- SOLDIER SLOUGH |
| Nueces | Dimmit | IRR | C3094_1 | 300 | 100.0 | 300 | ALBERT IVY | LIVE OAK CRK |
| Nueces | Dimmit | IRR | C3095_1 | 1,090 | 100.0 | 1,090 | MARRS MCLEAN BOWMAN | NUECES RIVER |
| Nueces | Dimmit | IRR | C3095_2 | 201 | 100.0 | 201 | MARRS MCLEAN BOWMAN | NUECES RIVER |
| Nueces | Dimmit | IRR | C3096_1 | 337 | 100.0 | 337 | DONALD JACKSON ET UX | NUECES RIVER |
| Nueces | Dimmit | IRR | C3097_1 | 231 | 100.0 | 231 | DALE L HASTEN | NUECES RIVER |
| Nueces | Dimmit | IRR | C3098_1 | 60 | 68.1 | 0 | LUCILE C WHITECOTTON ET AL | SOLDIER SLOUGH |
| Nueces | Dimmit | IRR | C3099_1 | 34 | 35.8 | 0 | CHARLES W & MARJORIE V WILSON | EL BARROSA CRK |
| Nueces | Dimmit | IRR | C3102_1 | 15 | 29.1 | 0 | NEEDMORE RANCH INC | APPURCEON CRK |
| Nueces | Dimmit | IRR | C3103_1 | 400 | 89.1 | 0 | R W BRIGGS, JR | BURRO CRK |
| Nueces | Dimmit | MIN | C3082_9 | 4 | 61.9 | 0 | ZAVALA-DIMMIT CO WID 1 | NUECES RIVER |
| Nueces | Dimmit | MIN | C3093_2 | 1 | 100.0 | 1 | CHARLES H THALMAN | SOLDIER SLOUGH |
| Nueces | Frio | IRR | C3193_1 | 8 | 32.1 | 0 | HOWARD F BENNETT | FRIO RIVER |
| Nueces | Frio | IRR | C3199_1 | 50 | 17.9 | 0 | JAMES BAKER III | UNNAMED TRIB TODOS SANTOS CRK |
| Nueces | Frio | IRR | C3208_1 | 230 | 1.3 | 0 | COX FEEDLOTS INC | UNNAMED TRIB CHACON CRK |
| Nueces | Frio | IRR | C3209_1 | 118 | 86.8 | 0 | E F MORRIS | CHACON CRK |
| Nueces | Frio | IRR | C3210_1 | 20 | 31.4 | 0 | FRANCIS MALDONADO | UNNAMED TRIB SAN MIGUEL CRK |
| Nueces | Frio | IRR | C3211_1 | 40 | 92.8 | 0 | GLEN EARL BAKER | SAN MIGUEL CRK |
| Nueces | Frio | IRR | C3211_2 | 60 | 73.3 | 0 | GLEN EARL BAKER | SAN MIGUEL CRK |
| Nueces | Frio | IRR | C3212_1 | 25 | 2.5 | 0 | CHARLES CURTIS RAMSEY ET UX | BUCKHORN CRK |
| Nueces | Frio | IRR | P3884_1 | 80 | 0.6 | 0 | CLAUDE D J SMITH | SAN MIGUEL CRK |

Appendix C
Reliability Information for Water Rights in the South Central Texas Region

| Basin | County of Diversion Location(s) | Use | WR ID# | Authorized Diversion (acft/yr) | Volume Reliability (%) | Minimum Annual Supply (acft) | Owner | Stream |
|--------|---------------------------------|-----|---------|--------------------------------|------------------------|------------------------------|--------------------------------|----------------------------|
| Nueces | Frio | IRR | P3914_1 | 19 | 6.3 | 0 | A E SCHLETZE FARMS | ELM CRK |
| Nueces | Frio | IRR | P3914_2 | 7 | 6.3 | 0 | A R GALLOWAY ET UX | ELM CRK |
| Nueces | Frio | IRR | P4014_1 | 124 | 1.4 | 0 | JOE H BERRY | LEONA RIVER |
| Nueces | Frio | IRR | P4041_1 | 25 | 0.3 | 0 | FLOYD B NEUMAN | SAN MIGUEL CRK |
| Nueces | Frio | IRR | P4041_2 | 20 | 0.4 | 0 | FLOYD B NEUMAN | SAN MIGUEL CRK |
| Nueces | Frio | IRR | P4113_1 | 15 | 2.6 | 0 | DR LESLIE R FRICKE | SAN MIGUEL CRK |
| Nueces | La Salle | IRR | C3104_1 | 250 | 98.6 | 0 | WAITZ SUPER MARKET, INC | NUECES RIVER |
| Nueces | La Salle | IRR | C3105_1 | 150 | 99.8 | 1 | FRANKLIN JERRY MEEKS | NUECES RIVER |
| Nueces | La Salle | IRR | C3106_1 | 20 | 94.3 | 0 | M C WHITWELL ET UX | UNNAMED TRIB NUECES RIVER |
| Nueces | La Salle | IRR | C3106_2 | 20 | 93.2 | 0 | M C WHITWELL ET UX | UNNAMED TRIB NUECES RIVER |
| Nueces | La Salle | IRR | C3107_1 | 210 | 43.3 | 0 | CARL CONWAY | NUECES RIVER |
| Nueces | La Salle | IRR | C3108_1 | 298 | 31.5 | 0 | C L LEHMAN ESTATE | NUECES RIVER |
| Nueces | La Salle | IRR | C3109_1 | 10 | 48.2 | 0 | M C WHITWELL ET UX | NUECES RIVER |
| Nueces | La Salle | IRR | C3110_1 | 22 | 47.7 | 0 | | |
| Nueces | La Salle | IRR | C3111_1 | 30 | 95.3 | 0 | EUGENE WHITE | NUECES RIVER |
| Nueces | La Salle | IRR | C3112_1 | 47 | 98.4 | 0 | FREDNA K DOBIE | NUECES RIVER |
| Nueces | La Salle | IRR | C3114_1 | 199 | 98.3 | 0 | RALPH P. GUTTMAN | NUECES RIVER |
| Nueces | La Salle | IRR | C3115_1 | 55 | 98.3 | 0 | VALLEY FLEA MARKET INC | NUECES RIVER |
| Nueces | La Salle | IRR | C3116_1 | 33 | 98.3 | 0 | BRENDA JOAN BOYD | NUECES RIVER |
| Nueces | La Salle | IRR | C3116_2 | 145 | 98.2 | 0 | PRINCE WOOD ET AL | NUECES RIVER |
| Nueces | La Salle | IRR | C3117_1 | 270 | 97.5 | 0 | ROBERT CARL HART ET UX | NUECES RIVER |
| Nueces | La Salle | IRR | C3118_1 | 50 | 100.0 | 50 | GLENN T ROBERTS ET UX | NUECES RIVER |
| Nueces | La Salle | IRR | C3119_1 | 40 | 100.0 | 40 | NORMA D GARCIA ET VIR | NUECES RIVER |
| Nueces | La Salle | IRR | C3120_1 | 200 | 100.0 | 200 | JOE L GILBERT | NUECES RIVER |
| Nueces | La Salle | IRR | C3121_1 | 5 | 100.0 | 5 | RUDY & TERESA RODRIGUEZ SR | NUECES RIVER |
| Nueces | La Salle | IRR | C3122_1 | 30 | 100.0 | 30 | SANTANA A MORIN ET AL | NUECES RIVER |
| Nueces | La Salle | IRR | C3123_1 | 70 | 100.0 | 70 | LOUIS OSWALD LIND | UNNAMED TRIB NUECES RIVER |
| Nueces | La Salle | IRR | C3123_2 | 130 | 100.0 | 67 | LOUIS OSWALD LIND | UNNAMED TRIB NUECES RIVER |
| Nueces | La Salle | IRR | C3124_1 | 5 | 99.9 | 0 | RAUL DEL TORO ET UX | UNNAMED TRIB NUECES RIVER |
| Nueces | La Salle | IRR | C3125_1 | 20 | 84.0 | 0 | GEORGE & SHARON TRIGO | NUECES RIVER |
| Nueces | La Salle | IRR | C3126_1 | 100 | 82.8 | 0 | SILLER BROTHERS | NUECES RIVER |
| Nueces | La Salle | IRR | C3126_2 | 260 | 62.2 | 0 | SILLER BROTHERS | NUECES RIVER |
| Nueces | La Salle | IRR | C3127_1 | 180 | 91.3 | 0 | LEE M & VALDA M GATES | NUECES RIVER |
| Nueces | La Salle | IRR | C3128_1 | 39 | 91.8 | 0 | VALDA M GATES | NUECES RIVER |
| Nueces | La Salle | IRR | C3129_1 | 180 | 92.8 | 0 | LOUISE G DAVIS | NUECES RIVER |
| Nueces | La Salle | IRR | C3130_1 | 126 | 91.2 | 0 | BILLIE JEAN TAYLOR | NUECES RIVER |
| Nueces | La Salle | IRR | C3131_1 | 50 | 90.9 | 0 | RONALD C FEUDO | NUECES RIVER |
| Nueces | La Salle | IRR | C3132_1 | 195 | 90.8 | 0 | EL TRES EXPLORATION INC | UNNAMED TRIB NUECES RIVER |
| Nueces | La Salle | IRR | C3133_1 | 54 | 95.8 | 0 | H B RAMSEY | NUECES RIVER |
| Nueces | La Salle | IRR | C3133_2 | 296 | 95.1 | 0 | RODNEY D JONES | NUECES RIVER |
| Nueces | La Salle | IRR | C3134_1 | 398 | 92.8 | 0 | GEORGE C HIXON | NUECES RIVER |
| Nueces | La Salle | IRR | C3135_1 | 42 | 100.0 | 42 | H.B. RAMSEY | UNNAMED TRIB NUECES RIVER |
| Nueces | La Salle | IRR | C3135_2 | 38 | 91.7 | 0 | H.B. RAMSEY | UNNAMED TRIB NUECES RIVER |
| Nueces | La Salle | IRR | C3136_1 | 200 | 100.0 | 200 | DOROTHY M. KINSEL | NUECES RIVER |
| Nueces | La Salle | IRR | C3137_1 | 84 | 91.5 | 0 | T.G. RANKIN | NUECES RIVER |
| Nueces | La Salle | IRR | C3138_1 | 55 | 91.4 | 0 | CHARLES D. JOHNSON | UNNAMED TRIB NUECES RIVER |
| Nueces | La Salle | IRR | C3139_1 | 2,023 | 98.3 | 0 | HOLLAND TEXAS DAM & IRR. CO. | UNNAMED TRIB NUECES RIVER |
| Nueces | La Salle | IRR | C3140_1 | 76 | 56.4 | 0 | FRED HILLJE ESTATE | NUECES RIVER |
| Nueces | La Salle | IRR | C3201_1 | 649 | 35.8 | 0 | JEFF E RUSK ET AL | FRIO RIVER |
| Nueces | La Salle | IRR | C3203_1 | 106 | 33.1 | 0 | DOUGLAS A MILLER, ET AL | UNNAMED SLOUGH FRIO RIVER |
| Nueces | Medina | IRR | C3189_1 | 40 | 7.7 | 0 | RICHARD W SCHWEERS | HONDO CRK |
| Nueces | Medina | IRR | C3190_1 | 80 | 28.8 | 0 | THOMAS J MOORE III | UNNAMED TRIB HONDO CRK |
| Nueces | Medina | IRR | C3191_1 | 20 | 15.3 | 0 | L S MOLLERE, TRUSTEE | SECO CRK |
| Nueces | Medina | IRR | C3207_1 | 2,000 | 1.5 | 0 | BEXAR-MEDINA-ATASCOSA WCID 1 | CHACON CRK |
| Nueces | Medina | IRR | P4286_1 | 4 | 1.0 | 0 | C H PIFER | CHACON CRK |
| Nueces | Medina | IRR | P4506_1 | 40 | 1.7 | 0 | JAMES THOMAS BAGBY JR | HONDO CRK |
| Nueces | Medina | RCG | C3192_1 | 6,012 | 0.1 | 0 | EDWARDS UNDERGROUND WATER DIST | PARKERS CRK |
| Nueces | Medina | RCG | P3745_1 | 12,172 | 4.7 | 0 | EDWARDS UNDERGROUND W D | MIDDLE VERDE |
| Nueces | Medina | RCG | P3806_1 | 42,258 | 2.6 | 0 | EDWARDS UNDERGROUND W D | SECO CRK |
| Nueces | Uvalde | IND | C3087_1 | 10 | 86.1 | 0 | R L WHITE COMPANY | GATO CRK |
| Nueces | Uvalde | IRR | C3064_1 | 150 | 32.4 | 0 | ADANA TEAGUE | NUECES RIVER |
| Nueces | Uvalde | IRR | C3065_1 | 720 | 100.0 | 720 | F. KENNETH BAILEY JR. | NUECES RIVER |
| Nueces | Uvalde | IRR | C3066_1 | 10 | 31.4 | 0 | GEORGE H MOFF | NUECES RIVER |
| Nueces | Uvalde | IRR | C3067_1 | 1,461 | 90.2 | 0 | EVERETT L CLARK | NUECES RIVER |
| Nueces | Uvalde | IRR | C3068_1 | 310 | 87.7 | 0 | WILLARD R WALLACE ET AL | NUECES RIVER |
| Nueces | Uvalde | IRR | C3069_1 | 134 | 45.2 | 0 | ARIZONA T CRUMP | NUECES RIVER |
| Nueces | Uvalde | IRR | C3072_1 | 200 | 83.3 | 0 | MIRASOL RANCH FAMILY LTD PART | NUECES RIVER |
| Nueces | Uvalde | IRR | C3073_1 | 144 | 26.8 | 0 | SAM BARKLEY | NUECES RIVER |
| Nueces | Uvalde | IRR | C3163_1 | 113 | 36.3 | 0 | JOHN HAMMAN JR ESTATE | FRIO RIVER |
| Nueces | Uvalde | IRR | C3163_2 | 133 | 3.5 | 0 | JOHN HAMMAN JR ESTATE | FRIO RIVER |
| Nueces | Uvalde | IRR | C3165_1 | 86 | 36.1 | 0 | WALLACE S & ISABEL B WILSON | FRIO RIVER |
| Nueces | Uvalde | IRR | C3166_1 | 35 | 36.5 | 0 | JOE C KRANZ ET UX | FRIO RIVER |
| Nueces | Uvalde | IRR | C3167_1 | 11 | 36.4 | 0 | MACONDA BROWN O'CONNOR | FRIO RIVER |
| Nueces | Uvalde | IRR | C3168_1 | 4 | 36.3 | 0 | JOHN S BUCHANAN | FRIO RIVER |
| Nueces | Uvalde | IRR | C3168_2 | 37 | 36.2 | 0 | JOHN S BUCHANAN | FRIO RIVER |
| Nueces | Uvalde | IRR | C3169_1 | 40 | 36.2 | 0 | JOHN S. GRAVES, JR, ET AL | MAYHEW |
| Nueces | Uvalde | IRR | C3170_1 | 19 | 9.2 | 0 | JOHN M & MARY ANN BARKLEY | FRIO RIVER |
| Nueces | Uvalde | IRR | C3171_1 | 75 | 26.2 | 0 | MICHAEL L STONER | FRIO RIVER |
| Nueces | Uvalde | IRR | C3172_1 | 1,000 | 3.8 | 0 | THOMAS & GRETEL EKBAUM | FRIO RIVER |
| Nueces | Uvalde | IRR | C3173_1 | 1,000 | 3.8 | 0 | ALVIN M RIMKUS | FRIO RIVER |
| Nueces | Uvalde | IRR | C3174_1 | 31 | 12.1 | 0 | RIO GRANDE CHILDRENS HOME INC | DRY FRIO RIVER |
| Nueces | Uvalde | IRR | C3175_1 | 9 | 9.2 | 0 | EL CAMINO GIRL SCOUT COUNCIL | DRY FRIO RIVER |
| Nueces | Uvalde | IRR | C3182_1 | 40 | 8.3 | 0 | PAUL G SILBER JR | SABINAL RIVER |
| Nueces | Uvalde | IRR | C3194_1 | 50 | 2.7 | 0 | GEORGE E LIGOCKY | UNNAMED TRIB COOK'S SLOUGH |
| Nueces | Uvalde | IRR | C3194_2 | 49 | 2.4 | 0 | GEORGE E LIGOCKY | UNNAMED TRIB COOK'S SLOUGH |
| Nueces | Uvalde | IRR | C3196_1 | 40 | 7.9 | 0 | SAMUEL DON SMITH | LEONA RIVER |
| Nueces | Uvalde | IRR | C3197_1 | 523 | 90.6 | 0 | MARJORIE LEE KERR ESTATE | LEONA RIVER |
| Nueces | Uvalde | IRR | C3197_2 | 305 | 90.5 | 0 | MARJORIE LEE KERR ESTATE | LEONA RIVER |

Appendix C
Reliability Information for Water Rights in the South Central Texas Region

| Basin | County of Diversion Location(s) | Use | WR ID# | Authorized Diversion (acft/yr) | Volume Reliability (%) | Minimum Annual Supply (acft) | Owner | Stream |
|--------|---------------------------------|-----|---------|--------------------------------|------------------------|------------------------------|--------------------------------|----------------------------|
| Nueces | Uvalde | IRR | P3988_1 | 28 | 2.8 | 0 | GEORGE LIGOCKY | UNNAMED TRIB COOK'S SLOUGH |
| Nueces | Uvalde | IRR | P3989_1 | 56 | 4.5 | 0 | JAMES C HENRY, ET UX | UNNAMED TRIB COOK'S SLOUGH |
| Nueces | Uvalde | IRR | P3990_1 | 30 | 1.4 | 0 | DON INMAN | UNNAMED TRIB COOK'S SLOUGH |
| Nueces | Uvalde | IRR | P3991_1 | 250 | 82.3 | 0 | D S TURNER ET UX | UNNAMED TRIB COOK'S SLOUGH |
| Nueces | Uvalde | IRR | P4177_1 | 200 | 3.7 | 0 | MARVIN G VERSTUYFT ET AL | FRIIO RIVER |
| Nueces | Uvalde | IRR | P4177_2 | 795 | 3.5 | 0 | MARVIN G VERSTUYFT ET AL | FRIIO RIVER |
| Nueces | Uvalde | IRR | P4238_1 | 140 | 3.7 | 0 | CON CAN ENTERPRISES INC | FRIIO RIVER |
| Nueces | Uvalde | IRR | P4305_1 | 1,140 | 3.8 | 0 | A C SANDERLIN ET AL | FRIIO RIVER |
| Nueces | Uvalde | IRR | P4352_1 | 110 | 2.1 | 0 | LOUIS A WATERS | LITTLE CRK |
| Nueces | Uvalde | IRR | P5063_1 | 94 | 3.8 | 0 | GAFFORD FAMILY PARTNERSHIP | FRIIO RIVER |
| Nueces | Uvalde | IRR | P5241_1 | 108 | 3.5 | 0 | BARKAT LAND & CATTLE CO | FRIIO RIVER |
| Nueces | Uvalde | IRR | P5325_1 | 255 | 2.0 | 0 | RONALD E LEE, JR | SABINAL RIVER |
| Nueces | Uvalde | IRR | P5372_1 | 320 | 1.6 | 0 | ROBERT L K LYNCH ET AL | FRIIO RIVER |
| Nueces | Uvalde | MUN | P4505_1 | 200 | 2.6 | 0 | UTOPIA WATER SUPPLY CORP | SABINAL RIVER |
| Nueces | Uvalde | MUN | P5063_2 | 6 | 3.9 | 0 | GAFFORD FAMILY PARTNERSHIP | FRIIO RIVER |
| Nueces | Uvalde | MUN | P5497_1 | 35 | 2.2 | 0 | CONCAN WATER SUPPLY CORP | FRIIO RIVER |
| Nueces | Zavala | IRR | C3074_1 | 200 | 17.1 | 0 | DONALD R LINDENBORN JR TRUSTEE | NUECES RIVER |
| Nueces | Zavala | IRR | C3075_1 | 124 | 17.1 | 0 | WALTER D MOORE | NUECES RIVER |
| Nueces | Zavala | IRR | C3076_1 | 200 | 17.1 | 0 | DON P DIXON | NUECES RIVER |
| Nueces | Zavala | IRR | C3077_1 | 200 | 17.1 | 0 | K & M FARMS | NUECES RIVER |
| Nueces | Zavala | IRR | C3078_1 | 200 | 17.1 | 0 | WILBA RALPH WALKER ET AL | NUECES RIVER |
| Nueces | Zavala | IRR | C3079_1 | 313 | 17.0 | 0 | JACK RUTLEDGE | NUECES RIVER |
| Nueces | Zavala | IRR | C3080_1 | 75 | 8.4 | 0 | F F BONNET EX UX | NUECES RIVER |
| Nueces | Zavala | IRR | C3081_1 | 390 | 38.5 | 0 | GEORGE C THOREEN ET AL | NUECES RIVER |
| Nueces | Zavala | IRR | C3082_1 | 8,000 | 61.7 | 0 | ZAVALA-DIMMIT CO WID 1 | NUECES RIVER |
| Nueces | Zavala | IRR | C3083_1 | 230 | 39.3 | 0 | MARIO A ESCOBAR ET UX | NUECES RIVER |
| Nueces | Zavala | IRR | C3084_1 | 80 | 39.0 | 0 | OPAL E C MARBURGER | NUECES RIVER |
| Nueces | Zavala | IRR | C3085_1 | 320 | 27.0 | 0 | WARD L BOX | NUECES RIVER |
| Nueces | Zavala | IRR | C3088_1 | 150 | 80.4 | 0 | CHAPARROSA RANCHES, LTD | CHAPARROSA CRK |
| Nueces | Zavala | IRR | C3089_1 | 206 | 77.4 | 0 | ERROL O JONSSON ET AL | CHACON CRK |
| Nueces | Zavala | IRR | C3090_1 | 45 | 45.4 | 0 | JIM G FERGUSON, JR | COMANCHE CRK |
| Nueces | Zavala | IRR | C3090_2 | 65 | 29.4 | 0 | JIM G FERGUSON, JR | COMANCHE CRK |
| Nueces | Zavala | IRR | C3091_1 | 800 | 67.3 | 0 | L C ROBBINS JR | COMANCHE CRK |
| Nueces | Zavala | IRR | C3091_2 | 400 | 66.3 | 0 | TURKEY CREEK RANCHES LTD | COMANCHE CRK |
| Nueces | Zavala | IRR | C3091_3 | 400 | 65.7 | 0 | FRANK W HARBORTH | COMANCHE CRK |
| Nueces | Zavala | IRR | C3091_4 | 498 | 64.9 | 0 | RICHARD DALE LEDOUX ET AL | COMANCHE CRK |
| Nueces | Zavala | IRR | C3092_1 | 684 | 46.3 | 0 | TURKEY CREEK RANCHES LTD | |
| Nueces | Zavala | IRR | C3198_1 | 150 | 6.3 | 0 | DENVER C CARNES | LEONA RIVER |



c/o San Antonio River Authority
P.O. Box 839980
San Antonio, Texas 78283-9980

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River Authorities

July 22, 2014

Mr. Kevin Patteson
Executive Administrator
Texas Water Development Board
1700 North Congress Avenue
P.O. Box 13231
Austin, TX 78711-3231

RE: Region L Transmittal Letter for Task 4C – Prepare and Submit Technical Memorandum and RWPG Analysis of WUG and WWP Needs

Dear Mr. Patteson

At the May 1st, 2014 South Central Texas Regional Water Planning Group (Region L) meeting, the Planning Group authorized myself, Con Mims, as Chairman of the Region L Planning Group to submit the Technical Memorandum in accordance with Section 1 Article 1 of the Texas Water Development Board (TWDB) Contract no. 1148301323 between the TWDB and the Contractor Administrator, the San Antonio River Authority (SARA). The Technical Memorandum (enclosed) has been prepared and is hereby submitted to the Executive Administrator for consideration.

Should you have any questions, please contact Brian Perkins at (512) 912-5173 or Cole Ruiz at (210) 302-3293.

Respectfully,

Con Mims
Chair, Region L

Enclosure (1)

cc: David Meesey, Manager, Regional Water Planning (TWDB)
Steve Raabe, PE, Director, Technical Services (SARA)
Brian Perkins, PE, Water Resources Engineer, HDR Engineering, Inc.

Region L

Task 4C – Prepare and Submit Technical Memorandum and RWPG Analysis of WUG and WWP Needs

Region L
TWDB DB17 Population Projection Report

WUG POPULATION

| REGION L | WUG POPULATION | | | | | |
|---|----------------|---------------|---------------|---------------|---------------|---------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| ATASCOSA COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| BENTON CITY WSC | 8,157 | 9,426 | 10,583 | 11,712 | 12,772 | 13,759 |
| CHARLOTTE | 2,008 | 2,321 | 2,605 | 2,883 | 3,144 | 3,387 |
| JOURDANTON | 4,532 | 5,237 | 5,880 | 6,506 | 7,096 | 7,644 |
| LYTLE | 2,339 | 2,703 | 3,035 | 3,358 | 3,663 | 3,946 |
| MCCOY WSC | 7,305 | 8,442 | 9,478 | 10,488 | 11,439 | 12,321 |
| PLEASANTON | 10,459 | 12,086 | 13,569 | 15,016 | 16,377 | 17,641 |
| POTEET | 3,817 | 4,411 | 4,952 | 5,480 | 5,976 | 6,437 |
| SAN ANTONIO WATER SYSTEM | 5,772 | 6,670 | 7,488 | 8,286 | 9,037 | 9,735 |
| COUNTY-OTHER | 6,592 | 7,618 | 8,553 | 9,464 | 10,325 | 11,119 |
| NUECES BASIN TOTAL POPULATION | 50,981 | 58,914 | 66,143 | 73,193 | 79,829 | 85,989 |
| SAN ANTONIO BASIN | | | | | | |
| BENTON CITY WSC | 1,008 | 1,165 | 1,308 | 1,447 | 1,579 | 1,700 |
| COUNTY-OTHER | 585 | 676 | 759 | 841 | 916 | 987 |
| SAN ANTONIO BASIN TOTAL POPULATION | 1,593 | 1,841 | 2,067 | 2,288 | 2,495 | 2,687 |
| ATASCOSA COUNTY TOTAL POPULATION | 52,574 | 60,755 | 68,210 | 75,481 | 82,324 | 88,676 |
| BEXAR COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| ATASCOSA RURAL WSC | 687 | 829 | 960 | 1,086 | 1,201 | 1,307 |
| LYTLE | 56 | 75 | 92 | 109 | 124 | 138 |
| COUNTY-OTHER | 8,037 | 9,022 | 9,926 | 10,795 | 11,593 | 12,320 |
| NUECES BASIN TOTAL POPULATION | 8,780 | 9,926 | 10,978 | 11,990 | 12,918 | 13,765 |
| SAN ANTONIO BASIN | | | | | | |
| ALAMO HEIGHTS | 8,095 | 8,423 | 8,423 | 8,423 | 8,423 | 8,423 |
| ATASCOSA RURAL WSC | 11,898 | 14,365 | 16,632 | 18,810 | 20,809 | 22,632 |
| BALCONES HEIGHTS | 3,386 | 3,828 | 4,234 | 4,624 | 4,982 | 5,308 |
| CASTLE HILLS | 4,739 | 4,739 | 4,739 | 4,739 | 4,739 | 4,739 |
| CHINA GROVE | 1,358 | 1,535 | 1,698 | 1,854 | 1,997 | 2,128 |
| CONVERSE | 23,289 | 25,936 | 28,193 | 28,193 | 28,193 | 28,193 |
| EAST CENTRAL SUD | 9,626 | 10,731 | 11,747 | 12,723 | 13,619 | 14,437 |
| ELMENDORF | 2,131 | 2,781 | 3,379 | 3,953 | 4,480 | 4,961 |
| FAIR OAKS RANCH | 4,959 | 5,286 | 5,446 | 5,387 | 5,642 | 5,874 |
| GREEN VALLEY SUD | 3,179 | 3,594 | 3,975 | 4,341 | 4,677 | 4,983 |
| HELOTES | 9,803 | 12,249 | 14,497 | 16,657 | 18,639 | 20,447 |
| HILL COUNTRY VILLAGE | 1,028 | 1,028 | 1,028 | 1,028 | 1,028 | 1,028 |
| HOLLYWOOD PARK | 3,126 | 3,190 | 3,249 | 3,305 | 3,357 | 3,404 |
| KIRBY | 9,210 | 10,411 | 10,494 | 10,495 | 10,495 | 10,495 |
| LACKLAND AFB | 9,918 | 9,918 | 9,918 | 9,918 | 9,918 | 9,918 |
| LEON VALLEY | 10,886 | 11,616 | 12,287 | 12,932 | 13,524 | 14,064 |
| LIVE OAK | 15,117 | 15,480 | 15,480 | 15,480 | 15,480 | 15,480 |
| OLMOS PARK | 2,576 | 2,912 | 3,220 | 3,517 | 3,789 | 4,038 |
| RANDOLPH AFB | 1,429 | 1,615 | 1,787 | 1,951 | 2,102 | 2,240 |
| SAN ANTONIO | 1,528,077 | 1,727,411 | 1,910,640 | 2,086,678 | 2,248,192 | 2,395,583 |
| SAN ANTONIO WATER SYSTEM | 227,729 | 257,436 | 284,742 | 310,977 | 335,047 | 357,013 |
| SCHERTZ | 1,485 | 1,866 | 2,347 | 2,859 | 3,473 | 4,035 |
| SELMA | 4,777 | 5,400 | 5,973 | 6,523 | 7,028 | 7,488 |
| SHAVANO PARK | 3,494 | 3,950 | 4,369 | 4,772 | 5,141 | 5,478 |

WUG POPULATION

| REGION L | WUG POPULATION | | | | | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| BEXAR COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| SOMERSET | 1,878 | 2,123 | 2,348 | 2,564 | 2,763 | 2,944 |
| ST. HEDWIG | 2,411 | 2,726 | 3,015 | 3,292 | 3,547 | 3,780 |
| TERRELL HILLS | 5,616 | 5,616 | 5,616 | 5,616 | 5,616 | 5,616 |
| THE OAKS WSC | 2,114 | 2,519 | 2,892 | 3,250 | 3,579 | 3,879 |
| UNIVERSAL CITY | 21,332 | 21,970 | 21,970 | 21,970 | 21,970 | 21,970 |
| VON ORMY | 1,250 | 1,412 | 1,562 | 1,706 | 1,838 | 1,959 |
| WATER SERVICES INC | 4,102 | 4,587 | 5,032 | 5,460 | 5,853 | 6,211 |
| WINDCREST | 5,573 | 5,781 | 5,972 | 6,156 | 6,324 | 6,478 |
| COUNTY-OTHER | 19,670 | 29,190 | 40,372 | 53,525 | 65,137 | 75,735 |
| SAN ANTONIO BASIN TOTAL POPULATION | 1,965,261 | 2,221,624 | 2,457,276 | 2,683,678 | 2,891,401 | 3,080,961 |
| BEXAR COUNTY TOTAL POPULATION | 1,974,041 | 2,231,550 | 2,468,254 | 2,695,668 | 2,904,319 | 3,094,726 |
| CALDWELL COUNTY | | | | | | |
| COLORADO BASIN | | | | | | |
| AQUA WSC | 260 | 318 | 375 | 432 | 489 | 545 |
| CREEDMOOR-MAHA WSC | 1,021 | 1,249 | 1,476 | 1,699 | 1,926 | 2,144 |
| MUSTANG RIDGE | 514 | 629 | 743 | 855 | 969 | 1,079 |
| POLONIA WSC | 2,269 | 2,776 | 3,278 | 3,774 | 4,275 | 4,763 |
| COUNTY-OTHER | 426 | 524 | 619 | 713 | 807 | 901 |
| COLORADO BASIN TOTAL POPULATION | 4,490 | 5,496 | 6,491 | 7,473 | 8,466 | 9,432 |
| GUADALUPE BASIN | | | | | | |
| AQUA WSC | 1,470 | 1,800 | 2,126 | 2,447 | 2,773 | 3,089 |
| COUNTY LINE WSC | 1,173 | 1,436 | 1,695 | 1,952 | 2,212 | 2,464 |
| CREEDMOOR-MAHA WSC | 260 | 320 | 377 | 434 | 491 | 548 |
| GOFORTH SUD | 377 | 462 | 546 | 628 | 712 | 793 |
| GONZALES COUNTY WSC | 182 | 223 | 264 | 304 | 344 | 383 |
| LOCKHART | 15,680 | 19,198 | 22,668 | 26,100 | 29,568 | 32,942 |
| LULING | 6,658 | 8,152 | 9,625 | 11,083 | 12,555 | 13,988 |
| MARTINDALE | 1,378 | 1,687 | 1,992 | 2,293 | 2,598 | 2,895 |
| MAXWELL WSC | 4,070 | 4,983 | 5,883 | 6,774 | 7,674 | 8,550 |
| MUSTANG RIDGE | 13 | 16 | 19 | 22 | 25 | 28 |
| NIEDERWALD | 160 | 196 | 232 | 267 | 302 | 337 |
| POLONIA WSC | 4,813 | 5,894 | 6,960 | 8,014 | 9,079 | 10,115 |
| SAN MARCOS | 9 | 15 | 21 | 27 | 33 | 39 |
| UHLAND | 614 | 752 | 889 | 1,023 | 1,159 | 1,291 |
| COUNTY-OTHER | 5,661 | 6,923 | 8,167 | 9,402 | 10,648 | 11,860 |
| GUADALUPE BASIN TOTAL POPULATION | 42,518 | 52,057 | 61,464 | 70,770 | 80,173 | 89,322 |
| CALDWELL COUNTY TOTAL POPULATION | 47,008 | 57,553 | 67,955 | 78,243 | 88,639 | 98,754 |
| CALHOUN COUNTY | | | | | | |
| COLORADO-LAVACA BASIN | | | | | | |
| POINT COMFORT | 829 | 927 | 1,022 | 1,113 | 1,204 | 1,292 |
| COUNTY-OTHER | 802 | 896 | 988 | 1,077 | 1,165 | 1,249 |
| COLORADO-LAVACA BASIN TOTAL POPULATION | 1,631 | 1,823 | 2,010 | 2,190 | 2,369 | 2,541 |
| LAVACA-GUADALUPE BASIN | | | | | | |
| CALHOUN COUNTY WS | 4,401 | 4,919 | 5,423 | 5,909 | 6,390 | 6,857 |
| PORT LAVACA | 13,770 | 15,391 | 16,969 | 18,490 | 19,996 | 21,456 |

WUG POPULATION

| REGION L | WUG POPULATION | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| CALHOUN COUNTY | | | | | | |
| LAVACA-GUADALUPE BASIN | | | | | | |
| PORT O'CONNOR MUD | 1,409 | 1,575 | 1,736 | 1,892 | 2,046 | 2,195 |
| SEADRIFT | 1,534 | 1,714 | 1,890 | 2,060 | 2,227 | 2,390 |
| COUNTY-OTHER | 1,214 | 1,357 | 1,498 | 1,630 | 1,765 | 1,893 |
| LAVACA-GUADALUPE BASIN TOTAL POPULATION | 22,328 | 24,956 | 27,516 | 29,981 | 32,424 | 34,791 |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| COUNTY-OTHER | 78 | 87 | 96 | 105 | 113 | 122 |
| SAN ANTONIO-NUECES BASIN TOTAL POPULATION | 78 | 87 | 96 | 105 | 113 | 122 |
| CALHOUN COUNTY TOTAL POPULATION | 24,037 | 26,866 | 29,622 | 32,276 | 34,906 | 37,454 |
| COMAL COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| BULVERDE | 56 | 66 | 77 | 88 | 99 | 110 |
| CANYON LAKE WATER SERVICE COMPANY | 24,848 | 35,043 | 45,401 | 55,857 | 66,241 | 76,210 |
| CRYSTAL CLEAR WSC | 2,087 | 2,404 | 2,726 | 3,051 | 3,373 | 3,683 |
| GARDEN RIDGE | 3,017 | 4,103 | 5,205 | 6,318 | 7,424 | 8,485 |
| GREEN VALLEY SUD | 355 | 450 | 547 | 644 | 741 | 833 |
| NEW BRAUNFELS | 60,609 | 75,734 | 91,096 | 106,606 | 122,011 | 136,799 |
| SAN ANTONIO WATER SYSTEM | 5,328 | 7,953 | 10,620 | 13,313 | 15,988 | 18,488 |
| SCHERTZ | 1,531 | 2,490 | 3,741 | 5,200 | 7,011 | 8,845 |
| COUNTY-OTHER | 23,390 | 23,788 | 23,846 | 23,933 | 23,544 | 23,254 |
| GUADALUPE BASIN TOTAL POPULATION | 121,221 | 152,031 | 183,259 | 215,010 | 246,432 | 276,707 |
| SAN ANTONIO BASIN | | | | | | |
| BULVERDE | 5,497 | 6,559 | 7,637 | 8,725 | 9,806 | 10,843 |
| CANYON LAKE WATER SERVICE COMPANY | 6,150 | 8,672 | 11,231 | 13,816 | 16,385 | 18,850 |
| FAIR OAKS RANCH | 399 | 475 | 537 | 576 | 647 | 715 |
| GARDEN RIDGE | 1,705 | 2,318 | 2,941 | 3,570 | 4,194 | 4,794 |
| SAN ANTONIO WATER SYSTEM | 4,565 | 6,816 | 9,101 | 11,408 | 13,699 | 15,966 |
| SCHERTZ | 38 | 61 | 92 | 128 | 172 | 218 |
| SELMA | 18 | 23 | 27 | 32 | 37 | 42 |
| COUNTY-OTHER | 1,232 | 1,444 | 1,737 | 1,827 | 1,990 | 1,964 |
| SAN ANTONIO BASIN TOTAL POPULATION | 19,604 | 26,368 | 33,303 | 40,082 | 46,930 | 53,392 |
| COMAL COUNTY TOTAL POPULATION | 140,825 | 178,399 | 216,562 | 255,092 | 293,362 | 330,099 |
| DEWITT COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| CUERO | 7,100 | 7,338 | 7,455 | 7,563 | 7,634 | 7,684 |
| GONZALES COUNTY WSC | 356 | 368 | 374 | 380 | 383 | 386 |
| YORKTOWN | 2,171 | 2,244 | 2,280 | 2,313 | 2,335 | 2,350 |
| COUNTY-OTHER | 7,166 | 7,406 | 7,525 | 7,633 | 7,705 | 7,755 |
| GUADALUPE BASIN TOTAL POPULATION | 16,793 | 17,356 | 17,634 | 17,889 | 18,057 | 18,175 |
| LAVACA BASIN | | | | | | |
| YOAKUM | 2,219 | 2,294 | 2,330 | 2,364 | 2,386 | 2,402 |
| COUNTY-OTHER | 1,274 | 1,316 | 1,338 | 1,357 | 1,370 | 1,379 |
| LAVACA BASIN TOTAL POPULATION | 3,493 | 3,610 | 3,668 | 3,721 | 3,756 | 3,781 |
| LAVACA-GUADALUPE BASIN | | | | | | |
| COUNTY-OTHER | 13 | 13 | 14 | 14 | 14 | 14 |
| LAVACA-GUADALUPE BASIN TOTAL POPULATION | 13 | 13 | 14 | 14 | 14 | 14 |

WUG POPULATION

| REGION L | WUG POPULATION | | | | | |
|--|----------------|---------------|---------------|---------------|---------------|---------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| DEWITT COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| COUNTY-OTHER | 556 | 576 | 584 | 592 | 598 | 602 |
| SAN ANTONIO BASIN TOTAL POPULATION | 556 | 576 | 584 | 592 | 598 | 602 |
| DEWITT COUNTY TOTAL POPULATION | 20,855 | 21,555 | 21,900 | 22,216 | 22,425 | 22,572 |
| DIMITT COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| ASHERTON | 1,180 | 1,272 | 1,332 | 1,391 | 1,437 | 1,474 |
| BIG WELLS | 759 | 818 | 856 | 895 | 924 | 948 |
| CARRIZO SPRINGS | 5,841 | 6,297 | 6,592 | 6,888 | 7,114 | 7,296 |
| COUNTY-OTHER | 3,071 | 3,313 | 3,468 | 3,623 | 3,742 | 3,837 |
| NUECES BASIN TOTAL POPULATION | 10,851 | 11,700 | 12,248 | 12,797 | 13,217 | 13,555 |
| RIO GRANDE BASIN | | | | | | |
| COUNTY-OTHER | 24 | 25 | 27 | 28 | 29 | 30 |
| RIO GRANDE BASIN TOTAL POPULATION | 24 | 25 | 27 | 28 | 29 | 30 |
| DIMITT COUNTY TOTAL POPULATION | 10,875 | 11,725 | 12,275 | 12,825 | 13,246 | 13,585 |
| FRIO COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| BENTON CITY WSC | 573 | 632 | 683 | 732 | 776 | 816 |
| DILLEY | 4,340 | 4,783 | 5,168 | 5,539 | 5,874 | 6,176 |
| PEARSALL | 10,192 | 11,233 | 12,137 | 13,009 | 13,795 | 14,505 |
| COUNTY-OTHER | 4,081 | 4,496 | 4,858 | 5,208 | 5,522 | 5,807 |
| NUECES BASIN TOTAL POPULATION | 19,186 | 21,144 | 22,846 | 24,488 | 25,967 | 27,304 |
| FRIO COUNTY TOTAL POPULATION | 19,186 | 21,144 | 22,846 | 24,488 | 25,967 | 27,304 |
| GOLIAD COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| COUNTY-OTHER | 3,006 | 3,395 | 3,652 | 3,761 | 3,837 | 3,882 |
| GUADALUPE BASIN TOTAL POPULATION | 3,006 | 3,395 | 3,652 | 3,761 | 3,837 | 3,882 |
| SAN ANTONIO BASIN | | | | | | |
| GOLIAD | 2,230 | 2,519 | 2,709 | 2,790 | 2,847 | 2,880 |
| COUNTY-OTHER | 2,515 | 2,841 | 3,056 | 3,147 | 3,211 | 3,248 |
| SAN ANTONIO BASIN TOTAL POPULATION | 4,745 | 5,360 | 5,765 | 5,937 | 6,058 | 6,128 |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| COUNTY-OTHER | 676 | 764 | 822 | 847 | 864 | 874 |
| SAN ANTONIO-NUECES BASIN TOTAL POPULATION | 676 | 764 | 822 | 847 | 864 | 874 |
| GOLIAD COUNTY TOTAL POPULATION | 8,427 | 9,519 | 10,239 | 10,545 | 10,759 | 10,884 |
| GONZALES COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| GONZALES | 7,948 | 8,741 | 9,487 | 10,352 | 11,231 | 12,151 |
| GONZALES COUNTY WSC | 6,264 | 6,889 | 7,477 | 8,159 | 8,852 | 9,578 |
| NIXON | 2,612 | 2,872 | 3,118 | 3,402 | 3,691 | 3,993 |
| SMILEY | 603 | 664 | 720 | 786 | 852 | 922 |
| WAEELDER | 1,170 | 1,287 | 1,397 | 1,524 | 1,653 | 1,789 |
| COUNTY-OTHER | 3,007 | 3,306 | 3,588 | 3,915 | 4,251 | 4,598 |
| GUADALUPE BASIN TOTAL POPULATION | 21,604 | 23,759 | 25,787 | 28,138 | 30,530 | 33,031 |

WUG POPULATION

| REGION L | WUG POPULATION | | | | | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| GONZALES COUNTY | | | | | | |
| LAVACA BASIN | | | | | | |
| COUNTY-OTHER | 147 | 162 | 176 | 192 | 208 | 225 |
| LAVACA BASIN TOTAL POPULATION | 147 | 162 | 176 | 192 | 208 | 225 |
| GONZALES COUNTY TOTAL POPULATION | 21,751 | 23,921 | 25,963 | 28,330 | 30,738 | 33,256 |
| GUADALUPE COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| CRYSTAL CLEAR WSC | 11,211 | 13,479 | 15,799 | 18,068 | 20,378 | 22,646 |
| GONZALES COUNTY WSC | 100 | 121 | 141 | 162 | 182 | 202 |
| GREEN VALLEY SUD | 11,342 | 13,636 | 15,983 | 18,279 | 20,615 | 22,909 |
| LULING | 24 | 28 | 33 | 38 | 43 | 47 |
| NEW BRAUNFELS | 12,373 | 14,875 | 17,436 | 19,940 | 22,489 | 24,991 |
| SANTA CLARA | 123 | 148 | 173 | 198 | 223 | 248 |
| SCHERTZ | 2,962 | 3,958 | 4,657 | 5,342 | 6,036 | 6,716 |
| SEGUIN | 30,675 | 36,879 | 43,227 | 49,436 | 55,756 | 61,960 |
| SPRINGS HILL WSC | 14,564 | 17,510 | 20,524 | 23,472 | 26,472 | 29,418 |
| COUNTY-OTHER | 5,474 | 6,084 | 7,736 | 9,351 | 10,996 | 12,611 |
| GUADALUPE BASIN TOTAL POPULATION | 88,848 | 106,718 | 125,709 | 144,286 | 163,190 | 181,748 |
| SAN ANTONIO BASIN | | | | | | |
| CIBOLO | 37,000 | 54,800 | 64,234 | 73,459 | 82,849 | 92,069 |
| EAST CENTRAL SUD | 685 | 824 | 965 | 1,104 | 1,245 | 1,384 |
| GREEN VALLEY SUD | 8,280 | 9,955 | 11,669 | 13,345 | 15,051 | 16,726 |
| MARION | 1,299 | 1,562 | 1,831 | 2,094 | 2,361 | 2,624 |
| NEW BERLIN | 623 | 749 | 878 | 1,004 | 1,132 | 1,258 |
| SANTA CLARA | 761 | 915 | 1,072 | 1,226 | 1,383 | 1,537 |
| SCHERTZ | 37,067 | 49,524 | 58,269 | 66,841 | 75,534 | 84,043 |
| SELMA | 2,274 | 5,012 | 5,012 | 5,012 | 5,012 | 5,012 |
| SPRINGS HILL WSC | 1,960 | 2,356 | 2,762 | 3,158 | 3,562 | 3,958 |
| WATER SERVICES INC | 247 | 296 | 347 | 397 | 448 | 498 |
| COUNTY-OTHER | 3,649 | 2,607 | 3,316 | 4,008 | 4,713 | 5,404 |
| SAN ANTONIO BASIN TOTAL POPULATION | 93,845 | 128,600 | 150,355 | 171,648 | 193,290 | 214,513 |
| GUADALUPE COUNTY TOTAL POPULATION | 182,693 | 235,318 | 276,064 | 315,934 | 356,480 | 396,261 |
| HAYS COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| BUDA | 1,658 | 2,184 | 2,826 | 3,627 | 4,533 | 5,564 |
| COUNTY LINE WSC | 2,601 | 3,427 | 4,433 | 5,691 | 7,112 | 8,730 |
| CREEDMOOR-MAHA WSC | 82 | 108 | 139 | 179 | 223 | 274 |
| CRYSTAL CLEAR WSC | 4,393 | 5,131 | 6,029 | 7,152 | 8,421 | 9,865 |
| GOFORTH SUD | 12,870 | 16,829 | 21,650 | 27,677 | 34,487 | 42,238 |
| KYLE | 50,808 | 77,050 | 92,000 | 92,000 | 92,000 | 92,000 |
| MAXWELL WSC | 1,146 | 1,248 | 1,372 | 1,527 | 1,702 | 1,902 |
| MOUNTAIN CITY | 199 | 263 | 340 | 436 | 544 | 668 |
| NIEDERWALD | 601 | 792 | 1,025 | 1,315 | 1,643 | 2,017 |
| PLUM CREEK WATER COMPANY | 10,934 | 15,878 | 15,592 | 15,350 | 15,159 | 15,009 |
| SAN MARCOS | 71,108 | 84,803 | 101,138 | 120,621 | 143,859 | 171,575 |
| UHLAND | 770 | 1,063 | 1,420 | 1,866 | 2,370 | 2,943 |
| WIMBERLEY | 3,627 | 4,780 | 6,183 | 7,937 | 9,919 | 12,175 |
| WIMBERLEY WSC | 4,063 | 6,083 | 8,542 | 11,617 | 15,091 | 19,045 |

WUG POPULATION

| REGION L | WUG POPULATION | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| HAYS COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| WOODCREEK | 1,641 | 1,853 | 2,111 | 2,434 | 2,798 | 3,213 |
| COUNTY-OTHER | 16,777 | 19,057 | 38,837 | 53,743 | 101,516 | 154,547 |
| GUADALUPE BASIN TOTAL POPULATION | 183,278 | 240,549 | 303,637 | 353,172 | 441,377 | 541,765 |
| HAYS COUNTY TOTAL POPULATION | 183,278 | 240,549 | 303,637 | 353,172 | 441,377 | 541,765 |
| KARNES COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| EL OSO WSC | 32 | 33 | 33 | 33 | 33 | 33 |
| COUNTY-OTHER | 89 | 91 | 92 | 92 | 92 | 92 |
| GUADALUPE BASIN TOTAL POPULATION | 121 | 124 | 125 | 125 | 125 | 125 |
| NUECES BASIN | | | | | | |
| EL OSO WSC | 90 | 93 | 93 | 93 | 93 | 93 |
| COUNTY-OTHER | 76 | 80 | 79 | 79 | 79 | 79 |
| NUECES BASIN TOTAL POPULATION | 166 | 173 | 172 | 172 | 172 | 172 |
| SAN ANTONIO BASIN | | | | | | |
| EL OSO WSC | 2,623 | 2,704 | 2,709 | 2,709 | 2,709 | 2,709 |
| FALLS CITY | 638 | 657 | 659 | 659 | 659 | 659 |
| KARNES CITY | 3,172 | 3,271 | 3,277 | 3,277 | 3,277 | 3,277 |
| KENEDY | 3,437 | 3,544 | 3,551 | 3,551 | 3,551 | 3,551 |
| RUNGE | 1,075 | 1,109 | 1,111 | 1,111 | 1,111 | 1,111 |
| SUNKO WSC | 193 | 199 | 200 | 200 | 200 | 200 |
| COUNTY-OTHER | 3,967 | 4,092 | 4,098 | 4,098 | 4,098 | 4,098 |
| SAN ANTONIO BASIN TOTAL POPULATION | 15,105 | 15,576 | 15,605 | 15,605 | 15,605 | 15,605 |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| EL OSO WSC | 23 | 24 | 24 | 24 | 24 | 24 |
| COUNTY-OTHER | 41 | 41 | 42 | 42 | 42 | 42 |
| SAN ANTONIO-NUECES BASIN TOTAL POPULATION | 64 | 65 | 66 | 66 | 66 | 66 |
| KARNES COUNTY TOTAL POPULATION | 15,456 | 15,938 | 15,968 | 15,968 | 15,968 | 15,968 |
| KENDALL COUNTY | | | | | | |
| COLORADO BASIN | | | | | | |
| COUNTY-OTHER | 329 | 406 | 489 | 571 | 655 | 736 |
| COLORADO BASIN TOTAL POPULATION | 329 | 406 | 489 | 571 | 655 | 736 |
| GUADALUPE BASIN | | | | | | |
| KENDALL COUNTY WCID #1 | 3,190 | 3,750 | 4,341 | 4,927 | 5,525 | 6,112 |
| COUNTY-OTHER | 13,000 | 16,289 | 19,764 | 23,208 | 26,724 | 30,175 |
| GUADALUPE BASIN TOTAL POPULATION | 16,190 | 20,039 | 24,105 | 28,135 | 32,249 | 36,287 |
| SAN ANTONIO BASIN | | | | | | |
| BOERNE | 14,367 | 18,820 | 23,524 | 28,187 | 32,947 | 37,619 |
| FAIR OAKS RANCH | 2,482 | 3,431 | 4,318 | 4,965 | 5,898 | 6,814 |
| WATER SERVICES INC | 280 | 346 | 417 | 487 | 558 | 628 |
| COUNTY-OTHER | 8,537 | 9,171 | 9,954 | 10,963 | 11,721 | 12,465 |
| SAN ANTONIO BASIN TOTAL POPULATION | 25,666 | 31,768 | 38,213 | 44,602 | 51,124 | 57,526 |
| KENDALL COUNTY TOTAL POPULATION | 42,185 | 52,213 | 62,807 | 73,308 | 84,028 | 94,549 |

WUG POPULATION

| REGION L | WUG POPULATION | | | | | |
|--|----------------|---------------|---------------|---------------|---------------|---------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| LA SALLE COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| COTULLA | 4,069 | 4,457 | 4,819 | 5,226 | 5,577 | 5,902 |
| ENCINAL | 632 | 692 | 748 | 811 | 866 | 916 |
| COUNTY-OTHER | 3,075 | 3,368 | 3,642 | 3,950 | 4,214 | 4,461 |
| NUECES BASIN TOTAL POPULATION | 7,776 | 8,517 | 9,209 | 9,987 | 10,657 | 11,279 |
| LA SALLE COUNTY TOTAL POPULATION | 7,776 | 8,517 | 9,209 | 9,987 | 10,657 | 11,279 |
| MEDINA COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| BENTON CITY WSC | 5,157 | 6,193 | 7,074 | 7,842 | 8,535 | 9,138 |
| DEVINE | 4,559 | 4,780 | 4,968 | 5,132 | 5,280 | 5,409 |
| EAST MEDINA COUNTY SUD | 7,719 | 8,873 | 9,854 | 10,710 | 11,482 | 12,153 |
| HONDO | 9,702 | 10,654 | 11,463 | 12,169 | 12,806 | 13,360 |
| LYTLE | 590 | 731 | 851 | 956 | 1,051 | 1,133 |
| NATALIA | 1,638 | 1,857 | 2,043 | 2,206 | 2,352 | 2,480 |
| YANCEY WSC | 1,159 | 1,315 | 1,446 | 1,561 | 1,665 | 1,755 |
| COUNTY-OTHER | 9,511 | 9,986 | 10,738 | 11,330 | 11,816 | 12,172 |
| NUECES BASIN TOTAL POPULATION | 40,035 | 44,389 | 48,437 | 51,906 | 54,987 | 57,600 |
| SAN ANTONIO BASIN | | | | | | |
| CASTROVILLE | 2,696 | 2,713 | 2,728 | 2,741 | 2,753 | 2,763 |
| EAST MEDINA COUNTY SUD | 696 | 800 | 888 | 965 | 1,035 | 1,096 |
| LACOSTE | 1,281 | 1,452 | 1,598 | 1,725 | 1,839 | 1,939 |
| SAN ANTONIO | 52 | 80 | 104 | 125 | 144 | 160 |
| SAN ANTONIO WATER SYSTEM | 2,974 | 4,482 | 5,763 | 6,881 | 7,890 | 8,767 |
| YANCEY WSC | 4,731 | 5,363 | 5,901 | 6,370 | 6,792 | 7,160 |
| COUNTY-OTHER | 188 | 415 | 257 | 183 | 165 | 215 |
| SAN ANTONIO BASIN TOTAL POPULATION | 12,618 | 15,305 | 17,239 | 18,990 | 20,618 | 22,100 |
| MEDINA COUNTY TOTAL POPULATION | 52,653 | 59,694 | 65,676 | 70,896 | 75,605 | 79,700 |
| REFUGIO COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| COUNTY-OTHER | 67 | 69 | 70 | 71 | 71 | 72 |
| SAN ANTONIO BASIN TOTAL POPULATION | 67 | 69 | 70 | 71 | 71 | 72 |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| REFUGIO | 3,009 | 3,104 | 3,126 | 3,179 | 3,201 | 3,215 |
| WOODSBORO | 1,575 | 1,624 | 1,636 | 1,663 | 1,675 | 1,682 |
| COUNTY-OTHER | 3,036 | 3,132 | 3,153 | 3,206 | 3,228 | 3,244 |
| SAN ANTONIO-NUECES BASIN TOTAL POPULATION | 7,620 | 7,860 | 7,915 | 8,048 | 8,104 | 8,141 |
| REFUGIO COUNTY TOTAL POPULATION | 7,687 | 7,929 | 7,985 | 8,119 | 8,175 | 8,213 |
| UVALDE COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| SABINAL | 1,852 | 2,026 | 2,174 | 2,328 | 2,475 | 2,615 |
| UVALDE | 17,208 | 18,819 | 20,199 | 21,628 | 22,992 | 24,299 |
| COUNTY-OTHER | 9,786 | 10,703 | 11,488 | 12,301 | 13,076 | 13,820 |
| NUECES BASIN TOTAL POPULATION | 28,846 | 31,548 | 33,861 | 36,257 | 38,543 | 40,734 |
| UVALDE COUNTY TOTAL POPULATION | 28,846 | 31,548 | 33,861 | 36,257 | 38,543 | 40,734 |

WUG POPULATION

| REGION L | WUG POPULATION | | | | | |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| VICTORIA COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| VICTORIA | 45,688 | 48,862 | 51,359 | 53,584 | 55,410 | 56,923 |
| COUNTY-OTHER | 15,410 | 16,404 | 17,187 | 17,883 | 18,456 | 18,929 |
| GUADALUPE BASIN TOTAL POPULATION | 61,098 | 65,266 | 68,546 | 71,467 | 73,866 | 75,852 |
| LAVACA BASIN | | | | | | |
| COUNTY-OTHER | 43 | 46 | 48 | 50 | 52 | 53 |
| LAVACA BASIN TOTAL POPULATION | 43 | 46 | 48 | 50 | 52 | 53 |
| LAVACA-GUADALUPE BASIN | | | | | | |
| VICTORIA | 22,099 | 23,634 | 24,842 | 25,917 | 26,801 | 27,533 |
| COUNTY-OTHER | 10,547 | 11,239 | 11,784 | 12,269 | 12,666 | 12,997 |
| LAVACA-GUADALUPE BASIN TOTAL POPULATION | 32,646 | 34,873 | 36,626 | 38,186 | 39,467 | 40,530 |
| SAN ANTONIO BASIN | | | | | | |
| COUNTY-OTHER | 70 | 75 | 78 | 82 | 85 | 87 |
| SAN ANTONIO BASIN TOTAL POPULATION | 70 | 75 | 78 | 82 | 85 | 87 |
| VICTORIA COUNTY TOTAL POPULATION | 93,857 | 100,260 | 105,298 | 109,785 | 113,470 | 116,522 |
| WILSON COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| NIXON | 8 | 10 | 12 | 14 | 16 | 17 |
| SUNKO WSC | 27 | 33 | 39 | 44 | 50 | 54 |
| COUNTY-OTHER | 339 | 418 | 494 | 563 | 626 | 686 |
| GUADALUPE BASIN TOTAL POPULATION | 374 | 461 | 545 | 621 | 692 | 757 |
| NUECES BASIN | | | | | | |
| MCCOY WSC | 346 | 426 | 505 | 574 | 641 | 701 |
| COUNTY-OTHER | 414 | 510 | 602 | 686 | 766 | 836 |
| NUECES BASIN TOTAL POPULATION | 760 | 936 | 1,107 | 1,260 | 1,407 | 1,537 |
| SAN ANTONIO BASIN | | | | | | |
| EAST CENTRAL SUD | 1,111 | 1,368 | 1,618 | 1,843 | 2,056 | 2,248 |
| EL OSO WSC | 179 | 221 | 261 | 297 | 332 | 363 |
| ELMENDORF | 15 | 18 | 22 | 25 | 28 | 30 |
| FLORESVILLE | 8,152 | 10,041 | 11,875 | 13,524 | 15,085 | 16,491 |
| LA VERNIA | 1,307 | 1,610 | 1,904 | 2,168 | 2,419 | 2,644 |
| MCCOY WSC | 28 | 34 | 40 | 46 | 51 | 56 |
| OAK HILLS WSC | 5,405 | 6,657 | 7,873 | 8,966 | 10,001 | 10,934 |
| POTH | 2,412 | 2,971 | 3,514 | 4,001 | 4,463 | 4,880 |
| S S WSC | 16,420 | 20,224 | 23,918 | 27,238 | 30,384 | 33,216 |
| STOCKDALE | 1,823 | 2,245 | 2,655 | 3,024 | 3,373 | 3,688 |
| SUNKO WSC | 4,441 | 5,470 | 6,469 | 7,368 | 8,218 | 8,984 |
| COUNTY-OTHER | 11,839 | 14,581 | 17,243 | 19,635 | 21,902 | 23,943 |
| SAN ANTONIO BASIN TOTAL POPULATION | 53,132 | 65,440 | 77,392 | 88,135 | 98,312 | 107,477 |
| WILSON COUNTY TOTAL POPULATION | 54,266 | 66,837 | 79,044 | 90,016 | 100,411 | 109,771 |
| ZAVALA COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| CRYSTAL CITY | 8,063 | 9,022 | 9,880 | 10,711 | 11,484 | 12,199 |
| ZAVALA COUNTY WCID #1 | 1,672 | 1,871 | 2,049 | 2,221 | 2,382 | 2,530 |
| COUNTY-OTHER | 3,454 | 3,865 | 4,232 | 4,589 | 4,920 | 5,227 |

WUG POPULATION

| REGION L | WUG POPULATION | | | | | |
|---------------------------------------|-----------------------|------------------|------------------|------------------|------------------|------------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| ZAVALA COUNTY | | | | | | |
| NUECES BASIN TOTAL POPULATION | 13,189 | 14,758 | 16,161 | 17,521 | 18,786 | 19,956 |
| ZAVALA COUNTY TOTAL POPULATION | 13,189 | 14,758 | 16,161 | 17,521 | 18,786 | 19,956 |
| | | | | | | |
| REGION L TOTAL POPULATION | 3,001,465 | 3,476,548 | 3,919,536 | 4,336,127 | 4,770,185 | 5,192,028 |

Region L
TWDB DB17 Water Demand Report

WUG DEMAND

| REGION L | WUG DEMAND (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------------|---------------------------------|---------------|---------------|---------------|---------------|---------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| ATASCOSA COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| BENTON CITY WSC | 882 | 993 | 1,099 | 1,207 | 1,313 | 1,413 |
| CHARLOTTE | 344 | 386 | 425 | 467 | 508 | 547 |
| JOURDANTON | 959 | 1,083 | 1,198 | 1,317 | 1,434 | 1,544 |
| LYTLE | 452 | 510 | 563 | 618 | 673 | 725 |
| MCCOY WSC | 905 | 1,012 | 1,113 | 1,219 | 1,326 | 1,427 |
| PLEASANTON | 2,283 | 2,582 | 2,859 | 3,143 | 3,423 | 3,685 |
| POTEET | 472 | 523 | 571 | 623 | 678 | 730 |
| SAN ANTONIO WATER SYSTEM | 716 | 803 | 885 | 970 | 1,055 | 1,136 |
| COUNTY-OTHER | 847 | 940 | 1,028 | 1,123 | 1,222 | 1,315 |
| MANUFACTURING | 12 | 12 | 12 | 12 | 12 | 12 |
| MINING | 4,081 | 4,043 | 3,935 | 3,212 | 2,478 | 2,043 |
| STEAM ELECTRIC POWER | 4,807 | 6,101 | 5,997 | 7,336 | 7,672 | 7,819 |
| LIVESTOCK | 1,509 | 1,509 | 1,509 | 1,509 | 1,509 | 1,509 |
| IRRIGATION | 26,328 | 25,446 | 24,597 | 23,780 | 22,991 | 22,273 |
| NUECES BASIN TOTAL DEMAND | 44,597 | 45,943 | 45,791 | 46,536 | 46,294 | 46,178 |
| SAN ANTONIO BASIN | | | | | | |
| BENTON CITY WSC | 109 | 123 | 136 | 150 | 163 | 175 |
| COUNTY-OTHER | 75 | 84 | 91 | 100 | 109 | 117 |
| IRRIGATION | 266 | 257 | 248 | 240 | 232 | 225 |
| SAN ANTONIO BASIN TOTAL DEMAND | 450 | 464 | 475 | 490 | 504 | 517 |
| ATASCOSA COUNTY TOTAL DEMAND | 45,047 | 46,407 | 46,266 | 47,026 | 46,798 | 46,695 |
| BEXAR COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| ATASCOSA RURAL WSC | 88 | 103 | 117 | 131 | 145 | 158 |
| LYTLE | 11 | 15 | 18 | 21 | 23 | 26 |
| COUNTY-OTHER | 1,504 | 1,638 | 1,774 | 1,917 | 2,056 | 2,184 |
| LIVESTOCK | 178 | 178 | 178 | 178 | 178 | 178 |
| IRRIGATION | 1,301 | 1,246 | 1,194 | 1,143 | 1,095 | 1,052 |
| NUECES BASIN TOTAL DEMAND | 3,082 | 3,180 | 3,281 | 3,390 | 3,497 | 3,598 |
| SAN ANTONIO BASIN | | | | | | |
| ALAMO HEIGHTS | 2,216 | 2,268 | 2,240 | 2,227 | 2,225 | 2,225 |
| ATASCOSA RURAL WSC | 1,508 | 1,772 | 2,020 | 2,268 | 2,502 | 2,719 |
| BALCONES HEIGHTS | 518 | 566 | 612 | 662 | 711 | 758 |
| CASTLE HILLS | 395 | 375 | 359 | 351 | 350 | 349 |
| CHINA GROVE | 316 | 350 | 381 | 413 | 445 | 474 |
| CONVERSE | 2,536 | 2,744 | 2,930 | 2,905 | 2,898 | 2,897 |
| EAST CENTRAL SUD | 1,357 | 1,461 | 1,561 | 1,671 | 1,784 | 1,890 |
| ELMENDORF | 308 | 394 | 474 | 552 | 625 | 691 |
| FAIR OAKS RANCH | 1,311 | 1,384 | 1,419 | 1,400 | 1,464 | 1,524 |
| GREEN VALLEY SUD | 250 | 265 | 281 | 301 | 323 | 343 |
| HELOTES | 1,622 | 1,998 | 2,349 | 2,690 | 3,005 | 3,295 |
| HILL COUNTRY VILLAGE | 234 | 230 | 226 | 224 | 224 | 224 |
| HOLLYWOOD PARK | 949 | 953 | 959 | 969 | 983 | 997 |
| KIRBY | 942 | 1,012 | 986 | 977 | 974 | 974 |
| LACKLAND AFB | 1,054 | 1,013 | 981 | 962 | 959 | 959 |
| LEON VALLEY | 1,860 | 1,931 | 2,001 | 2,083 | 2,174 | 2,260 |
| LIVE OAK | 2,677 | 2,687 | 2,648 | 2,626 | 2,621 | 2,621 |

WUG DEMAND

| REGION L | WUG DEMAND (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------------|---------------------------------|----------------|----------------|----------------|----------------|----------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| BEXAR COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| OLMOS PARK | 564 | 623 | 678 | 736 | 791 | 843 |
| RANDOLPH AFB | 97 | 109 | 121 | 132 | 142 | 151 |
| SAN ANTONIO | 235,320 | 258,645 | 280,772 | 303,790 | 326,624 | 347,849 |
| SAN ANTONIO WATER SYSTEM | 28,224 | 30,974 | 33,634 | 36,391 | 39,111 | 41,647 |
| SCHERTZ | 240 | 295 | 369 | 447 | 542 | 629 |
| SELMA | 788 | 879 | 969 | 1,056 | 1,136 | 1,211 |
| SHAVANO PARK | 1,104 | 1,234 | 1,356 | 1,476 | 1,588 | 1,692 |
| SOMERSET | 221 | 240 | 259 | 279 | 300 | 319 |
| ST. HEDWIG | 346 | 379 | 410 | 443 | 476 | 507 |
| TERRELL HILLS | 1,299 | 1,276 | 1,257 | 1,247 | 1,245 | 1,245 |
| THE OAKS WSC | 370 | 433 | 492 | 551 | 605 | 656 |
| UNIVERSAL CITY | 3,195 | 3,210 | 3,151 | 3,118 | 3,112 | 3,111 |
| VON ORMY | 140 | 153 | 165 | 178 | 191 | 204 |
| WATER SERVICES INC | 660 | 715 | 767 | 826 | 884 | 937 |
| WINDCREST | 1,203 | 1,220 | 1,238 | 1,265 | 1,297 | 1,328 |
| COUNTY-OTHER | 3,681 | 5,299 | 7,215 | 9,503 | 11,548 | 13,422 |
| MANUFACTURING | 22,737 | 25,264 | 27,802 | 30,035 | 32,461 | 35,083 |
| MINING | 7,820 | 8,740 | 9,533 | 10,404 | 11,399 | 12,502 |
| STEAM ELECTRIC POWER | 25,215 | 29,501 | 32,275 | 35,355 | 38,775 | 42,526 |
| LIVESTOCK | 980 | 980 | 980 | 980 | 980 | 980 |
| IRRIGATION | 10,325 | 9,889 | 9,470 | 9,070 | 8,686 | 8,349 |
| SAN ANTONIO BASIN TOTAL DEMAND | 364,582 | 401,461 | 435,340 | 470,563 | 506,160 | 540,391 |
| BEXAR COUNTY TOTAL DEMAND | 367,664 | 404,641 | 438,621 | 473,953 | 509,657 | 543,989 |
| CALDWELL COUNTY | | | | | | |
| COLORADO BASIN | | | | | | |
| AQUA WSC | 43 | 51 | 60 | 68 | 77 | 86 |
| CREEDMOOR-MAHA WSC | 114 | 133 | 152 | 172 | 195 | 216 |
| MUSTANG RIDGE | 69 | 82 | 95 | 108 | 122 | 136 |
| POLONIA WSC | 282 | 333 | 386 | 440 | 498 | 554 |
| COUNTY-OTHER | 51 | 60 | 70 | 79 | 90 | 100 |
| MINING | 11 | 9 | 6 | 4 | 2 | 1 |
| LIVESTOCK | 71 | 71 | 71 | 71 | 71 | 71 |
| IRRIGATION | 19 | 17 | 15 | 13 | 12 | 11 |
| COLORADO BASIN TOTAL DEMAND | 660 | 756 | 855 | 955 | 1,067 | 1,175 |
| GUADALUPE BASIN | | | | | | |
| AQUA WSC | 242 | 289 | 336 | 385 | 435 | 484 |
| COUNTY LINE WSC | 82 | 97 | 114 | 132 | 149 | 166 |
| CREEDMOOR-MAHA WSC | 29 | 34 | 39 | 45 | 50 | 56 |
| GOFORTH SUD | 41 | 49 | 56 | 64 | 73 | 81 |
| GONZALES COUNTY WSC | 58 | 70 | 83 | 95 | 91 | 102 |
| LOCKHART | 2,251 | 2,676 | 3,105 | 3,547 | 4,010 | 4,465 |
| LULING | 950 | 1,125 | 1,301 | 1,484 | 1,678 | 1,868 |
| MARTINDALE | 187 | 221 | 256 | 292 | 330 | 367 |
| MAXWELL WSC | 414 | 487 | 561 | 638 | 720 | 802 |
| MUSTANG RIDGE | 2 | 2 | 2 | 3 | 3 | 3 |
| NIEDERWALD | 16 | 19 | 22 | 25 | 28 | 31 |

WUG DEMAND

| REGION L | WUG DEMAND (ACRE-FEET PER YEAR) | | | | | |
|--|---------------------------------|---------------|---------------|---------------|---------------|---------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| CALDWELL COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| POLONIA WSC | 596 | 707 | 819 | 935 | 1,055 | 1,175 |
| SAN MARCOS | 2 | 3 | 4 | 5 | 6 | 7 |
| UHLAND | 79 | 94 | 110 | 126 | 142 | 158 |
| COUNTY-OTHER | 674 | 796 | 920 | 1,050 | 1,186 | 1,320 |
| MANUFACTURING | 8 | 9 | 10 | 11 | 12 | 13 |
| MINING | 112 | 89 | 66 | 42 | 18 | 8 |
| LIVESTOCK | 937 | 937 | 937 | 937 | 937 | 937 |
| IRRIGATION | 599 | 532 | 473 | 420 | 372 | 339 |
| GUADALUPE BASIN TOTAL DEMAND | 7,279 | 8,236 | 9,214 | 10,236 | 11,295 | 12,382 |
| CALDWELL COUNTY TOTAL DEMAND | 7,939 | 8,992 | 10,069 | 11,191 | 12,362 | 13,557 |
| CALHOUN COUNTY | | | | | | |
| COLORADO-LAVACA BASIN | | | | | | |
| POINT COMFORT | 87 | 92 | 99 | 107 | 115 | 124 |
| COUNTY-OTHER | 94 | 101 | 110 | 120 | 129 | 138 |
| MANUFACTURING | 30,171 | 32,579 | 34,966 | 37,073 | 39,731 | 42,030 |
| MINING | 26 | 27 | 20 | 15 | 9 | 6 |
| LIVESTOCK | 66 | 66 | 66 | 66 | 66 | 66 |
| IRRIGATION | 712 | 630 | 575 | 536 | 499 | 461 |
| COLORADO-LAVACA BASIN TOTAL DEMAND | 31,156 | 33,495 | 35,836 | 37,917 | 40,549 | 42,825 |
| GUADALUPE BASIN | | | | | | |
| LIVESTOCK | 2 | 2 | 2 | 2 | 2 | 2 |
| GUADALUPE BASIN TOTAL DEMAND | 2 | 2 | 2 | 2 | 2 | 2 |
| LAVACA-GUADALUPE BASIN | | | | | | |
| CALHOUN COUNTY WS | 356 | 376 | 398 | 425 | 457 | 490 |
| PORT LAVACA | 1,927 | 2,080 | 2,237 | 2,408 | 2,598 | 2,786 |
| PORT O'CONNOR MUD | 110 | 116 | 123 | 132 | 142 | 152 |
| SEADRIFT | 256 | 278 | 300 | 324 | 349 | 374 |
| COUNTY-OTHER | 141 | 152 | 167 | 180 | 195 | 210 |
| MANUFACTURING | 24,686 | 26,656 | 28,609 | 30,333 | 32,507 | 34,389 |
| MINING | 26 | 28 | 21 | 15 | 10 | 6 |
| LIVESTOCK | 260 | 260 | 260 | 260 | 260 | 260 |
| IRRIGATION | 12,748 | 11,294 | 10,309 | 9,603 | 8,945 | 8,257 |
| LAVACA-GUADALUPE BASIN TOTAL DEMAND | 40,510 | 41,240 | 42,424 | 43,680 | 45,463 | 46,924 |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| COUNTY-OTHER | 9 | 9 | 11 | 12 | 13 | 13 |
| LIVESTOCK | 16 | 16 | 16 | 16 | 16 | 16 |
| IRRIGATION | 12 | 11 | 10 | 9 | 9 | 8 |
| SAN ANTONIO-NUECES BASIN TOTAL DEMAND | 37 | 36 | 37 | 37 | 38 | 37 |
| CALHOUN COUNTY TOTAL DEMAND | 71,705 | 74,773 | 78,299 | 81,636 | 86,052 | 89,788 |
| COMAL COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| BULVERDE | 9 | 10 | 11 | 13 | 14 | 15 |
| CANYON LAKE WATER SERVICE COMPANY | 3,112 | 4,314 | 5,554 | 6,812 | 8,067 | 9,275 |
| CRYSTAL CLEAR WSC | 301 | 336 | 374 | 415 | 458 | 500 |

WUG DEMAND

| REGION L | WUG DEMAND (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------------|---------------------------------|---------------|---------------|---------------|---------------|---------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| COMAL COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| GARDEN RIDGE | 1,062 | 1,430 | 1,806 | 2,188 | 2,570 | 2,936 |
| GREEN VALLEY SUD | 28 | 34 | 39 | 45 | 52 | 58 |
| NEW BRAUNFELS | 12,380 | 15,203 | 18,118 | 21,108 | 24,127 | 27,039 |
| SAN ANTONIO WATER SYSTEM | 661 | 956 | 1,254 | 1,558 | 1,866 | 2,157 |
| SCHERTZ | 247 | 394 | 587 | 813 | 1,094 | 1,379 |
| COUNTY-OTHER | 3,955 | 3,917 | 3,843 | 3,812 | 3,741 | 3,694 |
| MANUFACTURING | 8,477 | 9,221 | 9,945 | 10,565 | 11,437 | 12,382 |
| MINING | 8,256 | 9,596 | 10,886 | 12,012 | 13,423 | 15,003 |
| LIVESTOCK | 240 | 240 | 240 | 240 | 240 | 240 |
| IRRIGATION | 386 | 351 | 316 | 281 | 247 | 227 |
| GUADALUPE BASIN TOTAL DEMAND | 39,114 | 46,002 | 52,973 | 59,862 | 67,336 | 74,905 |
| SAN ANTONIO BASIN | | | | | | |
| BULVERDE | 794 | 929 | 1,070 | 1,215 | 1,363 | 1,506 |
| CANYON LAKE WATER SERVICE COMPANY | 771 | 1,068 | 1,375 | 1,686 | 1,996 | 2,295 |
| FAIR OAKS RANCH | 106 | 125 | 140 | 150 | 168 | 186 |
| GARDEN RIDGE | 600 | 808 | 1,021 | 1,237 | 1,452 | 1,660 |
| SAN ANTONIO WATER SYSTEM | 566 | 821 | 1,076 | 1,335 | 1,600 | 1,863 |
| SCHERTZ | 6 | 10 | 15 | 20 | 27 | 34 |
| SELMA | 3 | 4 | 5 | 6 | 6 | 7 |
| COUNTY-OTHER | 209 | 238 | 280 | 291 | 317 | 313 |
| MANUFACTURING | 86 | 93 | 100 | 107 | 116 | 125 |
| MINING | 344 | 400 | 454 | 501 | 559 | 625 |
| LIVESTOCK | 18 | 18 | 18 | 18 | 18 | 18 |
| IRRIGATION | 43 | 39 | 35 | 31 | 28 | 25 |
| SAN ANTONIO BASIN TOTAL DEMAND | 3,546 | 4,553 | 5,589 | 6,597 | 7,650 | 8,657 |
| COMAL COUNTY TOTAL DEMAND | 42,660 | 50,555 | 58,562 | 66,459 | 74,986 | 83,562 |
| DEWITT COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| CUERO | 2,195 | 2,229 | 2,232 | 2,248 | 1,942 | 1,955 |
| GONZALES COUNTY WSC | 113 | 115 | 117 | 118 | 102 | 102 |
| YORKTOWN | 447 | 448 | 446 | 449 | 388 | 390 |
| COUNTY-OTHER | 1,139 | 1,138 | 1,126 | 1,125 | 970 | 976 |
| MANUFACTURING | 330 | 352 | 373 | 391 | 421 | 454 |
| MINING | 2,405 | 2,259 | 1,668 | 1,081 | 494 | 229 |
| LIVESTOCK | 1,517 | 1,517 | 1,517 | 1,517 | 1,517 | 1,517 |
| IRRIGATION | 520 | 520 | 520 | 520 | 520 | 520 |
| GUADALUPE BASIN TOTAL DEMAND | 8,666 | 8,578 | 7,999 | 7,449 | 6,354 | 6,143 |
| LAVACA BASIN | | | | | | |
| YOAKUM | 455 | 458 | 455 | 456 | 402 | 404 |
| COUNTY-OTHER | 203 | 203 | 200 | 200 | 173 | 174 |
| MANUFACTURING | 220 | 234 | 249 | 261 | 281 | 302 |
| MINING | 506 | 476 | 351 | 228 | 104 | 48 |
| LIVESTOCK | 309 | 309 | 309 | 309 | 309 | 309 |
| IRRIGATION | 846 | 846 | 846 | 846 | 846 | 846 |
| LAVACA BASIN TOTAL DEMAND | 2,539 | 2,526 | 2,410 | 2,300 | 2,115 | 2,083 |
| LAVACA-GUADALUPE BASIN | | | | | | |
| COUNTY-OTHER | 2 | 2 | 2 | 2 | 2 | 2 |

WUG DEMAND

| REGION L | WUG DEMAND (ACRE-FEET PER YEAR) | | | | | |
|--|---------------------------------|---------------|---------------|---------------|---------------|---------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| DEWITT COUNTY | | | | | | |
| LAVACA-GUADALUPE BASIN | | | | | | |
| LIVESTOCK | 18 | 18 | 18 | 18 | 18 | 18 |
| IRRIGATION | 15 | 15 | 15 | 15 | 15 | 15 |
| LAVACA-GUADALUPE BASIN TOTAL DEMAND | 35 | 35 | 35 | 35 | 35 | 35 |
| SAN ANTONIO BASIN | | | | | | |
| COUNTY-OTHER | 88 | 88 | 87 | 87 | 75 | 76 |
| MINING | 254 | 238 | 176 | 113 | 52 | 24 |
| LIVESTOCK | 150 | 150 | 150 | 150 | 150 | 150 |
| IRRIGATION | 104 | 104 | 104 | 104 | 104 | 104 |
| SAN ANTONIO BASIN TOTAL DEMAND | 596 | 580 | 517 | 454 | 381 | 354 |
| DEWITT COUNTY TOTAL DEMAND | 11,836 | 11,719 | 10,961 | 10,238 | 8,885 | 8,615 |
| DIMMIT COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| ASHERTON | 341 | 359 | 374 | 390 | 280 | 287 |
| BIG WELLS | 174 | 181 | 185 | 192 | 138 | 141 |
| CARRIZO SPRINGS | 2,270 | 2,402 | 2,479 | 2,581 | 1,856 | 1,903 |
| COUNTY-OTHER | 607 | 636 | 649 | 671 | 481 | 494 |
| MINING | 4,265 | 4,336 | 3,760 | 2,448 | 1,140 | 531 |
| LIVESTOCK | 439 | 439 | 439 | 439 | 439 | 439 |
| IRRIGATION | 5,020 | 4,968 | 4,768 | 4,563 | 4,366 | 4,232 |
| NUECES BASIN TOTAL DEMAND | 13,116 | 13,321 | 12,654 | 11,284 | 8,700 | 8,027 |
| RIO GRANDE BASIN | | | | | | |
| COUNTY-OTHER | 4 | 4 | 5 | 5 | 4 | 4 |
| MINING | 654 | 665 | 577 | 376 | 175 | 81 |
| LIVESTOCK | 49 | 49 | 49 | 49 | 49 | 49 |
| IRRIGATION | 755 | 747 | 717 | 686 | 657 | 637 |
| RIO GRANDE BASIN TOTAL DEMAND | 1,462 | 1,465 | 1,348 | 1,116 | 885 | 771 |
| DIMMIT COUNTY TOTAL DEMAND | 14,578 | 14,786 | 14,002 | 12,400 | 9,585 | 8,798 |
| FRIO COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| BENTON CITY WSC | 62 | 67 | 71 | 76 | 80 | 84 |
| DILLEY | 1,025 | 1,110 | 1,185 | 1,263 | 1,337 | 1,405 |
| PEARSALL | 2,021 | 2,181 | 2,323 | 2,472 | 2,616 | 2,750 |
| COUNTY-OTHER | 528 | 559 | 602 | 643 | 680 | 715 |
| MINING | 1,217 | 1,250 | 1,178 | 986 | 620 | 390 |
| STEAM ELECTRIC POWER | 555 | 417 | 398 | 158 | 189 | 163 |
| LIVESTOCK | 994 | 994 | 994 | 994 | 994 | 994 |
| IRRIGATION | 70,831 | 68,327 | 65,932 | 63,638 | 61,423 | 59,412 |
| NUECES BASIN TOTAL DEMAND | 77,233 | 74,905 | 72,683 | 70,230 | 67,939 | 65,913 |
| FRIO COUNTY TOTAL DEMAND | 77,233 | 74,905 | 72,683 | 70,230 | 67,939 | 65,913 |
| GOLIAD COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| COUNTY-OTHER | 502 | 547 | 575 | 585 | 436 | 441 |
| MINING | 126 | 126 | 126 | 126 | 126 | 126 |
| STEAM ELECTRIC POWER | 17,080 | 17,080 | 17,080 | 17,080 | 17,080 | 17,080 |
| LIVESTOCK | 262 | 262 | 262 | 262 | 262 | 262 |
| IRRIGATION | 575 | 575 | 575 | 575 | 575 | 575 |

WUG DEMAND

| REGION L | WUG DEMAND (ACRE-FEET PER YEAR) | | | | | |
|--|---------------------------------|---------------|---------------|---------------|---------------|---------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| GOLIAD COUNTY | | | | | | |
| GUADALUPE BASIN TOTAL DEMAND | 18,545 | 18,590 | 18,618 | 18,628 | 18,479 | 18,484 |
| SAN ANTONIO BASIN | | | | | | |
| GOLIAD | 611 | 674 | 713 | 729 | 544 | 551 |
| COUNTY-OTHER | 421 | 458 | 482 | 490 | 365 | 370 |
| MANUFACTURING | 34 | 51 | 68 | 85 | 102 | 122 |
| MINING | 275 | 275 | 275 | 275 | 275 | 275 |
| LIVESTOCK | 448 | 448 | 448 | 448 | 448 | 448 |
| IRRIGATION | 2,209 | 2,209 | 2,209 | 2,209 | 2,209 | 2,209 |
| SAN ANTONIO BASIN TOTAL DEMAND | 3,998 | 4,115 | 4,195 | 4,236 | 3,943 | 3,975 |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| COUNTY-OTHER | 112 | 123 | 129 | 131 | 99 | 99 |
| MINING | 49 | 49 | 49 | 49 | 49 | 49 |
| LIVESTOCK | 418 | 418 | 418 | 418 | 418 | 418 |
| IRRIGATION | 416 | 416 | 416 | 416 | 416 | 416 |
| SAN ANTONIO-NUECES BASIN TOTAL DEMAND | 995 | 1,006 | 1,012 | 1,014 | 982 | 982 |
| GOLIAD COUNTY TOTAL DEMAND | 23,538 | 23,711 | 23,825 | 23,878 | 23,404 | 23,441 |
| GONZALES COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| GONZALES | 2,200 | 2,375 | 2,545 | 2,759 | 2,677 | 2,895 |
| GONZALES COUNTY WSC | 1,989 | 2,153 | 2,340 | 2,534 | 2,337 | 2,528 |
| NIXON | 433 | 462 | 491 | 529 | 538 | 582 |
| SMILEY | 136 | 146 | 156 | 170 | 164 | 177 |
| WAELDER | 224 | 241 | 258 | 279 | 270 | 292 |
| COUNTY-OTHER | 402 | 420 | 454 | 494 | 463 | 502 |
| MANUFACTURING | 1,671 | 1,794 | 1,914 | 2,020 | 2,163 | 2,316 |
| MINING | 1,600 | 1,207 | 813 | 418 | 24 | 1 |
| LIVESTOCK | 4,629 | 4,629 | 4,629 | 4,629 | 4,629 | 4,629 |
| IRRIGATION | 2,413 | 2,080 | 1,792 | 1,545 | 1,333 | 1,193 |
| GUADALUPE BASIN TOTAL DEMAND | 15,697 | 15,507 | 15,392 | 15,377 | 14,598 | 15,115 |
| LAVACA BASIN | | | | | | |
| COUNTY-OTHER | 20 | 21 | 23 | 24 | 24 | 25 |
| LIVESTOCK | 107 | 107 | 107 | 107 | 107 | 107 |
| LAVACA BASIN TOTAL DEMAND | 127 | 128 | 130 | 131 | 131 | 132 |
| GONZALES COUNTY TOTAL DEMAND | 15,824 | 15,635 | 15,522 | 15,508 | 14,729 | 15,247 |
| GUADALUPE COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| CRYSTAL CLEAR WSC | 1,612 | 1,883 | 2,167 | 2,457 | 2,766 | 3,071 |
| GONZALES COUNTY WSC | 32 | 38 | 45 | 51 | 49 | 54 |
| GREEN VALLEY SUD | 892 | 1,004 | 1,128 | 1,265 | 1,421 | 1,577 |
| LULING | 4 | 4 | 5 | 6 | 6 | 7 |
| NEW BRAUNFELS | 2,528 | 2,987 | 3,468 | 3,949 | 4,447 | 4,940 |
| SANTA CLARA | 15 | 17 | 20 | 23 | 25 | 28 |
| SCHERTZ | 478 | 626 | 731 | 835 | 942 | 1,047 |
| SEGUIN | 4,707 | 5,494 | 6,326 | 7,175 | 8,077 | 8,970 |
| SPRINGS HILL WSC | 1,249 | 1,428 | 1,626 | 1,833 | 2,059 | 2,286 |
| COUNTY-OTHER | 640 | 693 | 871 | 1,048 | 1,229 | 1,408 |
| MANUFACTURING | 2,994 | 3,290 | 3,574 | 3,819 | 4,149 | 4,507 |
| MINING | 342 | 412 | 479 | 566 | 663 | 782 |

WUG DEMAND

| REGION L | WUG DEMAND (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------------|---------------------------------|---------------|---------------|---------------|---------------|---------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| GUADALUPE COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| STEAM ELECTRIC POWER | 5,984 | 4,941 | 5,136 | 5,585 | 7,515 | 8,371 |
| LIVESTOCK | 941 | 941 | 941 | 941 | 941 | 941 |
| IRRIGATION | 339 | 300 | 263 | 252 | 250 | 233 |
| GUADALUPE BASIN TOTAL DEMAND | 22,757 | 24,058 | 26,780 | 29,805 | 34,539 | 38,222 |
| SAN ANTONIO BASIN | | | | | | |
| CIBOLO | 5,343 | 7,823 | 9,148 | 10,447 | 11,773 | 13,075 |
| EAST CENTRAL SUD | 97 | 113 | 129 | 145 | 164 | 182 |
| GREEN VALLEY SUD | 651 | 733 | 824 | 924 | 1,038 | 1,152 |
| MARION | 164 | 189 | 216 | 245 | 275 | 305 |
| NEW BERLIN | 102 | 120 | 140 | 159 | 179 | 198 |
| SANTA CLARA | 90 | 105 | 121 | 136 | 154 | 171 |
| SCHERTZ | 5,970 | 7,828 | 9,136 | 10,438 | 11,779 | 13,099 |
| SELMA | 376 | 816 | 813 | 812 | 811 | 810 |
| SPRINGS HILL WSC | 168 | 193 | 219 | 247 | 278 | 308 |
| WATER SERVICES INC | 40 | 47 | 53 | 61 | 68 | 76 |
| COUNTY-OTHER | 427 | 298 | 374 | 450 | 526 | 603 |
| MANUFACTURING | 9 | 10 | 11 | 11 | 12 | 14 |
| MINING | 114 | 138 | 160 | 189 | 221 | 261 |
| LIVESTOCK | 105 | 105 | 105 | 105 | 105 | 105 |
| IRRIGATION | 74 | 66 | 58 | 55 | 55 | 51 |
| SAN ANTONIO BASIN TOTAL DEMAND | 13,730 | 18,584 | 21,507 | 24,424 | 27,438 | 30,410 |
| GUADALUPE COUNTY TOTAL DEMAND | 36,487 | 42,642 | 48,287 | 54,229 | 61,977 | 68,632 |
| HAYS COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| BUDA | 299 | 388 | 499 | 639 | 798 | 979 |
| COUNTY LINE WSC | 181 | 231 | 298 | 383 | 478 | 587 |
| CREEDMOOR-MAHA WSC | 10 | 12 | 15 | 19 | 23 | 28 |
| CRYSTAL CLEAR WSC | 632 | 717 | 827 | 973 | 1,143 | 1,338 |
| GOFORTH SUD | 1,384 | 1,753 | 2,220 | 2,818 | 3,504 | 4,287 |
| KYLE | 5,156 | 7,680 | 9,133 | 9,119 | 9,108 | 9,104 |
| MAXWELL WSC | 117 | 122 | 131 | 144 | 160 | 179 |
| MOUNTAIN CITY | 24 | 30 | 38 | 48 | 60 | 73 |
| NIEDERWALD | 59 | 75 | 96 | 122 | 151 | 185 |
| PLUM CREEK WATER COMPANY | 736 | 1,068 | 1,048 | 1,032 | 1,019 | 1,009 |
| SAN MARCOS | 11,934 | 13,941 | 16,430 | 19,485 | 23,205 | 27,655 |
| UHLAND | 99 | 133 | 175 | 229 | 290 | 360 |
| WIMBERLEY | 626 | 800 | 1,018 | 1,300 | 1,622 | 1,990 |
| WIMBERLEY WSC | 450 | 657 | 919 | 1,247 | 1,617 | 2,039 |
| WOODCREEK | 282 | 311 | 349 | 399 | 458 | 525 |
| COUNTY-OTHER | 2,064 | 2,284 | 4,564 | 6,274 | 11,819 | 17,977 |
| MANUFACTURING | 107 | 122 | 138 | 152 | 165 | 179 |
| STEAM ELECTRIC POWER | 730 | 965 | 1,982 | 2,708 | 3,688 | 5,023 |
| LIVESTOCK | 410 | 410 | 410 | 410 | 410 | 410 |
| IRRIGATION | 650 | 644 | 638 | 632 | 626 | 620 |
| GUADALUPE BASIN TOTAL DEMAND | 25,950 | 32,343 | 40,928 | 48,133 | 60,344 | 74,547 |
| HAYS COUNTY TOTAL DEMAND | 25,950 | 32,343 | 40,928 | 48,133 | 60,344 | 74,547 |

WUG DEMAND

| REGION L | WUG DEMAND (ACRE-FEET PER YEAR) | | | | | |
|--|---------------------------------|--------------|--------------|--------------|--------------|--------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| KARNES COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| EL OSO WSC | 7 | 7 | 7 | 7 | 7 | 7 |
| COUNTY-OTHER | 14 | 14 | 14 | 14 | 13 | 13 |
| MINING | 152 | 115 | 77 | 40 | 2 | 0 |
| LIVESTOCK | 41 | 41 | 41 | 41 | 41 | 41 |
| IRRIGATION | 27 | 25 | 22 | 20 | 18 | 17 |
| GUADALUPE BASIN TOTAL DEMAND | 241 | 202 | 161 | 122 | 81 | 78 |
| NUECES BASIN | | | | | | |
| EL OSO WSC | 20 | 20 | 19 | 19 | 18 | 18 |
| COUNTY-OTHER | 11 | 11 | 11 | 11 | 11 | 11 |
| MINING | 253 | 192 | 129 | 66 | 4 | 0 |
| LIVESTOCK | 64 | 64 | 64 | 64 | 64 | 64 |
| IRRIGATION | 42 | 38 | 35 | 31 | 28 | 26 |
| NUECES BASIN TOTAL DEMAND | 390 | 325 | 258 | 191 | 125 | 119 |
| SAN ANTONIO BASIN | | | | | | |
| EL OSO WSC | 563 | 568 | 559 | 553 | 524 | 524 |
| FALLS CITY | 147 | 148 | 146 | 145 | 141 | 141 |
| KARNES CITY | 625 | 628 | 617 | 611 | 580 | 580 |
| KENEDY | 1,421 | 1,446 | 1,435 | 1,432 | 1,362 | 1,362 |
| RUNGE | 231 | 232 | 228 | 227 | 216 | 216 |
| SUNKO WSC | 34 | 35 | 35 | 33 | 31 | 31 |
| COUNTY-OTHER | 591 | 598 | 592 | 588 | 557 | 557 |
| MANUFACTURING | 171 | 175 | 179 | 182 | 192 | 203 |
| MINING | 2,022 | 1,535 | 1,030 | 530 | 28 | 2 |
| LIVESTOCK | 1,039 | 1,039 | 1,039 | 1,039 | 1,039 | 1,039 |
| IRRIGATION | 570 | 516 | 466 | 422 | 381 | 350 |
| SAN ANTONIO BASIN TOTAL DEMAND | 7,414 | 6,920 | 6,326 | 5,762 | 5,051 | 5,005 |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| EL OSO WSC | 5 | 5 | 5 | 5 | 5 | 5 |
| COUNTY-OTHER | 6 | 6 | 6 | 6 | 6 | 6 |
| MINING | 101 | 77 | 52 | 26 | 1 | 0 |
| LIVESTOCK | 24 | 24 | 24 | 24 | 24 | 24 |
| IRRIGATION | 16 | 14 | 13 | 12 | 11 | 10 |
| SAN ANTONIO-NUECES BASIN TOTAL DEMAND | 152 | 126 | 100 | 73 | 47 | 45 |
| KARNES COUNTY TOTAL DEMAND | 8,197 | 7,573 | 6,845 | 6,148 | 5,304 | 5,247 |
| KENDALL COUNTY | | | | | | |
| COLORADO BASIN | | | | | | |
| COUNTY-OTHER | 41 | 48 | 57 | 66 | 75 | 85 |
| LIVESTOCK | 13 | 13 | 13 | 13 | 13 | 13 |
| COLORADO BASIN TOTAL DEMAND | 54 | 61 | 70 | 79 | 88 | 98 |
| GUADALUPE BASIN | | | | | | |
| KENDALL COUNTY WCID #1 | 303 | 341 | 384 | 430 | 481 | 531 |
| COUNTY-OTHER | 1,587 | 1,925 | 2,289 | 2,662 | 3,058 | 3,450 |
| LIVESTOCK | 316 | 316 | 316 | 316 | 316 | 316 |
| IRRIGATION | 305 | 299 | 292 | 287 | 282 | 276 |
| GUADALUPE BASIN TOTAL DEMAND | 2,511 | 2,881 | 3,281 | 3,695 | 4,137 | 4,573 |
| SAN ANTONIO BASIN | | | | | | |
| BOERNE | 3,091 | 3,985 | 4,942 | 5,900 | 6,889 | 7,863 |

WUG DEMAND

| REGION L | WUG DEMAND (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------------|---------------------------------|---------------|---------------|---------------|---------------|---------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| KENDALL COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| FAIR OAKS RANCH | 656 | 898 | 1,125 | 1,290 | 1,531 | 1,768 |
| WATER SERVICES INC | 46 | 54 | 64 | 74 | 85 | 95 |
| COUNTY-OTHER | 1,042 | 1,084 | 1,153 | 1,257 | 1,341 | 1,424 |
| LIVESTOCK | 66 | 66 | 66 | 66 | 66 | 66 |
| IRRIGATION | 70 | 68 | 67 | 65 | 64 | 63 |
| SAN ANTONIO BASIN TOTAL DEMAND | 4,971 | 6,155 | 7,417 | 8,652 | 9,976 | 11,279 |
| KENDALL COUNTY TOTAL DEMAND | 7,536 | 9,097 | 10,768 | 12,426 | 14,201 | 15,950 |
| LA SALLE COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| COTULLA | 1,868 | 2,016 | 2,155 | 2,323 | 1,680 | 1,777 |
| ENCINAL | 213 | 228 | 243 | 263 | 191 | 201 |
| COUNTY-OTHER | 522 | 556 | 590 | 633 | 458 | 484 |
| MINING | 4,617 | 4,772 | 4,263 | 2,819 | 1,380 | 676 |
| LIVESTOCK | 610 | 610 | 610 | 610 | 610 | 610 |
| IRRIGATION | 4,636 | 4,493 | 4,354 | 4,220 | 4,090 | 3,971 |
| NUECES BASIN TOTAL DEMAND | 12,466 | 12,675 | 12,215 | 10,868 | 8,409 | 7,719 |
| LA SALLE COUNTY TOTAL DEMAND | 12,466 | 12,675 | 12,215 | 10,868 | 8,409 | 7,719 |
| MEDINA COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| BENTON CITY WSC | 558 | 653 | 735 | 809 | 878 | 939 |
| DEVINE | 668 | 678 | 687 | 701 | 719 | 736 |
| EAST MEDINA COUNTY SUD | 690 | 758 | 819 | 877 | 936 | 990 |
| HONDO | 2,053 | 2,210 | 2,346 | 2,473 | 2,598 | 2,710 |
| LYTLE | 114 | 138 | 158 | 176 | 194 | 209 |
| NATALIA | 281 | 309 | 333 | 356 | 379 | 400 |
| YANCEY WSC | 130 | 144 | 155 | 166 | 176 | 186 |
| COUNTY-OTHER | 1,232 | 1,258 | 1,327 | 1,386 | 1,441 | 1,484 |
| MANUFACTURING | 41 | 44 | 48 | 51 | 55 | 60 |
| MINING | 1,388 | 1,543 | 1,673 | 1,805 | 1,972 | 2,154 |
| LIVESTOCK | 1,042 | 1,042 | 1,042 | 1,042 | 1,042 | 1,042 |
| IRRIGATION | 49,596 | 47,529 | 45,550 | 43,653 | 41,836 | 40,232 |
| NUECES BASIN TOTAL DEMAND | 57,793 | 56,306 | 54,873 | 53,495 | 52,226 | 51,142 |
| SAN ANTONIO BASIN | | | | | | |
| CASTROVILLE | 794 | 787 | 780 | 778 | 781 | 784 |
| EAST MEDINA COUNTY SUD | 63 | 69 | 74 | 79 | 85 | 90 |
| LACOSTE | 127 | 137 | 145 | 154 | 164 | 173 |
| SAN ANTONIO | 9 | 12 | 16 | 19 | 21 | 24 |
| SAN ANTONIO WATER SYSTEM | 369 | 540 | 681 | 806 | 922 | 1,023 |
| YANCEY WSC | 530 | 583 | 631 | 674 | 717 | 755 |
| COUNTY-OTHER | 25 | 53 | 32 | 23 | 21 | 27 |
| MANUFACTURING | 7 | 8 | 8 | 9 | 10 | 10 |
| MINING | 463 | 514 | 558 | 602 | 657 | 718 |
| LIVESTOCK | 123 | 123 | 123 | 123 | 123 | 123 |
| IRRIGATION | 7,868 | 7,541 | 7,226 | 6,926 | 6,637 | 6,383 |
| SAN ANTONIO BASIN TOTAL DEMAND | 10,378 | 10,367 | 10,274 | 10,193 | 10,138 | 10,110 |
| MEDINA COUNTY TOTAL DEMAND | 68,171 | 66,673 | 65,147 | 63,688 | 62,364 | 61,252 |

WUG DEMAND

| REGION L | WUG DEMAND (ACRE-FEET PER YEAR) | | | | | |
|--|---------------------------------|---------------|---------------|----------------|----------------|----------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| REFUGIO COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| COUNTY-OTHER | 11 | 11 | 10 | 10 | 8 | 8 |
| MINING | 3 | 3 | 3 | 2 | 1 | 1 |
| LIVESTOCK | 32 | 32 | 32 | 32 | 32 | 32 |
| SAN ANTONIO BASIN TOTAL DEMAND | 46 | 46 | 45 | 44 | 41 | 41 |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| REFUGIO | 803 | 808 | 797 | 805 | 578 | 580 |
| WOODSBORO | 361 | 361 | 354 | 360 | 258 | 259 |
| COUNTY-OTHER | 507 | 501 | 488 | 490 | 351 | 352 |
| MINING | 63 | 66 | 48 | 36 | 23 | 14 |
| LIVESTOCK | 604 | 604 | 604 | 604 | 604 | 604 |
| IRRIGATION | 652 | 652 | 652 | 652 | 652 | 652 |
| SAN ANTONIO-NUECES BASIN TOTAL DEMAND | 2,990 | 2,992 | 2,943 | 2,947 | 2,466 | 2,461 |
| REFUGIO COUNTY TOTAL DEMAND | 3,036 | 3,038 | 2,988 | 2,991 | 2,507 | 2,502 |
| UVALDE COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| SABINAL | 445 | 477 | 505 | 536 | 569 | 601 |
| UVALDE | 4,052 | 4,342 | 4,593 | 4,881 | 5,181 | 5,474 |
| COUNTY-OTHER | 1,395 | 1,476 | 1,546 | 1,635 | 1,734 | 1,831 |
| MANUFACTURING | 289 | 300 | 311 | 321 | 342 | 364 |
| MINING | 2,661 | 2,916 | 3,037 | 3,279 | 3,564 | 3,874 |
| LIVESTOCK | 1,031 | 1,031 | 1,031 | 1,031 | 1,031 | 1,031 |
| IRRIGATION | 65,722 | 63,152 | 60,682 | 58,310 | 56,030 | 54,004 |
| NUECES BASIN TOTAL DEMAND | 75,595 | 73,694 | 71,705 | 69,993 | 68,451 | 67,179 |
| UVALDE COUNTY TOTAL DEMAND | 75,595 | 73,694 | 71,705 | 69,993 | 68,451 | 67,179 |
| VICTORIA COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| VICTORIA | 11,532 | 12,109 | 12,555 | 13,007 | 13,432 | 13,797 |
| COUNTY-OTHER | 1,802 | 1,845 | 1,875 | 1,921 | 1,976 | 2,026 |
| MANUFACTURING | 30,977 | 33,815 | 36,640 | 39,165 | 42,005 | 45,051 |
| MINING | 36 | 38 | 28 | 21 | 14 | 9 |
| STEAM ELECTRIC POWER | 5,530 | 30,802 | 38,202 | 54,623 | 71,720 | 71,720 |
| LIVESTOCK | 535 | 535 | 535 | 535 | 535 | 535 |
| IRRIGATION | 2,546 | 2,546 | 2,546 | 2,546 | 2,546 | 2,546 |
| GUADALUPE BASIN TOTAL DEMAND | 52,958 | 81,690 | 92,381 | 111,818 | 132,228 | 135,684 |
| LAVACA BASIN | | | | | | |
| COUNTY-OTHER | 5 | 5 | 5 | 5 | 5 | 5 |
| LIVESTOCK | 5 | 5 | 5 | 5 | 5 | 5 |
| LAVACA BASIN TOTAL DEMAND | 10 | 10 | 10 | 10 | 10 | 10 |
| LAVACA-GUADALUPE BASIN | | | | | | |
| VICTORIA | 5,578 | 5,857 | 6,074 | 6,292 | 6,498 | 6,674 |
| COUNTY-OTHER | 1,234 | 1,264 | 1,287 | 1,318 | 1,357 | 1,392 |
| MINING | 33 | 34 | 26 | 19 | 12 | 8 |
| LIVESTOCK | 576 | 576 | 576 | 576 | 576 | 576 |
| IRRIGATION | 18,669 | 18,669 | 18,669 | 18,669 | 18,669 | 18,669 |
| LAVACA-GUADALUPE BASIN TOTAL DEMAND | 26,090 | 26,400 | 26,632 | 26,874 | 27,112 | 27,319 |

WUG DEMAND

| REGION L | WUG DEMAND (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------------|---------------------------------|----------------|----------------|----------------|----------------|----------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| VICTORIA COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| COUNTY-OTHER | 9 | 9 | 9 | 9 | 10 | 10 |
| MINING | 3 | 3 | 2 | 1 | 1 | 1 |
| LIVESTOCK | 49 | 49 | 49 | 49 | 49 | 49 |
| SAN ANTONIO BASIN TOTAL DEMAND | 61 | 61 | 60 | 59 | 60 | 60 |
| VICTORIA COUNTY TOTAL DEMAND | 79,119 | 108,161 | 119,083 | 138,761 | 159,410 | 163,073 |
| WILSON COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| NIXON | 2 | 2 | 2 | 3 | 3 | 3 |
| SUNKO WSC | 5 | 6 | 7 | 7 | 8 | 8 |
| COUNTY-OTHER | 40 | 49 | 57 | 64 | 71 | 78 |
| MINING | 174 | 139 | 105 | 70 | 36 | 18 |
| LIVESTOCK | 108 | 108 | 108 | 108 | 108 | 108 |
| GUADALUPE BASIN TOTAL DEMAND | 329 | 304 | 279 | 252 | 226 | 215 |
| NUECES BASIN | | | | | | |
| MCCOY WSC | 43 | 51 | 59 | 67 | 75 | 81 |
| COUNTY-OTHER | 50 | 59 | 69 | 78 | 87 | 95 |
| MINING | 174 | 139 | 105 | 70 | 36 | 18 |
| LIVESTOCK | 108 | 108 | 108 | 108 | 108 | 108 |
| IRRIGATION | 4,884 | 4,343 | 3,865 | 3,445 | 3,081 | 2,810 |
| NUECES BASIN TOTAL DEMAND | 5,259 | 4,700 | 4,206 | 3,768 | 3,387 | 3,112 |
| SAN ANTONIO BASIN | | | | | | |
| EAST CENTRAL SUD | 157 | 187 | 215 | 242 | 270 | 295 |
| EL OSO WSC | 39 | 47 | 54 | 61 | 65 | 71 |
| ELMENDORF | 3 | 3 | 4 | 4 | 4 | 5 |
| FLORESVILLE | 1,940 | 2,344 | 2,741 | 3,106 | 3,460 | 3,781 |
| LA VERNIA | 277 | 335 | 391 | 443 | 494 | 539 |
| MCCOY WSC | 4 | 5 | 5 | 6 | 6 | 7 |
| OAK HILLS WSC | 904 | 1,090 | 1,275 | 1,444 | 1,608 | 1,757 |
| POTH | 387 | 462 | 537 | 607 | 676 | 738 |
| S S WSC | 1,986 | 2,384 | 2,782 | 3,147 | 3,503 | 3,827 |
| STOCKDALE | 384 | 462 | 539 | 610 | 679 | 742 |
| SUNKO WSC | 783 | 935 | 1,100 | 1,216 | 1,270 | 1,388 |
| COUNTY-OTHER | 1,403 | 1,685 | 1,967 | 2,225 | 2,477 | 2,705 |
| MANUFACTURING | 10 | 10 | 10 | 10 | 10 | 10 |
| MINING | 1,581 | 1,270 | 955 | 642 | 327 | 168 |
| LIVESTOCK | 1,521 | 1,521 | 1,521 | 1,521 | 1,521 | 1,521 |
| IRRIGATION | 7,298 | 6,488 | 5,775 | 5,147 | 4,604 | 4,199 |
| SAN ANTONIO BASIN TOTAL DEMAND | 18,677 | 19,228 | 19,871 | 20,431 | 20,974 | 21,753 |
| WILSON COUNTY TOTAL DEMAND | 24,265 | 24,232 | 24,356 | 24,451 | 24,587 | 25,080 |
| ZAVALA COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| CRYSTAL CITY | 1,702 | 1,858 | 2,000 | 2,160 | 2,312 | 2,455 |
| ZAVALA COUNTY WCID #1 | 477 | 525 | 567 | 613 | 656 | 697 |
| COUNTY-OTHER | 572 | 618 | 672 | 727 | 778 | 826 |
| MANUFACTURING | 946 | 987 | 1,026 | 1,058 | 1,124 | 1,194 |
| MINING | 2,531 | 2,257 | 1,977 | 1,559 | 932 | 557 |

WUG DEMAND

| REGION L | WUG DEMAND (ACRE-FEET PER YEAR) | | | | | |
|-----------------------------------|--|------------------|------------------|------------------|------------------|------------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| ZAVALA COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| LIVESTOCK | 1,058 | 1,058 | 1,058 | 1,058 | 1,058 | 1,058 |
| IRRIGATION | 44,222 | 42,475 | 40,797 | 39,185 | 37,636 | 36,262 |
| NUECES BASIN TOTAL DEMAND | 51,508 | 49,778 | 48,097 | 46,360 | 44,496 | 43,049 |
| ZAVALA COUNTY TOTAL DEMAND | 51,508 | 49,778 | 48,097 | 46,360 | 44,496 | 43,049 |
| | | | | | | |
| REGION L TOTAL DEMAND | 1,070,354 | 1,156,030 | 1,219,229 | 1,290,567 | 1,366,447 | 1,433,835 |

Region L
TWDB DB17 Water Availability Report

SOURCE AVAILABILITY

| REGION L | | | | | | | | | |
|------------------------|---------------|--------------|-----------------|---|-------------|-------------|-------------|-------------|-------------|
| GROUNDWATER | COUNTY | BASIN | SALINITY | SOURCE AVAILABILITY (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| AUSTIN CHALK AQUIFER | UVALDE | NUECES | FRESH | 2,935 | 2,935 | 2,935 | 2,935 | 2,935 | 2,935 |
| BUDA LIMESTONE AQUIFER | UVALDE | NUECES | FRESH | 758 | 758 | 758 | 758 | 758 | 758 |
| CARRIZO-WILCOX AQUIFER | ATASCOSA | NUECES | FRESH | 68,656 | 70,249 | 71,827 | 73,666 | 75,688 | 75,688 |
| CARRIZO-WILCOX AQUIFER | ATASCOSA | SAN ANTONIO | FRESH | 120 | 120 | 120 | 120 | 120 | 120 |
| CARRIZO-WILCOX AQUIFER | BEXAR | NUECES | FRESH | 14,198 | 14,198 | 14,198 | 14,198 | 14,198 | 14,198 |
| CARRIZO-WILCOX AQUIFER | BEXAR | SAN ANTONIO | FRESH | 12,080 | 12,080 | 12,080 | 12,080 | 11,909 | 11,909 |
| CARRIZO-WILCOX AQUIFER | CALDWELL | COLORADO | FRESH | 593 | 593 | 593 | 593 | 593 | 593 |
| CARRIZO-WILCOX AQUIFER | CALDWELL | GUADALUPE | FRESH | 43,951 | 43,543 | 43,543 | 42,967 | 42,967 | 42,967 |
| CARRIZO-WILCOX AQUIFER | DIMMIT | NUECES | FRESH | 3,253 | 3,253 | 3,253 | 3,253 | 3,253 | 3,253 |
| CARRIZO-WILCOX AQUIFER | DIMMIT | RIO GRANDE | FRESH | 106 | 106 | 106 | 106 | 106 | 106 |
| CARRIZO-WILCOX AQUIFER | FRIO | NUECES | FRESH | 79,089 | 76,734 | 74,439 | 72,222 | 70,030 | 70,030 |
| CARRIZO-WILCOX AQUIFER | GONZALES | GUADALUPE | FRESH | 62,101 | 70,102 | 75,576 | 75,755 | 75,755 | 75,755 |
| CARRIZO-WILCOX AQUIFER | GONZALES | LAVACA | FRESH | 215 | 215 | 215 | 215 | 215 | 215 |
| CARRIZO-WILCOX AQUIFER | GUADALUPE | GUADALUPE | FRESH | 9,460 | 9,910 | 11,648 | 12,168 | 12,668 | 12,668 |
| CARRIZO-WILCOX AQUIFER | GUADALUPE | SAN ANTONIO | FRESH | 1,373 | 1,373 | 1,373 | 1,373 | 1,373 | 1,373 |
| CARRIZO-WILCOX AQUIFER | KARNES | GUADALUPE | FRESH | 195 | 207 | 215 | 220 | 224 | 224 |
| CARRIZO-WILCOX AQUIFER | KARNES | NUECES | FRESH | 92 | 97 | 101 | 103 | 105 | 105 |
| CARRIZO-WILCOX AQUIFER | KARNES | SAN ANTONIO | FRESH | 830 | 878 | 915 | 936 | 951 | 951 |
| CARRIZO-WILCOX AQUIFER | LA SALLE | NUECES | FRESH | 6,454 | 6,454 | 6,454 | 6,454 | 6,454 | 6,454 |
| CARRIZO-WILCOX AQUIFER | MEDINA | NUECES | FRESH | 2,519 | 2,507 | 2,507 | 2,507 | 2,507 | 2,507 |
| CARRIZO-WILCOX AQUIFER | MEDINA | SAN ANTONIO | FRESH | 26 | 26 | 26 | 26 | 26 | 26 |
| CARRIZO-WILCOX AQUIFER | UVALDE | NUECES | FRESH | 1,230 | 828 | 828 | 828 | 828 | 828 |
| CARRIZO-WILCOX AQUIFER | WILSON | GUADALUPE | FRESH | 672 | 731 | 791 | 861 | 938 | 938 |
| CARRIZO-WILCOX AQUIFER | WILSON | NUECES | FRESH | 7,311 | 7,505 | 7,703 | 7,932 | 8,185 | 8,185 |
| CARRIZO-WILCOX AQUIFER | WILSON | SAN ANTONIO | FRESH | 29,003 | 30,481 | 31,992 | 33,738 | 35,671 | 35,671 |
| CARRIZO-WILCOX AQUIFER | ZAVALA | NUECES | FRESH | 35,859 | 35,521 | 35,388 | 35,288 | 34,969 | 34,969 |
| EDWARDS-BFZ AQUIFER | ATASCOSA | NUECES | FRESH | 154 | 154 | 154 | 154 | 154 | 154 |
| EDWARDS-BFZ AQUIFER | ATASCOSA | SAN ANTONIO | FRESH | 72 | 72 | 72 | 72 | 72 | 72 |
| EDWARDS-BFZ AQUIFER | BEXAR | SAN ANTONIO | FRESH | 213,671 | 213,671 | 213,671 | 213,671 | 213,671 | 213,671 |
| EDWARDS-BFZ AQUIFER | CALDWELL | COLORADO | SALINE | 64 | 64 | 64 | 64 | 64 | 64 |

SOURCE AVAILABILITY

| REGION L | | | | | | | | | |
|----------------------------------|---------------|--------------------|-----------------|---|-------------|-------------|-------------|-------------|-------------|
| GROUNDWATER | COUNTY | BASIN | SALINITY | SOURCE AVAILABILITY (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| EDWARDS-BFZ AQUIFER | CALDWELL | GUADALUPE | SALINE | 134 | 134 | 134 | 134 | 134 | 134 |
| EDWARDS-BFZ AQUIFER | COMAL | GUADALUPE | FRESH | 13,271 | 13,271 | 13,271 | 13,271 | 13,271 | 13,271 |
| EDWARDS-BFZ AQUIFER | COMAL | SAN ANTONIO | FRESH | 287 | 287 | 287 | 287 | 287 | 287 |
| EDWARDS-BFZ AQUIFER | FRIO | NUECES | FRESH | 23,213 | 23,213 | 23,213 | 23,213 | 23,213 | 23,213 |
| EDWARDS-BFZ AQUIFER | GUADALUPE | GUADALUPE | FRESH | 208 | 208 | 208 | 208 | 208 | 208 |
| EDWARDS-BFZ AQUIFER | HAYS | GUADALUPE | FRESH | 7,802 | 7,802 | 7,802 | 7,802 | 7,802 | 7,802 |
| EDWARDS-BFZ AQUIFER | HAYS | GUADALUPE | SALINE | 235 | 235 | 235 | 235 | 235 | 235 |
| EDWARDS-BFZ AQUIFER | MEDINA | NUECES | FRESH | 19,373 | 19,373 | 19,373 | 19,373 | 19,373 | 19,373 |
| EDWARDS-BFZ AQUIFER | MEDINA | SAN ANTONIO | FRESH | 6,620 | 6,620 | 6,620 | 6,620 | 6,620 | 6,620 |
| EDWARDS-BFZ AQUIFER | UVALDE | NUECES | FRESH | 31,714 | 31,714 | 31,714 | 31,714 | 31,714 | 31,714 |
| EDWARDS-BFZ AQUIFER | BEXAR | NUECES | FRESH | 188 | 188 | 188 | 188 | 188 | 188 |
| EDWARDS-TRINITY-PLATEAU AQUIFER | KENDALL | COLORADO | FRESH | 46 | 46 | 46 | 46 | 46 | 46 |
| EDWARDS-TRINITY-PLATEAU AQUIFER | KENDALL | GUADALUPE | FRESH | 103 | 103 | 103 | 103 | 103 | 103 |
| EDWARDS-TRINITY-PLATEAU AQUIFER | KENDALL | SAN ANTONIO | FRESH | 169 | 169 | 169 | 169 | 169 | 169 |
| EDWARDS-TRINITY-PLATEAU AQUIFER | UVALDE | NUECES | FRESH | 1,635 | 1,635 | 1,635 | 1,635 | 1,635 | 1,635 |
| GUADALUPE RIVER ALLUVIUM AQUIFER | CALDWELL | GUADALUPE | FRESH | 215 | 215 | 215 | 215 | 215 | 215 |
| GULF COAST AQUIFER | CALHOUN | COLORADO-LAVACA | FRESH | 361 | 361 | 361 | 361 | 361 | 361 |
| GULF COAST AQUIFER | CALHOUN | GUADALUPE | FRESH | 17 | 17 | 17 | 17 | 17 | 17 |
| GULF COAST AQUIFER | CALHOUN | LAVACA | FRESH | 2 | 2 | 2 | 2 | 2 | 2 |
| GULF COAST AQUIFER | CALHOUN | LAVACA-GUADALUPE | FRESH | 2,574 | 2,574 | 2,574 | 2,574 | 2,574 | 2,574 |
| GULF COAST AQUIFER | CALHOUN | SAN ANTONIO-NUECES | FRESH | 41 | 41 | 41 | 41 | 41 | 41 |
| GULF COAST AQUIFER | DEWITT | GUADALUPE | FRESH | 10,548 | 10,548 | 10,548 | 10,548 | 10,548 | 10,548 |
| GULF COAST AQUIFER | DEWITT | LAVACA | FRESH | 2,932 | 2,926 | 2,915 | 2,912 | 2,912 | 2,912 |
| GULF COAST AQUIFER | DEWITT | LAVACA-GUADALUPE | FRESH | 417 | 417 | 417 | 417 | 417 | 417 |
| GULF COAST AQUIFER | DEWITT | SAN ANTONIO | FRESH | 739 | 739 | 739 | 739 | 739 | 739 |
| GULF COAST AQUIFER | GOLIAD | GUADALUPE | FRESH | 4,417 | 4,417 | 4,417 | 4,417 | 4,417 | 4,417 |
| GULF COAST AQUIFER | GOLIAD | SAN ANTONIO | FRESH | 6,121 | 6,121 | 6,121 | 6,121 | 6,121 | 6,121 |
| GULF COAST AQUIFER | GOLIAD | SAN ANTONIO-NUECES | FRESH | 1,161 | 1,161 | 1,161 | 1,161 | 1,161 | 1,161 |
| GULF COAST AQUIFER | GONZALES | GUADALUPE | FRESH | 1,901 | 1,901 | 1,901 | 1,901 | 1,901 | 1,901 |
| GULF COAST AQUIFER | GONZALES | LAVACA | FRESH | 182 | 182 | 182 | 182 | 182 | 182 |
| GULF COAST AQUIFER | KARNES | GUADALUPE | FRESH | 12 | 12 | 12 | 12 | 12 | 12 |
| GULF COAST AQUIFER | KARNES | NUECES | FRESH | 78 | 78 | 78 | 78 | 78 | 78 |
| GULF COAST AQUIFER | KARNES | SAN ANTONIO | FRESH | 3,061 | 3,056 | 3,052 | 3,048 | 2,944 | 2,944 |
| GULF COAST AQUIFER | KARNES | SAN ANTONIO-NUECES | FRESH | 84 | 84 | 84 | 84 | 82 | 82 |
| GULF COAST AQUIFER | REFUGIO | SAN ANTONIO | FRESH | 1,522 | 1,522 | 1,522 | 1,522 | 1,522 | 1,522 |
| GULF COAST AQUIFER | REFUGIO | SAN ANTONIO-NUECES | FRESH | 27,806 | 27,806 | 27,806 | 27,806 | 27,806 | 27,806 |
| GULF COAST AQUIFER | VICTORIA | GUADALUPE | FRESH | 14,617 | 14,617 | 14,617 | 14,617 | 14,617 | 14,617 |

SOURCE AVAILABILITY

| REGION L | | | | | | | | | |
|----------------------|---------------|------------------|-----------------|---|-------------|-------------|-------------|-------------|-------------|
| GROUNDWATER | COUNTY | BASIN | SALINITY | SOURCE AVAILABILITY (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| GULF COAST AQUIFER | VICTORIA | LAVACA | FRESH | 217 | 217 | 217 | 217 | 217 | 217 |
| GULF COAST AQUIFER | VICTORIA | LAVACA-GUADALUPE | FRESH | 19,924 | 19,924 | 19,924 | 19,924 | 19,924 | 19,924 |
| GULF COAST AQUIFER | VICTORIA | SAN ANTONIO | FRESH | 936 | 936 | 936 | 936 | 936 | 936 |
| LEONA GRAVEL AQUIFER | MEDINA | NUECES | FRESH | 17,955 | 17,955 | 17,955 | 17,955 | 17,955 | 17,955 |
| LEONA GRAVEL AQUIFER | MEDINA | SAN ANTONIO | FRESH | 4,062 | 4,062 | 4,062 | 4,062 | 4,062 | 4,062 |
| LEONA GRAVEL AQUIFER | UVALDE | NUECES | FRESH | 9,385 | 9,385 | 9,385 | 9,385 | 9,385 | 9,385 |
| QUEEN CITY AQUIFER | ATASCOSA | NUECES | FRESH | 4,546 | 4,513 | 4,405 | 4,300 | 4,202 | 4,202 |
| QUEEN CITY AQUIFER | CALDWELL | GUADALUPE | FRESH | 306 | 306 | 306 | 306 | 306 | 306 |
| QUEEN CITY AQUIFER | DIMMIT | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| QUEEN CITY AQUIFER | DIMMIT | RIO GRANDE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| QUEEN CITY AQUIFER | FRIO | NUECES | FRESH | 4,582 | 4,422 | 4,270 | 4,124 | 3,983 | 3,983 |
| QUEEN CITY AQUIFER | GONZALES | GUADALUPE | FRESH | 5,030 | 5,030 | 5,030 | 5,030 | 5,030 | 5,030 |
| QUEEN CITY AQUIFER | GONZALES | LAVACA | FRESH | 35 | 35 | 35 | 35 | 35 | 35 |
| QUEEN CITY AQUIFER | GUADALUPE | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| QUEEN CITY AQUIFER | KARNES | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| QUEEN CITY AQUIFER | KARNES | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| QUEEN CITY AQUIFER | KARNES | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| QUEEN CITY AQUIFER | LA SALLE | NUECES | FRESH | 1 | 1 | 1 | 1 | 1 | 1 |
| QUEEN CITY AQUIFER | WILSON | GUADALUPE | FRESH | 114 | 101 | 90 | 80 | 72 | 72 |
| QUEEN CITY AQUIFER | WILSON | NUECES | FRESH | 132 | 117 | 104 | 93 | 83 | 83 |
| QUEEN CITY AQUIFER | WILSON | SAN ANTONIO | FRESH | 1,094 | 973 | 866 | 772 | 690 | 690 |
| QUEEN CITY AQUIFER | ZAVALA | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SPARTA AQUIFER | ATASCOSA | NUECES | FRESH | 1,130 | 1,082 | 1,042 | 1,013 | 994 | 994 |
| SPARTA AQUIFER | DIMMIT | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SPARTA AQUIFER | FRIO | NUECES | FRESH | 698 | 674 | 650 | 624 | 601 | 601 |
| SPARTA AQUIFER | GONZALES | GUADALUPE | FRESH | 3,529 | 3,529 | 3,529 | 3,529 | 3,529 | 3,529 |
| SPARTA AQUIFER | GONZALES | LAVACA | FRESH | 23 | 23 | 23 | 23 | 23 | 23 |
| SPARTA AQUIFER | KARNES | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SPARTA AQUIFER | KARNES | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SPARTA AQUIFER | KARNES | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SPARTA AQUIFER | LA SALLE | NUECES | FRESH | 987 | 987 | 987 | 987 | 987 | 987 |
| SPARTA AQUIFER | WILSON | GUADALUPE | FRESH | 20 | 18 | 16 | 14 | 13 | 13 |
| SPARTA AQUIFER | WILSON | NUECES | FRESH | 49 | 44 | 39 | 34 | 31 | 31 |
| SPARTA AQUIFER | WILSON | SAN ANTONIO | FRESH | 154 | 137 | 121 | 108 | 97 | 97 |
| SPARTA AQUIFER | ZAVALA | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| TRINITY AQUIFER | BEXAR | NUECES | FRESH | 223 | 223 | 223 | 223 | 223 | 223 |
| TRINITY AQUIFER | BEXAR | SAN ANTONIO | FRESH | 44,854 | 44,854 | 44,854 | 44,854 | 44,854 | 44,854 |
| TRINITY AQUIFER | CALDWELL | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| TRINITY AQUIFER | COMAL | GUADALUPE | FRESH | 34,082 | 34,082 | 34,082 | 34,082 | 34,082 | 34,082 |
| TRINITY AQUIFER | COMAL | SAN ANTONIO | FRESH | 5,416 | 5,416 | 5,416 | 5,416 | 5,416 | 5,416 |

SOURCE AVAILABILITY

| REGION L | | | | | | | | | |
|--|---------------|--------------|-----------------|---|----------------|----------------|----------------|----------------|----------------|
| GROUNDWATER | COUNTY | BASIN | SALINITY | SOURCE AVAILABILITY (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| TRINITY AQUIFER | GUADALUPE | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| TRINITY AQUIFER | GUADALUPE | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| TRINITY AQUIFER | HAYS | GUADALUPE | FRESH | 7,270 | 7,270 | 7,270 | 7,270 | 7,270 | 7,270 |
| TRINITY AQUIFER | KENDALL | COLORADO | FRESH | 135 | 135 | 135 | 135 | 135 | 135 |
| TRINITY AQUIFER | KENDALL | GUADALUPE | FRESH | 6,028 | 6,028 | 6,028 | 6,028 | 6,028 | 6,028 |
| TRINITY AQUIFER | KENDALL | SAN ANTONIO | FRESH | 4,976 | 4,976 | 4,976 | 4,976 | 4,976 | 4,976 |
| TRINITY AQUIFER | MEDINA | NUECES | FRESH | 5,948 | 5,948 | 5,948 | 5,948 | 5,948 | 5,948 |
| TRINITY AQUIFER | MEDINA | SAN ANTONIO | FRESH | 1,921 | 1,921 | 1,921 | 1,921 | 1,921 | 1,921 |
| TRINITY AQUIFER | UVALDE | NUECES | FRESH | 639 | 639 | 639 | 639 | 639 | 639 |
| YEGUA-JACKSON AQUIFER | ATASCOSA | NUECES | FRESH | 855 | 855 | 855 | 855 | 855 | 855 |
| YEGUA-JACKSON AQUIFER | FRIO | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| YEGUA-JACKSON AQUIFER | GONZALES | GUADALUPE | FRESH | 980 | 980 | 980 | 980 | 980 | 980 |
| YEGUA-JACKSON AQUIFER | GONZALES | LAVACA | FRESH | 3 | 3 | 3 | 3 | 3 | 3 |
| YEGUA-JACKSON AQUIFER | KARNES | GUADALUPE | FRESH | 112 | 112 | 112 | 112 | 112 | 112 |
| YEGUA-JACKSON AQUIFER | KARNES | NUECES | FRESH | 34 | 34 | 34 | 34 | 34 | 34 |
| YEGUA-JACKSON AQUIFER | KARNES | SAN ANTONIO | FRESH | 628 | 628 | 628 | 628 | 628 | 628 |
| YEGUA-JACKSON AQUIFER | LA SALLE | NUECES | FRESH | 91 | 91 | 91 | 91 | 91 | 91 |
| YEGUA-JACKSON AQUIFER | WILSON | GUADALUPE | FRESH | 48 | 48 | 48 | 48 | 48 | 48 |
| YEGUA-JACKSON AQUIFER | WILSON | NUECES | FRESH | 184 | 184 | 184 | 184 | 184 | 184 |
| YEGUA-JACKSON AQUIFER | WILSON | SAN ANTONIO | FRESH | 606 | 606 | 606 | 606 | 606 | 606 |
| GROUNDWATER TOTAL SOURCE AVAILABILITY | | | | 970,788 | 978,664 | 986,351 | 987,621 | 989,243 | 989,243 |
| REGION L | | | | | | | | | |
| REUSE | COUNTY | BASIN | SALINITY | SOURCE AVAILABILITY (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| DIRECT REUSE | BEXAR | SAN ANTONIO | FRESH | 11,412 | 11,412 | 11,412 | 11,412 | 11,412 | 11,412 |
| DIRECT REUSE | COMAL | GUADALUPE | FRESH | 107 | 107 | 107 | 107 | 107 | 107 |
| DIRECT REUSE | GUADALUPE | GUADALUPE | FRESH | 1,413 | 1,413 | 1,413 | 1,413 | 1,413 | 1,413 |
| DIRECT REUSE | HAYS | GUADALUPE | FRESH | 4,119 | 4,119 | 4,119 | 4,119 | 4,119 | 4,119 |
| DIRECT REUSE | KARNES | SAN ANTONIO | FRESH | 30 | 30 | 30 | 30 | 30 | 30 |
| DIRECT REUSE | KENDALL | GUADALUPE | FRESH | 264 | 264 | 264 | 264 | 264 | 264 |
| DIRECT REUSE | KENDALL | SAN ANTONIO | FRESH | 7 | 7 | 7 | 7 | 7 | 7 |
| REUSE TOTAL SOURCE AVAILABILITY | | | | 17,352 | 17,352 | 17,352 | 17,352 | 17,352 | 17,352 |
| REGION L | | | | | | | | | |
| SURFACE WATER | COUNTY | BASIN | SALINITY | SOURCE AVAILABILITY (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| BOERNE LAKE/RESERVOIR | RESERVOIR | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |

SOURCE AVAILABILITY

| REGION L | | | | | | | | | |
|--|---------------|-----------------|-----------------|---|-------------|-------------|-------------|-------------|-------------|
| SURFACE WATER | COUNTY | BASIN | SALINITY | SOURCE AVAILABILITY (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| CALAVERAS LAKE/RESERVOIR | RESERVOIR | SAN ANTONIO | FRESH | 36,900 | 36,900 | 36,900 | 36,900 | 36,900 | 36,900 |
| CANYON LAKE/RESERVOIR | RESERVOIR | GUADALUPE | FRESH | 89,100 | 88,960 | 88,820 | 88,680 | 88,540 | 88,400 |
| COLETO CREEK LAKE/RESERVOIR | RESERVOIR | GUADALUPE | FRESH | 24,160 | 24,160 | 24,160 | 24,160 | 24,160 | 24,160 |
| COLORADO LIVESTOCK LOCAL SUPPLY | CALDWELL | COLORADO | FRESH | 30 | 30 | 30 | 30 | 30 | 30 |
| COLORADO LIVESTOCK LOCAL SUPPLY | KENDALL | COLORADO | FRESH | 6 | 6 | 6 | 6 | 6 | 6 |
| COLORADO-LAVACA LIVESTOCK LOCAL SUPPLY | CALHOUN | COLORADO-LAVACA | FRESH | 64 | 64 | 64 | 64 | 64 | 64 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | CALDWELL | GUADALUPE | FRESH | 471 | 471 | 471 | 471 | 471 | 471 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | COMAL | GUADALUPE | FRESH | 120 | 120 | 120 | 120 | 120 | 120 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | DEWITT | GUADALUPE | FRESH | 631 | 631 | 631 | 631 | 631 | 631 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | GOLIAD | GUADALUPE | FRESH | 140 | 140 | 140 | 140 | 140 | 140 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | GONZALES | GUADALUPE | FRESH | 2,315 | 2,315 | 2,315 | 2,315 | 2,315 | 2,315 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | GUADALUPE | GUADALUPE | FRESH | 523 | 523 | 523 | 523 | 523 | 523 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | HAYS | GUADALUPE | FRESH | 204 | 204 | 204 | 204 | 204 | 204 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | KARNES | GUADALUPE | FRESH | 20 | 20 | 20 | 20 | 20 | 20 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | KENDALL | GUADALUPE | FRESH | 159 | 159 | 159 | 159 | 159 | 159 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | VICTORIA | GUADALUPE | FRESH | 339 | 339 | 339 | 339 | 339 | 339 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | WILSON | GUADALUPE | FRESH | 54 | 54 | 54 | 54 | 54 | 54 |
| GUADALUPE RUN-OF-RIVER | CALDWELL | GUADALUPE | FRESH | 1,296 | 1,296 | 1,296 | 1,296 | 1,296 | 1,296 |
| GUADALUPE RUN-OF-RIVER | CALHOUN | GUADALUPE | FRESH | 85,315 | 85,315 | 85,315 | 85,315 | 85,315 | 85,315 |
| GUADALUPE RUN-OF-RIVER | COMAL | GUADALUPE | FRESH | 1,385 | 1,385 | 1,385 | 1,385 | 1,385 | 1,385 |
| GUADALUPE RUN-OF-RIVER | GONZALES | GUADALUPE | FRESH | 4,040 | 4,040 | 4,040 | 4,040 | 4,040 | 4,040 |
| GUADALUPE RUN-OF-RIVER | GUADALUPE | GUADALUPE | FRESH | 8,247 | 8,247 | 8,247 | 8,247 | 8,247 | 8,247 |
| GUADALUPE RUN-OF-RIVER | HAYS | GUADALUPE | FRESH | 130 | 130 | 130 | 130 | 130 | 130 |
| GUADALUPE RUN-OF-RIVER | KENDALL | GUADALUPE | FRESH | 26 | 26 | 26 | 26 | 26 | 26 |
| GUADALUPE RUN-OF-RIVER | VICTORIA | GUADALUPE | FRESH | 27,390 | 27,390 | 27,390 | 27,390 | 27,390 | 27,390 |
| LAVACA LIVESTOCK LOCAL SUPPLY | DEWITT | LAVACA | FRESH | 282 | 282 | 282 | 282 | 282 | 282 |
| LAVACA LIVESTOCK LOCAL SUPPLY | GONZALES | LAVACA | FRESH | 53 | 53 | 53 | 53 | 53 | 53 |
| LAVACA LIVESTOCK LOCAL SUPPLY | VICTORIA | LAVACA | FRESH | 2 | 2 | 2 | 2 | 2 | 2 |

SOURCE AVAILABILITY

| REGION L | | | | | | | | | |
|---|---------------|------------------|-----------------|---|-------------|-------------|-------------|-------------|-------------|
| SURFACE WATER | COUNTY | BASIN | SALINITY | SOURCE AVAILABILITY (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | CALHOUN | LAVACA-GUADALUPE | FRESH | 92 | 92 | 92 | 92 | 92 | 92 |
| LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | DEWITT | LAVACA-GUADALUPE | FRESH | 9 | 9 | 9 | 9 | 9 | 9 |
| LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | VICTORIA | LAVACA-GUADALUPE | FRESH | 218 | 218 | 218 | 218 | 218 | 218 |
| NUECES LIVESTOCK LOCAL SUPPLY | ATASCOSA | NUECES | FRESH | 754 | 754 | 754 | 754 | 754 | 754 |
| NUECES LIVESTOCK LOCAL SUPPLY | BEXAR | NUECES | FRESH | 177 | 177 | 177 | 177 | 177 | 177 |
| NUECES LIVESTOCK LOCAL SUPPLY | DIMMIT | NUECES | FRESH | 220 | 220 | 220 | 220 | 220 | 220 |
| NUECES LIVESTOCK LOCAL SUPPLY | FRIO | NUECES | FRESH | 497 | 497 | 497 | 497 | 497 | 497 |
| NUECES LIVESTOCK LOCAL SUPPLY | LA SALLE | NUECES | FRESH | 305 | 305 | 305 | 305 | 305 | 305 |
| NUECES LIVESTOCK LOCAL SUPPLY | MEDINA | NUECES | FRESH | 519 | 519 | 519 | 519 | 519 | 519 |
| NUECES LIVESTOCK LOCAL SUPPLY | UVALDE | NUECES | FRESH | 516 | 516 | 516 | 516 | 516 | 516 |
| NUECES LIVESTOCK LOCAL SUPPLY | WILSON | NUECES | FRESH | 54 | 54 | 55 | 55 | 56 | 56 |
| NUECES LIVESTOCK LOCAL SUPPLY | ZAVALA | NUECES | FRESH | 594 | 594 | 594 | 594 | 594 | 594 |
| NUECES RUN-OF-RIVER | DIMMIT | NUECES | FRESH | 2,262 | 2,262 | 2,262 | 2,262 | 2,262 | 2,262 |
| NUECES RUN-OF-RIVER | LA SALLE | NUECES | FRESH | 705 | 705 | 705 | 705 | 705 | 705 |
| NUECES RUN-OF-RIVER | UVALDE | NUECES | FRESH | 720 | 720 | 720 | 720 | 720 | 720 |
| RIO GRANDE LIVESTOCK LOCAL SUPPLY | DIMMIT | RIO GRANDE | FRESH | 24 | 24 | 24 | 24 | 24 | 24 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | BEXAR | SAN ANTONIO | FRESH | 402 | 402 | 402 | 402 | 402 | 402 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | COMAL | SAN ANTONIO | FRESH | 9 | 9 | 9 | 9 | 9 | 9 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | DEWITT | SAN ANTONIO | FRESH | 75 | 75 | 75 | 75 | 75 | 75 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | GOLIAD | SAN ANTONIO | FRESH | 215 | 215 | 215 | 215 | 215 | 215 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | KARNES | SAN ANTONIO | FRESH | 547 | 548 | 548 | 549 | 558 | 558 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | KENDALL | SAN ANTONIO | FRESH | 33 | 33 | 33 | 33 | 33 | 33 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | MEDINA | SAN ANTONIO | FRESH | 63 | 63 | 63 | 63 | 63 | 63 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | REFUGIO | SAN ANTONIO | FRESH | 16 | 16 | 16 | 16 | 16 | 16 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | VICTORIA | SAN ANTONIO | FRESH | 24 | 24 | 24 | 24 | 24 | 24 |

SOURCE AVAILABILITY

| REGION L | | | | | | | | | |
|--|---------------|--------------------|-----------------|---|------------------|------------------|------------------|------------------|------------------|
| SURFACE WATER | COUNTY | BASIN | SALINITY | SOURCE AVAILABILITY (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | WILSON | SAN ANTONIO | FRESH | 759 | 759 | 759 | 759 | 759 | 759 |
| SAN ANTONIO RUN-OF-RIVER | BEXAR | SAN ANTONIO | FRESH | 7,311 | 7,311 | 7,311 | 7,311 | 7,311 | 7,311 |
| SAN ANTONIO RUN-OF-RIVER | GOLIAD | SAN ANTONIO | FRESH | 2,524 | 2,524 | 2,524 | 2,524 | 2,524 | 2,524 |
| SAN ANTONIO RUN-OF-RIVER | KARNES | SAN ANTONIO | FRESH | 725 | 725 | 725 | 725 | 725 | 725 |
| SAN ANTONIO RUN-OF-RIVER | WILSON | SAN ANTONIO | FRESH | 1,770 | 1,770 | 1,770 | 1,770 | 1,770 | 1,770 |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY | CALHOUN | SAN ANTONIO-NUECES | FRESH | 16 | 16 | 16 | 16 | 16 | 16 |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY | GOLIAD | SAN ANTONIO-NUECES | FRESH | 209 | 209 | 209 | 209 | 209 | 209 |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY | KARNES | SAN ANTONIO-NUECES | FRESH | 10 | 10 | 10 | 10 | 10 | 10 |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY | REFUGIO | SAN ANTONIO-NUECES | FRESH | 302 | 302 | 302 | 302 | 302 | 302 |
| VICTOR BRAUNIG LAKE/RESERVOIR | RESERVOIR | SAN ANTONIO | FRESH | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 |
| SURFACE WATER TOTAL SOURCE AVAILABILITY | | | | 318,078 | 317,939 | 317,800 | 317,661 | 317,531 | 317,391 |
| | | | | | | | | | |
| REGION L TOTAL SOURCE AVAILABILITY | | | | 1,306,218 | 1,313,955 | 1,321,503 | 1,322,634 | 1,324,126 | 1,323,986 |

Region L

TWDB DB17 Existing Water Supplies Report

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|------------------------------------|--|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| ATASCOSA COUNTY | | | | | | | |
| NUECES BASIN | | | | | | | |
| BENTON CITY WSC | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 1,415 | 1,399 | 1,393 | 1,392 | 1,395 | 1,400 |
| CHARLOTTE | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 690 | 690 | 690 | 690 | 690 | 690 |
| JOURDANTON | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 2,094 | 2,094 | 2,094 | 2,094 | 2,094 | 2,094 |
| LYTLE | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 318 | 312 | 309 | 308 | 308 | 307 |
| MCCOY WSC | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 1,472 | 1,473 | 1,472 | 1,473 | 1,473 | 1,473 |
| MCCOY WSC | N CARRIZO-WILCOX AQUIFER LIVE OAK COUNTY | 56 | 56 | 56 | 56 | 56 | 56 |
| PLEASANTON | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 3,777 | 3,777 | 3,777 | 3,777 | 3,777 | 3,777 |
| POTEET | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 1,418 | 1,418 | 1,418 | 1,418 | 1,418 | 1,418 |
| SAN ANTONIO WATER SYSTEM | L CANYON LAKE/RESERVOIR | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 60 | 58 | 58 | 58 | 60 | 58 |
| SAN ANTONIO WATER SYSTEM | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L DIRECT REUSE | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 347 | 349 | 350 | 351 | 351 | 352 |
| SAN ANTONIO WATER SYSTEM | L GUADALUPE RUN-OF-RIVER | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L SAN ANTONIO RUN-OF-RIVER | 125 | 125 | 126 | 125 | 125 | 125 |
| SAN ANTONIO WATER SYSTEM | L TRINITY AQUIFER BEXAR COUNTY | 121 | 122 | 122 | 122 | 123 | 122 |
| SAN ANTONIO WATER SYSTEM | L TRINITY AQUIFER COMAL COUNTY | 7 | 7 | 7 | 7 | 7 | 7 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 616 | 616 | 616 | 616 | 616 | 616 |
| COUNTY-OTHER | L QUEEN CITY AQUIFER ATASCOSA COUNTY | 700 | 700 | 700 | 700 | 700 | 700 |
| MANUFACTURING | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 12 | 12 | 12 | 12 | 12 | 12 |
| MINING | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 4,081 | 4,043 | 3,935 | 3,212 | 2,478 | 2,043 |
| STEAM ELECTRIC POWER | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 8,655 | 8,655 | 8,655 | 8,655 | 8,655 | 8,655 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 382 | 382 | 382 | 382 | 382 | 382 |
| LIVESTOCK | L NUECES LIVESTOCK LOCAL SUPPLY | 754 | 754 | 754 | 754 | 754 | 754 |
| LIVESTOCK | L QUEEN CITY AQUIFER ATASCOSA COUNTY | 239 | 239 | 239 | 239 | 239 | 239 |
| LIVESTOCK | L YEGUA-JACKSON AQUIFER ATASCOSA COUNTY | 134 | 134 | 134 | 134 | 134 | 134 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 22,806 | 21,972 | 21,163 | 20,375 | 19,605 | 18,887 |
| IRRIGATION | L EDWARDS-BFZ AQUIFER ATASCOSA COUNTY | 154 | 154 | 154 | 154 | 154 | 154 |
| IRRIGATION | L QUEEN CITY AQUIFER ATASCOSA COUNTY | 1,924 | 1,924 | 1,924 | 1,924 | 1,924 | 1,924 |
| IRRIGATION | L SPARTA AQUIFER ATASCOSA COUNTY | 1,130 | 1,082 | 1,042 | 1,013 | 994 | 994 |
| IRRIGATION | L YEGUA-JACKSON AQUIFER ATASCOSA COUNTY | 314 | 314 | 314 | 314 | 314 | 314 |
| NUECES BASIN TOTAL EXISTING SUPPLY | | 53,801 | 52,861 | 51,896 | 50,355 | 48,838 | 47,687 |

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---|---|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| ATASCOSA COUNTY | | | | | | | |
| SAN ANTONIO BASIN | | | | | | | |
| BENTON CITY WSC | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 175 | 173 | 172 | 173 | 173 | 173 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 117 | 117 | 117 | 117 | 117 | 117 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 109 | 109 | 109 | 109 | 109 | 109 |
| IRRIGATION | L EDWARDS-BFZ AQUIFER ATASCOSA COUNTY | 72 | 72 | 72 | 72 | 72 | 72 |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY | | 473 | 471 | 470 | 471 | 471 | 471 |
| ATASCOSA COUNTY TOTAL EXISTING SUPPLY | | 54,274 | 53,332 | 52,366 | 50,826 | 49,309 | 48,158 |
| BEXAR COUNTY | | | | | | | |
| NUECES BASIN | | | | | | | |
| ATASCOSA RURAL WSC | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 24 | 24 | 24 | 24 | 24 | 24 |
| LYTLE | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 8 | 9 | 10 | 10 | 10 | 11 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 314 | 314 | 314 | 314 | 314 | 314 |
| LIVESTOCK | L NUECES LIVESTOCK LOCAL SUPPLY | 177 | 177 | 177 | 177 | 177 | 177 |
| LIVESTOCK | L TRINITY AQUIFER BEXAR COUNTY | 1 | 1 | 1 | 1 | 1 | 1 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 50 | 50 | 50 | 50 | 50 | 50 |
| IRRIGATION | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 188 | 188 | 188 | 188 | 188 | 188 |
| NUECES BASIN TOTAL EXISTING SUPPLY | | 762 | 763 | 764 | 764 | 764 | 765 |
| SAN ANTONIO BASIN | | | | | | | |
| ALAMO HEIGHTS | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 1,420 | 1,420 | 1,420 | 1,420 | 1,420 | 1,420 |
| ATASCOSA RURAL WSC | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 405 | 405 | 405 | 405 | 405 | 405 |
| BALCONES HEIGHTS | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 518 | 566 | 612 | 662 | 711 | 758 |
| CASTLE HILLS | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 395 | 375 | 359 | 351 | 350 | 349 |
| CHINA GROVE | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 316 | 350 | 381 | 413 | 445 | 474 |
| CONVERSE | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 200 | 200 | 200 | 200 | 200 | 200 |
| CONVERSE | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 300 | 300 | 300 | 300 | 300 | 300 |
| CONVERSE | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 1,133 | 1,133 | 1,133 | 1,133 | 1,133 | 1,133 |
| EAST CENTRAL SUD | L CANYON LAKE/RESERVOIR | 691 | 648 | 609 | 571 | 534 | 501 |
| EAST CENTRAL SUD | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 645 | 630 | 618 | 606 | 596 | 587 |
| EAST CENTRAL SUD | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 2,953 | 2,903 | 2,862 | 2,831 | 2,799 | 2,774 |
| ELMENDORF | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 308 | 394 | 474 | 552 | 625 | 691 |
| FAIR OAKS RANCH | L CANYON LAKE/RESERVOIR | 1,170 | 1,064 | 979 | 912 | 857 | 811 |
| FAIR OAKS RANCH | L DIRECT REUSE | 354 | 322 | 296 | 276 | 259 | 245 |
| FAIR OAKS RANCH | L TRINITY AQUIFER COMAL COUNTY | 866 | 788 | 725 | 676 | 634 | 601 |
| GREEN VALLEY SUD | L CANYON LAKE/RESERVOIR | 9 | 8 | 8 | 8 | 8 | 7 |
| GREEN VALLEY SUD | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 40 | 39 | 37 | 35 | 34 | 32 |
| GREEN VALLEY SUD | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 39 | 36 | 34 | 34 | 32 | 31 |

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|--------------------------|---|--------------------------------------|---------|---------|---------|---------|---------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| BEXAR COUNTY | | | | | | | |
| SAN ANTONIO BASIN | | | | | | | |
| GREEN VALLEY SUD | L TRINITY AQUIFER BEXAR COUNTY | 13 | 12 | 12 | 12 | 10 | 10 |
| HELOTES | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 1,622 | 1,998 | 2,349 | 2,690 | 3,005 | 3,295 |
| HILL COUNTRY VILLAGE | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 234 | 230 | 226 | 224 | 224 | 224 |
| HOLLYWOOD PARK | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 949 | 953 | 959 | 969 | 983 | 997 |
| KIRBY | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 805 | 805 | 805 | 805 | 805 | 805 |
| LACKLAND AFB | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |
| LEON VALLEY | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 1,763 | 1,784 | 1,805 | 1,829 | 1,857 | 1,883 |
| LIVE OAK | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 3,189 | 3,192 | 3,180 | 3,173 | 3,172 | 3,172 |
| OLMOS PARK | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 564 | 623 | 678 | 736 | 791 | 843 |
| RANDOLPH AFB | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |
| SAN ANTONIO | L CANYON LAKE/RESERVOIR | 7,919 | 7,919 | 3,919 | 3,919 | 3,919 | 3,919 |
| SAN ANTONIO | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 7,400 | 7,400 | 7,400 | 7,400 | 7,400 | 7,400 |
| SAN ANTONIO | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 15,938 | 18,501 | 18,501 | 18,501 | 18,501 | 18,501 |
| SAN ANTONIO | L DIRECT REUSE | 6,776 | 6,776 | 6,776 | 6,776 | 6,776 | 6,776 |
| SAN ANTONIO | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 134,049 | 133,445 | 132,884 | 132,298 | 131,715 | 131,171 |
| SAN ANTONIO | L GUADALUPE RUN-OF-RIVER | 270 | 270 | 270 | 270 | 270 | 270 |
| SAN ANTONIO | L TRINITY AQUIFER BEXAR COUNTY | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |
| SAN ANTONIO WATER SYSTEM | L CANYON LAKE/RESERVOIR | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 2,310 | 2,272 | 2,240 | 2,216 | 2,194 | 2,178 |
| SAN ANTONIO WATER SYSTEM | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L DIRECT REUSE | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 13,702 | 13,467 | 13,285 | 13,138 | 13,013 | 12,909 |
| SAN ANTONIO WATER SYSTEM | L GUADALUPE RUN-OF-RIVER | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L SAN ANTONIO RUN-OF-RIVER | 4,911 | 4,827 | 4,761 | 4,709 | 4,664 | 4,627 |
| SAN ANTONIO WATER SYSTEM | L TRINITY AQUIFER BEXAR COUNTY | 4,789 | 4,707 | 4,643 | 4,592 | 4,548 | 4,512 |
| SAN ANTONIO WATER SYSTEM | L TRINITY AQUIFER COMAL COUNTY | 277 | 273 | 269 | 266 | 263 | 261 |
| SCHERTZ | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 121 | 113 | 119 | 124 | 132 | 137 |
| SCHERTZ | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 121 | 113 | 119 | 124 | 132 | 137 |
| SCHERTZ | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 33 | 31 | 33 | 33 | 36 | 37 |
| SELMA | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 439 | 336 | 352 | 366 | 378 | 388 |
| SELMA | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 270 | 208 | 216 | 224 | 232 | 238 |
| SELMA | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 427 | 328 | 343 | 357 | 368 | 378 |
| SHAVANO PARK | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 679 | 679 | 679 | 679 | 679 | 679 |
| SOMERSET | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 221 | 240 | 259 | 279 | 300 | 319 |

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---|---|--------------------------------------|---------|---------|---------|---------|---------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| BEXAR COUNTY | | | | | | | |
| SAN ANTONIO BASIN | | | | | | | |
| ST. HEDWIG | L CANYON LAKE/RESERVOIR | 146 | 179 | 210 | 243 | 276 | 307 |
| ST. HEDWIG | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 100 | 100 | 100 | 100 | 100 | 100 |
| ST. HEDWIG | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 100 | 100 | 100 | 100 | 100 | 100 |
| TERRELL HILLS | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 1,299 | 1,276 | 1,257 | 1,247 | 1,245 | 1,245 |
| THE OAKS WSC | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 221 | 221 | 221 | 221 | 221 | 221 |
| THE OAKS WSC | L TRINITY AQUIFER BEXAR COUNTY | 270 | 270 | 270 | 270 | 270 | 270 |
| UNIVERSAL CITY | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 500 | 500 | 500 | 500 | 500 | 500 |
| UNIVERSAL CITY | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 300 | 300 | 300 | 300 | 300 | 300 |
| UNIVERSAL CITY | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 1,979 | 1,979 | 1,979 | 1,979 | 1,979 | 1,979 |
| VON ORMY | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 140 | 140 | 140 | 140 | 140 | 140 |
| VON ORMY | L TRINITY AQUIFER BEXAR COUNTY | 70 | 70 | 70 | 70 | 70 | 70 |
| WATER SERVICES INC | L TRINITY AQUIFER BEXAR COUNTY | 1,062 | 1,052 | 1,041 | 1,032 | 1,023 | 1,015 |
| WINDCREST | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 877 | 877 | 877 | 877 | 877 | 877 |
| COUNTY-OTHER | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 8,804 | 8,804 | 8,804 | 8,804 | 8,804 | 8,804 |
| COUNTY-OTHER | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 100 | 100 | 100 | 100 | 100 | 100 |
| COUNTY-OTHER | L SAN ANTONIO RUN-OF-RIVER | 100 | 100 | 100 | 100 | 100 | 100 |
| COUNTY-OTHER | L TRINITY AQUIFER BEXAR COUNTY | 204 | 204 | 204 | 204 | 204 | 204 |
| MANUFACTURING | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 2,699 | 2,699 | 2,699 | 2,699 | 2,699 | 2,699 |
| MANUFACTURING | L DIRECT REUSE | 4,076 | 4,076 | 4,076 | 4,076 | 4,076 | 4,076 |
| MANUFACTURING | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 18,841 | 18,841 | 18,841 | 18,841 | 18,841 | 18,841 |
| MANUFACTURING | L SAN ANTONIO RUN-OF-RIVER | 11 | 11 | 11 | 11 | 11 | 11 |
| MANUFACTURING | L TRINITY AQUIFER BEXAR COUNTY | 5,776 | 5,776 | 5,776 | 5,776 | 5,776 | 5,776 |
| MINING | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 400 | 400 | 400 | 400 | 400 | 400 |
| MINING | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 4,562 | 4,562 | 4,562 | 4,562 | 4,562 | 4,562 |
| MINING | L TRINITY AQUIFER BEXAR COUNTY | 2,858 | 3,778 | 4,571 | 5,442 | 6,437 | 7,540 |
| STEAM ELECTRIC POWER | L CALAVERAS LAKE/RESERVOIR | 36,900 | 36,900 | 36,900 | 36,900 | 36,900 | 36,900 |
| STEAM ELECTRIC POWER | L VICTOR BRAUNIG LAKE/RESERVOIR | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 14 | 14 | 14 | 14 | 14 | 14 |
| LIVESTOCK | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 511 | 511 | 511 | 511 | 511 | 511 |
| LIVESTOCK | L SAN ANTONIO LIVESTOCK LOCAL SUPPLY | 402 | 402 | 402 | 402 | 402 | 402 |
| LIVESTOCK | L TRINITY AQUIFER BEXAR COUNTY | 53 | 53 | 53 | 53 | 53 | 53 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 542 | 542 | 542 | 542 | 542 | 542 |
| IRRIGATION | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 3,768 | 3,768 | 3,768 | 3,768 | 3,768 | 3,768 |
| IRRIGATION | L SAN ANTONIO RUN-OF-RIVER | 1,887 | 1,887 | 1,887 | 1,887 | 1,887 | 1,887 |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY | | 339,125 | 341,575 | 337,820 | 338,265 | 338,897 | 339,699 |
| BEXAR COUNTY TOTAL EXISTING SUPPLY | | 339,887 | 342,338 | 338,584 | 339,029 | 339,661 | 340,464 |
| CALDWELL COUNTY | | | | | | | |
| COLORADO BASIN | | | | | | | |
| AQUA WSC | K CARRIZO-WILCOX AQUIFER BASTROP COUNTY | 35 | 33 | 31 | 27 | 24 | 20 |

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|--------------------------------------|--|--------------------------------------|-------|-------|-------|-------|-------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| CALDWELL COUNTY | | | | | | | |
| COLORADO BASIN | | | | | | | |
| AQUA WSC | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 19 | 18 | 16 | 14 | 13 | 11 |
| CREEDMOOR-MAHA WSC | K CARRIZO-WILCOX AQUIFER BASTROP COUNTY | 6 | 6 | 6 | 6 | 7 | 7 |
| CREEDMOOR-MAHA WSC | K COLORADO RUN-OF-RIVER | 36 | 37 | 38 | 39 | 39 | 40 |
| CREEDMOOR-MAHA WSC | K EDWARDS-BFZ AQUIFER TRAVIS COUNTY | 35 | 34 | 33 | 31 | 29 | 26 |
| MUSTANG RIDGE | K EDWARDS-BFZ AQUIFER TRAVIS COUNTY | 32 | 43 | 53 | 66 | 78 | 91 |
| MUSTANG RIDGE | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 21 | 22 | 24 | 24 | 25 | 26 |
| MUSTANG RIDGE | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 16 | 17 | 18 | 18 | 19 | 19 |
| POLONIA WSC | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 400 | 398 | 397 | 395 | 394 | 390 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 229 | 229 | 229 | 229 | 229 | 229 |
| COUNTY-OTHER | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 4 | 4 | 4 | 4 | 4 | 4 |
| MINING | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 11 | 9 | 6 | 4 | 2 | 1 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 41 | 41 | 41 | 41 | 41 | 41 |
| LIVESTOCK | L COLORADO LIVESTOCK LOCAL SUPPLY | 30 | 30 | 30 | 30 | 30 | 30 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 19 | 19 | 19 | 19 | 19 | 19 |
| COLORADO BASIN TOTAL EXISTING SUPPLY | | 934 | 940 | 945 | 947 | 953 | 954 |
| GUADALUPE BASIN | | | | | | | |
| AQUA WSC | K CARRIZO-WILCOX AQUIFER BASTROP COUNTY | 196 | 186 | 171 | 153 | 133 | 113 |
| AQUA WSC | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 105 | 99 | 91 | 81 | 71 | 60 |
| COUNTY LINE WSC | L CANYON LAKE/RESERVOIR | 184 | 160 | 133 | 106 | 80 | 55 |
| COUNTY LINE WSC | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 35 | 33 | 31 | 29 | 27 | 25 |
| CREEDMOOR-MAHA WSC | K CARRIZO-WILCOX AQUIFER BASTROP COUNTY | 2 | 2 | 2 | 2 | 2 | 2 |
| CREEDMOOR-MAHA WSC | K COLORADO RUN-OF-RIVER | 9 | 10 | 10 | 10 | 10 | 10 |
| CREEDMOOR-MAHA WSC | K EDWARDS-BFZ AQUIFER TRAVIS COUNTY | 9 | 9 | 8 | 8 | 7 | 7 |
| GOFORTH SUD | K EDWARDS-BFZ AQUIFER TRAVIS COUNTY | 0 | 0 | 0 | 0 | 0 | 0 |
| GOFORTH SUD | L CANYON LAKE/RESERVOIR | 28 | 26 | 24 | 21 | 20 | 18 |
| GOFORTH SUD | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 3 | 3 | 3 | 2 | 2 | 2 |
| GOFORTH SUD | L TRINITY AQUIFER HAYS COUNTY | 84 | 78 | 70 | 63 | 58 | 52 |
| GONZALES COUNTY WSC | L CANYON LAKE/RESERVOIR | 9 | 10 | 11 | 12 | 12 | 12 |
| GONZALES COUNTY WSC | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 53 | 60 | 65 | 69 | 72 | 74 |
| LOCKHART | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 2,063 | 2,063 | 2,063 | 2,063 | 2,063 | 2,063 |
| LULING | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 1,083 | 1,084 | 1,084 | 1,084 | 1,084 | 1,084 |
| MARTINDALE | L CANYON LAKE/RESERVOIR | 90 | 90 | 90 | 90 | 90 | 90 |
| MARTINDALE | L GUADALUPE RUN-OF-RIVER | 100 | 100 | 100 | 100 | 100 | 100 |

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---|--|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| CALDWELL COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| MAXWELL WSC | L CANYON LAKE/RESERVOIR | 359 | 368 | 373 | 375 | 376 | 376 |
| MAXWELL WSC | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 136 | 140 | 142 | 143 | 143 | 143 |
| MAXWELL WSC | L GUADALUPE RUN-OF-RIVER | 543 | 557 | 565 | 568 | 569 | 569 |
| MUSTANG RIDGE | K EDWARDS-BFZ AQUIFER TRAVIS COUNTY | 1 | 1 | 2 | 1 | 2 | 2 |
| MUSTANG RIDGE | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 1 | 1 | 0 | 1 | 1 | 1 |
| MUSTANG RIDGE | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 0 | 0 | 0 | 1 | 0 | 0 |
| NIEDERWALD | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 3 | 3 | 2 | 2 | 2 | 2 |
| POLONIA WSC | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 846 | 846 | 843 | 840 | 834 | 827 |
| SAN MARCOS | L CANYON LAKE/RESERVOIR | 2 | 2 | 2 | 3 | 3 | 3 |
| SAN MARCOS | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 1 | 1 | 1 | 1 | 1 | 1 |
| UHLAND | L CANYON LAKE/RESERVOIR | 79 | 94 | 110 | 126 | 142 | 158 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 1,086 | 1,086 | 1,086 | 1,086 | 1,086 | 1,086 |
| COUNTY-OTHER | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 55 | 55 | 55 | 55 | 55 | 55 |
| COUNTY-OTHER | L GUADALUPE RUN-OF-RIVER | 500 | 500 | 500 | 500 | 500 | 500 |
| COUNTY-OTHER | L QUEEN CITY AQUIFER CALDWELL COUNTY | 141 | 141 | 141 | 141 | 141 | 141 |
| MANUFACTURING | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 13 | 13 | 13 | 13 | 13 | 13 |
| MINING | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 112 | 89 | 66 | 42 | 18 | 8 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 449 | 449 | 449 | 449 | 449 | 449 |
| LIVESTOCK | L GUADALUPE LIVESTOCK LOCAL SUPPLY | 471 | 471 | 471 | 471 | 471 | 471 |
| LIVESTOCK | L QUEEN CITY AQUIFER CALDWELL COUNTY | 17 | 17 | 17 | 17 | 17 | 17 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 556 | 556 | 556 | 556 | 556 | 556 |
| IRRIGATION | L QUEEN CITY AQUIFER CALDWELL COUNTY | 77 | 77 | 77 | 77 | 77 | 77 |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 9,501 | 9,480 | 9,427 | 9,361 | 9,287 | 9,222 |
| CALDWELL COUNTY TOTAL EXISTING SUPPLY | | 10,435 | 10,420 | 10,372 | 10,308 | 10,240 | 10,176 |
| CALHOUN COUNTY | | | | | | | |
| COLORADO-LAVACA BASIN | | | | | | | |
| POINT COMFORT | P TEXANA LAKE/RESERVOIR | 178 | 178 | 178 | 178 | 178 | 178 |
| COUNTY-OTHER | L GULF COAST AQUIFER CALHOUN COUNTY | 170 | 170 | 169 | 170 | 170 | 169 |
| MANUFACTURING | L GUADALUPE RUN-OF-RIVER | 18,946 | 18,946 | 18,946 | 18,946 | 18,946 | 18,946 |
| MANUFACTURING | L GULF COAST AQUIFER CALHOUN COUNTY | 195 | 195 | 195 | 195 | 195 | 195 |
| MANUFACTURING | P TEXANA LAKE/RESERVOIR | 16,857 | 16,857 | 16,857 | 16,857 | 16,858 | 16,857 |
| MINING | L GULF COAST AQUIFER CALHOUN COUNTY | 28 | 27 | 28 | 28 | 28 | 28 |
| LIVESTOCK | L COLORADO-LAVACA LIVESTOCK LOCAL SUPPLY | 64 | 64 | 64 | 64 | 64 | 64 |
| LIVESTOCK | L GULF COAST AQUIFER CALHOUN COUNTY | 2 | 2 | 2 | 2 | 2 | 2 |
| IRRIGATION | L GULF COAST AQUIFER CALHOUN COUNTY | 148 | 148 | 148 | 148 | 148 | 148 |
| COLORADO-LAVACA BASIN TOTAL EXISTING SUPPLY | | 36,588 | 36,587 | 36,587 | 36,588 | 36,589 | 36,587 |
| GUADALUPE BASIN | | | | | | | |
| LIVESTOCK | L GULF COAST AQUIFER CALHOUN COUNTY | 2 | 2 | 2 | 2 | 2 | 2 |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 2 | 2 | 2 | 2 | 2 | 2 |

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|--|--|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| CALHOUN COUNTY | | | | | | | |
| LAVACA-GUADALUPE BASIN | | | | | | | |
| CALHOUN COUNTY WS | L GUADALUPE RUN-OF-RIVER | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 |
| PORT LAVACA | L GUADALUPE RUN-OF-RIVER | 4,480 | 4,480 | 4,480 | 4,480 | 4,480 | 4,480 |
| PORT O'CONNOR MUD | L GUADALUPE RUN-OF-RIVER | 1,120 | 1,120 | 1,120 | 1,120 | 1,120 | 1,120 |
| PORT O'CONNOR MUD | L GULF COAST AQUIFER CALHOUN COUNTY | 200 | 200 | 200 | 200 | 200 | 200 |
| SEADRIFT | L GULF COAST AQUIFER CALHOUN COUNTY | 728 | 728 | 728 | 728 | 728 | 728 |
| COUNTY-OTHER | L GULF COAST AQUIFER CALHOUN COUNTY | 231 | 232 | 232 | 231 | 231 | 233 |
| MANUFACTURING | L GUADALUPE RUN-OF-RIVER | 15,502 | 15,502 | 15,502 | 15,502 | 15,502 | 15,502 |
| MANUFACTURING | P TEXANA LAKE/RESERVOIR | 13,793 | 13,793 | 13,793 | 13,793 | 13,792 | 13,793 |
| MINING | L GULF COAST AQUIFER CALHOUN COUNTY | 27 | 28 | 27 | 27 | 27 | 27 |
| LIVESTOCK | L GULF COAST AQUIFER CALHOUN COUNTY | 168 | 168 | 168 | 168 | 168 | 168 |
| LIVESTOCK | L LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | 92 | 92 | 92 | 92 | 92 | 92 |
| IRRIGATION | L GULF COAST AQUIFER CALHOUN COUNTY | 1,051 | 1,051 | 1,051 | 1,051 | 1,051 | 1,051 |
| LAVACA-GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 38,892 | 38,894 | 38,893 | 38,892 | 38,891 | 38,894 |
| SAN ANTONIO-NUECES BASIN | | | | | | | |
| COUNTY-OTHER | L GULF COAST AQUIFER CALHOUN COUNTY | 24 | 23 | 24 | 24 | 24 | 23 |
| LIVESTOCK | L SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY | 16 | 16 | 16 | 16 | 16 | 16 |
| IRRIGATION | | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO-NUECES BASIN TOTAL EXISTING SUPPLY | | 40 | 39 | 40 | 40 | 40 | 39 |
| CALHOUN COUNTY TOTAL EXISTING SUPPLY | | 75,522 | 75,522 | 75,522 | 75,522 | 75,522 | 75,522 |
| COMAL COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| BULVERDE | L CANYON LAKE/RESERVOIR | 6 | 7 | 7 | 8 | 9 | 10 |
| BULVERDE | L TRINITY AQUIFER COMAL COUNTY | 3 | 3 | 4 | 5 | 5 | 5 |
| CANYON LAKE WATER SERVICE COMPANY | L CANYON LAKE/RESERVOIR | 4,033 | 4,001 | 3,962 | 3,919 | 3,870 | 3,821 |
| CANYON LAKE WATER SERVICE COMPANY | L TRINITY AQUIFER COMAL COUNTY | 3,723 | 3,689 | 3,649 | 3,604 | 3,556 | 3,506 |
| CRYSTAL CLEAR WSC | L CANYON LAKE/RESERVOIR | 153 | 149 | 144 | 140 | 136 | 133 |
| CRYSTAL CLEAR WSC | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 36 | 35 | 33 | 32 | 31 | 30 |
| CRYSTAL CLEAR WSC | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 6 | 6 | 6 | 5 | 5 | 5 |
| CRYSTAL CLEAR WSC | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 120 | 117 | 113 | 111 | 107 | 104 |
| CRYSTAL CLEAR WSC | L GUADALUPE RIVER ALLUVIUM AQUIFER CALDWELL COUNTY | 26 | 24 | 24 | 24 | 23 | 21 |
| GARDEN RIDGE | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 213 | 213 | 213 | 213 | 213 | 213 |
| GARDEN RIDGE | L TRINITY AQUIFER COMAL COUNTY | 196 | 196 | 195 | 195 | 196 | 195 |
| GREEN VALLEY SUD | L CANYON LAKE/RESERVOIR | 1 | 1 | 1 | 1 | 1 | 1 |
| GREEN VALLEY SUD | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 5 | 5 | 5 | 5 | 5 | 5 |
| GREEN VALLEY SUD | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 4 | 5 | 5 | 5 | 5 | 5 |

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|--------------------------|---|--------------------------------------|-------|-------|-------|-------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| COMAL COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| GREEN VALLEY SUD | L TRINITY AQUIFER BEXAR COUNTY | 1 | 2 | 2 | 2 | 2 | 2 |
| NEW BRAUNFELS | L CANYON LAKE/RESERVOIR | 8,072 | 8,124 | 8,158 | 8,188 | 8,207 | 8,218 |
| NEW BRAUNFELS | L DIRECT REUSE | 89 | 89 | 90 | 90 | 90 | 90 |
| NEW BRAUNFELS | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 4,590 | 4,620 | 4,640 | 4,657 | 4,668 | 4,674 |
| NEW BRAUNFELS | L GUADALUPE RUN-OF-RIVER | 563 | 567 | 569 | 571 | 572 | 573 |
| NEW BRAUNFELS | L TRINITY AQUIFER BEXAR COUNTY | 87 | 88 | 88 | 88 | 89 | 89 |
| NEW BRAUNFELS | L TRINITY AQUIFER COMAL COUNTY | 536 | 539 | 541 | 543 | 545 | 545 |
| SAN ANTONIO WATER SYSTEM | L CANYON LAKE/RESERVOIR | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 54 | 70 | 84 | 94 | 104 | 112 |
| SAN ANTONIO WATER SYSTEM | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L DIRECT REUSE | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 321 | 416 | 495 | 562 | 621 | 669 |
| SAN ANTONIO WATER SYSTEM | L GUADALUPE RUN-OF-RIVER | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L SAN ANTONIO RUN-OF-RIVER | 115 | 149 | 178 | 202 | 223 | 240 |
| SAN ANTONIO WATER SYSTEM | L TRINITY AQUIFER BEXAR COUNTY | 112 | 145 | 173 | 197 | 217 | 234 |
| SAN ANTONIO WATER SYSTEM | L TRINITY AQUIFER COMAL COUNTY | 6 | 8 | 10 | 11 | 13 | 14 |
| SCHERTZ | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 125 | 151 | 190 | 227 | 266 | 298 |
| SCHERTZ | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 125 | 151 | 190 | 227 | 266 | 298 |
| SCHERTZ | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 35 | 42 | 53 | 63 | 74 | 83 |
| COUNTY-OTHER | L CANYON LAKE/RESERVOIR | 1,222 | 1,222 | 1,222 | 1,222 | 1,222 | 1,222 |
| COUNTY-OTHER | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 652 | 649 | 646 | 645 | 643 | 643 |
| COUNTY-OTHER | L TRINITY AQUIFER BEXAR COUNTY | 291 | 288 | 285 | 284 | 282 | 282 |
| COUNTY-OTHER | L TRINITY AQUIFER COMAL COUNTY | 2,356 | 2,356 | 2,356 | 2,356 | 2,356 | 2,356 |
| MANUFACTURING | L CANYON LAKE/RESERVOIR | 4 | 4 | 4 | 4 | 4 | 4 |
| MANUFACTURING | L DIRECT REUSE | 784 | 784 | 784 | 784 | 784 | 784 |
| MANUFACTURING | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 2,031 | 2,031 | 2,031 | 2,031 | 2,031 | 2,031 |
| MANUFACTURING | L GUADALUPE RUN-OF-RIVER | 100 | 100 | 100 | 100 | 100 | 100 |
| MANUFACTURING | L TRINITY AQUIFER COMAL COUNTY | 1,227 | 1,227 | 1,227 | 1,227 | 1,227 | 1,227 |
| MINING | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 3,809 | 3,809 | 3,809 | 3,809 | 3,809 | 3,809 |
| MINING | L TRINITY AQUIFER COMAL COUNTY | 4,447 | 5,787 | 7,077 | 8,203 | 9,614 | 11,194 |
| LIVESTOCK | L GUADALUPE LIVESTOCK LOCAL SUPPLY | 120 | 120 | 120 | 120 | 120 | 120 |
| LIVESTOCK | L TRINITY AQUIFER COMAL COUNTY | 120 | 120 | 120 | 120 | 120 | 120 |
| IRRIGATION | L CANYON LAKE/RESERVOIR | 249 | 249 | 249 | 249 | 249 | 249 |
| IRRIGATION | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 171 | 171 | 171 | 171 | 171 | 171 |
| IRRIGATION | L GUADALUPE RUN-OF-RIVER | 207 | 207 | 207 | 207 | 207 | 207 |
| IRRIGATION | L TRINITY AQUIFER COMAL COUNTY | 252 | 252 | 252 | 252 | 252 | 252 |

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------------|---|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| COMAL COUNTY | | | | | | | |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 41,398 | 42,988 | 44,482 | 45,773 | 47,310 | 48,964 |
| SAN ANTONIO BASIN | | | | | | | |
| BULVERDE | L CANYON LAKE/RESERVOIR | 596 | 663 | 734 | 806 | 880 | 951 |
| BULVERDE | L TRINITY AQUIFER COMAL COUNTY | 198 | 266 | 336 | 409 | 483 | 555 |
| CANYON LAKE WATER SERVICE COMPANY | L CANYON LAKE/RESERVOIR | 999 | 990 | 981 | 970 | 958 | 945 |
| CANYON LAKE WATER SERVICE COMPANY | L TRINITY AQUIFER COMAL COUNTY | 922 | 913 | 903 | 892 | 880 | 867 |
| FAIR OAKS RANCH | L CANYON LAKE/RESERVOIR | 95 | 96 | 96 | 98 | 98 | 99 |
| FAIR OAKS RANCH | L DIRECT REUSE | 29 | 29 | 29 | 30 | 30 | 30 |
| FAIR OAKS RANCH | L TRINITY AQUIFER COMAL COUNTY | 70 | 71 | 71 | 72 | 73 | 73 |
| GARDEN RIDGE | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 120 | 120 | 120 | 120 | 120 | 120 |
| GARDEN RIDGE | L TRINITY AQUIFER COMAL COUNTY | 110 | 110 | 111 | 111 | 110 | 111 |
| SAN ANTONIO WATER SYSTEM | L CANYON LAKE/RESERVOIR | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 46 | 60 | 72 | 82 | 90 | 98 |
| SAN ANTONIO WATER SYSTEM | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L DIRECT REUSE | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 275 | 357 | 425 | 482 | 532 | 577 |
| SAN ANTONIO WATER SYSTEM | L GUADALUPE RUN-OF-RIVER | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L SAN ANTONIO RUN-OF-RIVER | 98 | 128 | 152 | 173 | 191 | 207 |
| SAN ANTONIO WATER SYSTEM | L TRINITY AQUIFER BEXAR COUNTY | 96 | 125 | 149 | 168 | 186 | 202 |
| SAN ANTONIO WATER SYSTEM | L TRINITY AQUIFER COMAL COUNTY | 6 | 7 | 9 | 10 | 11 | 12 |
| SCHERTZ | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 3 | 4 | 5 | 6 | 7 | 7 |
| SCHERTZ | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 3 | 4 | 5 | 6 | 7 | 7 |
| SCHERTZ | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 1 | 1 | 1 | 2 | 2 | 2 |
| SELMA | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 2 | 2 | 2 | 2 | 2 | 2 |
| SELMA | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 2 | 0 | 2 | 2 | 2 | 2 |
| SELMA | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 2 | 1 | 2 | 2 | 2 | 2 |
| COUNTY-OTHER | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 150 | 153 | 156 | 157 | 159 | 159 |
| COUNTY-OTHER | L TRINITY AQUIFER BEXAR COUNTY | 15 | 18 | 21 | 22 | 24 | 24 |
| COUNTY-OTHER | L TRINITY AQUIFER COMAL COUNTY | 136 | 136 | 136 | 136 | 136 | 136 |
| MANUFACTURING | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 283 | 283 | 283 | 283 | 283 | 283 |
| MANUFACTURING | L TRINITY AQUIFER COMAL COUNTY | 4 | 4 | 4 | 4 | 4 | 4 |
| MINING | L TRINITY AQUIFER COMAL COUNTY | 344 | 400 | 454 | 501 | 559 | 625 |
| LIVESTOCK | L SAN ANTONIO LIVESTOCK LOCAL SUPPLY | 9 | 9 | 9 | 9 | 9 | 9 |
| LIVESTOCK | L TRINITY AQUIFER COMAL COUNTY | 9 | 9 | 9 | 9 | 9 | 9 |

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|--|--|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| COMAL COUNTY | | | | | | | |
| SAN ANTONIO BASIN | | | | | | | |
| IRRIGATION | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 4 | 4 | 4 | 4 | 4 | 4 |
| IRRIGATION | L TRINITY AQUIFER COMAL COUNTY | 42 | 42 | 42 | 42 | 42 | 42 |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY | | 4,669 | 5,005 | 5,323 | 5,610 | 5,893 | 6,164 |
| COMAL COUNTY TOTAL EXISTING SUPPLY | | 46,067 | 47,993 | 49,805 | 51,383 | 53,203 | 55,128 |
| DEWITT COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| CUERO | L GULF COAST AQUIFER DEWITT COUNTY | 4,042 | 4,042 | 4,042 | 4,042 | 4,042 | 4,042 |
| GONZALES COUNTY WSC | L CANYON LAKE/RESERVOIR | 18 | 17 | 16 | 15 | 14 | 13 |
| GONZALES COUNTY WSC | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 104 | 98 | 92 | 85 | 80 | 74 |
| YORKTOWN | L GULF COAST AQUIFER DEWITT COUNTY | 972 | 972 | 972 | 972 | 972 | 972 |
| COUNTY-OTHER | L GULF COAST AQUIFER DEWITT COUNTY | 1,184 | 1,184 | 1,184 | 1,184 | 1,184 | 1,184 |
| MANUFACTURING | L GULF COAST AQUIFER DEWITT COUNTY | 455 | 455 | 455 | 455 | 455 | 455 |
| MINING | L GULF COAST AQUIFER DEWITT COUNTY | 2,405 | 2,259 | 1,668 | 1,081 | 494 | 229 |
| LIVESTOCK | L GUADALUPE LIVESTOCK LOCAL SUPPLY | 631 | 631 | 631 | 631 | 631 | 631 |
| LIVESTOCK | L GULF COAST AQUIFER DEWITT COUNTY | 886 | 886 | 886 | 886 | 886 | 886 |
| IRRIGATION | L GULF COAST AQUIFER DEWITT COUNTY | 520 | 520 | 520 | 520 | 520 | 520 |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 11,217 | 11,064 | 10,466 | 9,871 | 9,278 | 9,006 |
| LAVACA BASIN | | | | | | | |
| YOAKUM | L GULF COAST AQUIFER DEWITT COUNTY | 458 | 458 | 458 | 458 | 458 | 458 |
| COUNTY-OTHER | L GULF COAST AQUIFER DEWITT COUNTY | 206 | 208 | 215 | 224 | 225 | 225 |
| MANUFACTURING | L GULF COAST AQUIFER DEWITT COUNTY | 314 | 317 | 329 | 343 | 345 | 345 |
| MINING | L GULF COAST AQUIFER DEWITT COUNTY | 462 | 438 | 335 | 226 | 104 | 48 |
| LIVESTOCK | L GULF COAST AQUIFER DEWITT COUNTY | 27 | 27 | 27 | 27 | 27 | 27 |
| LIVESTOCK | L LAVACA LIVESTOCK LOCAL SUPPLY | 282 | 282 | 282 | 282 | 282 | 282 |
| IRRIGATION | L GULF COAST AQUIFER DEWITT COUNTY | 772 | 778 | 807 | 840 | 846 | 846 |
| LAVACA BASIN TOTAL EXISTING SUPPLY | | 2,521 | 2,508 | 2,453 | 2,400 | 2,287 | 2,231 |
| LAVACA-GUADALUPE BASIN | | | | | | | |
| COUNTY-OTHER | L GULF COAST AQUIFER DEWITT COUNTY | 2 | 2 | 2 | 2 | 2 | 2 |
| LIVESTOCK | L GULF COAST AQUIFER DEWITT COUNTY | 9 | 9 | 9 | 9 | 9 | 9 |
| LIVESTOCK | L LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | 9 | 9 | 9 | 9 | 9 | 9 |
| IRRIGATION | L GULF COAST AQUIFER DEWITT COUNTY | 15 | 15 | 15 | 15 | 15 | 15 |
| LAVACA-GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 35 | 35 | 35 | 35 | 35 | 35 |
| SAN ANTONIO BASIN | | | | | | | |
| COUNTY-OTHER | L GULF COAST AQUIFER DEWITT COUNTY | 89 | 89 | 89 | 89 | 89 | 89 |
| MINING | L GULF COAST AQUIFER DEWITT COUNTY | 254 | 238 | 176 | 113 | 52 | 24 |
| LIVESTOCK | L GULF COAST AQUIFER DEWITT COUNTY | 75 | 75 | 75 | 75 | 75 | 75 |
| LIVESTOCK | L SAN ANTONIO LIVESTOCK LOCAL SUPPLY | 75 | 75 | 75 | 75 | 75 | 75 |
| IRRIGATION | L GULF COAST AQUIFER DEWITT COUNTY | 104 | 104 | 104 | 104 | 104 | 104 |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY | | 597 | 581 | 519 | 456 | 395 | 367 |
| DEWITT COUNTY TOTAL EXISTING SUPPLY | | 14,370 | 14,188 | 13,473 | 12,762 | 11,995 | 11,639 |

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|--|--|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| DIMMIT COUNTY | | | | | | | |
| NUECES BASIN | | | | | | | |
| ASHERTON | L CARRIZO-WILCOX AQUIFER DIMMIT COUNTY | 313 | 313 | 313 | 313 | 313 | 313 |
| BIG WELLS | L CARRIZO-WILCOX AQUIFER DIMMIT COUNTY | 251 | 251 | 251 | 251 | 251 | 251 |
| CARRIZO SPRINGS | L CARRIZO-WILCOX AQUIFER DIMMIT COUNTY | 2,003 | 2,003 | 2,003 | 2,003 | 2,003 | 2,003 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER DIMMIT COUNTY | 311 | 311 | 311 | 311 | 311 | 311 |
| MINING | L CARRIZO-WILCOX AQUIFER DIMMIT COUNTY | 92 | 92 | 92 | 92 | 92 | 92 |
| MINING | L NUECES RUN-OF-RIVER | 1 | 1 | 1 | 1 | 1 | 1 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER DIMMIT COUNTY | 219 | 219 | 219 | 219 | 219 | 219 |
| LIVESTOCK | L NUECES LIVESTOCK LOCAL SUPPLY | 220 | 220 | 220 | 220 | 220 | 220 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER DIMMIT COUNTY | 64 | 64 | 64 | 64 | 64 | 64 |
| IRRIGATION | L NUECES RUN-OF-RIVER | 2,261 | 2,261 | 2,261 | 2,261 | 2,261 | 2,261 |
| NUECES BASIN TOTAL EXISTING SUPPLY | | 5,735 | 5,735 | 5,735 | 5,735 | 5,735 | 5,735 |
| RIO GRANDE BASIN | | | | | | | |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER DIMMIT COUNTY | 3 | 3 | 3 | 3 | 3 | 3 |
| MINING | | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER DIMMIT COUNTY | 25 | 25 | 25 | 25 | 25 | 25 |
| LIVESTOCK | L RIO GRANDE LIVESTOCK LOCAL SUPPLY | 24 | 24 | 24 | 24 | 24 | 24 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER DIMMIT COUNTY | 78 | 78 | 78 | 78 | 78 | 78 |
| RIO GRANDE BASIN TOTAL EXISTING SUPPLY | | 130 | 130 | 130 | 130 | 130 | 130 |
| DIMMIT COUNTY TOTAL EXISTING SUPPLY | | 5,865 | 5,865 | 5,865 | 5,865 | 5,865 | 5,865 |
| FRIO COUNTY | | | | | | | |
| NUECES BASIN | | | | | | | |
| BENTON CITY WSC | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 100 | 94 | 90 | 88 | 85 | 83 |
| DILLEY | L CARRIZO-WILCOX AQUIFER FRIO COUNTY | 2,107 | 2,107 | 2,107 | 2,107 | 2,107 | 2,107 |
| PEARSALL | L CARRIZO-WILCOX AQUIFER FRIO COUNTY | 2,731 | 2,731 | 2,731 | 2,731 | 2,731 | 2,731 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER FRIO COUNTY | 1,020 | 1,020 | 1,020 | 1,020 | 1,020 | 1,020 |
| MINING | L CARRIZO-WILCOX AQUIFER FRIO COUNTY | 517 | 550 | 528 | 386 | 220 | 190 |
| MINING | L QUEEN CITY AQUIFER FRIO COUNTY | 700 | 700 | 650 | 600 | 400 | 200 |
| STEAM ELECTRIC POWER | L CARRIZO-WILCOX AQUIFER FRIO COUNTY | 555 | 555 | 555 | 555 | 555 | 555 |
| LIVESTOCK | L NUECES LIVESTOCK LOCAL SUPPLY | 497 | 497 | 497 | 497 | 497 | 497 |
| LIVESTOCK | L QUEEN CITY AQUIFER FRIO COUNTY | 497 | 497 | 497 | 497 | 497 | 497 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER FRIO COUNTY | 68,922 | 66,442 | 64,071 | 61,803 | 59,611 | 57,600 |
| IRRIGATION | L QUEEN CITY AQUIFER FRIO COUNTY | 1,211 | 1,211 | 1,211 | 1,211 | 1,211 | 1,211 |
| IRRIGATION | L SPARTA AQUIFER FRIO COUNTY | 698 | 674 | 650 | 624 | 601 | 601 |
| NUECES BASIN TOTAL EXISTING SUPPLY | | 79,555 | 77,078 | 74,607 | 72,119 | 69,535 | 67,292 |
| FRIO COUNTY TOTAL EXISTING SUPPLY | | 79,555 | 77,078 | 74,607 | 72,119 | 69,535 | 67,292 |
| GOLIAD COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| COUNTY-OTHER | L GULF COAST AQUIFER GOLIAD COUNTY | 589 | 589 | 589 | 589 | 589 | 589 |
| MINING | L GULF COAST AQUIFER GOLIAD COUNTY | 126 | 126 | 126 | 126 | 126 | 126 |
| STEAM ELECTRIC POWER | L CANYON LAKE/RESERVOIR | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 | 4,000 |

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|--|---|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| GOLIAD COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| STEAM ELECTRIC POWER | L COLETO CREEK LAKE/RESERVOIR | 24,160 | 24,160 | 24,160 | 24,160 | 24,160 | 24,160 |
| STEAM ELECTRIC POWER | L GULF COAST AQUIFER GOLIAD COUNTY | 2,800 | 2,800 | 2,800 | 2,800 | 2,800 | 2,800 |
| LIVESTOCK | L GUADALUPE LIVESTOCK LOCAL SUPPLY | 140 | 140 | 140 | 140 | 140 | 140 |
| LIVESTOCK | L GULF COAST AQUIFER GOLIAD COUNTY | 122 | 122 | 122 | 122 | 122 | 122 |
| IRRIGATION | L GULF COAST AQUIFER GOLIAD COUNTY | 742 | 742 | 742 | 742 | 742 | 742 |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 32,679 | 32,679 | 32,679 | 32,679 | 32,679 | 32,679 |
| SAN ANTONIO BASIN | | | | | | | |
| GOLIAD | L GULF COAST AQUIFER GOLIAD COUNTY | 804 | 804 | 804 | 804 | 804 | 804 |
| COUNTY-OTHER | L GULF COAST AQUIFER GOLIAD COUNTY | 491 | 491 | 491 | 491 | 491 | 491 |
| MANUFACTURING | L GULF COAST AQUIFER GOLIAD COUNTY | 122 | 122 | 122 | 122 | 122 | 122 |
| MINING | L GULF COAST AQUIFER GOLIAD COUNTY | 275 | 275 | 275 | 275 | 275 | 275 |
| LIVESTOCK | L GULF COAST AQUIFER GOLIAD COUNTY | 233 | 233 | 233 | 233 | 233 | 233 |
| LIVESTOCK | L SAN ANTONIO LIVESTOCK LOCAL SUPPLY | 215 | 215 | 215 | 215 | 215 | 215 |
| IRRIGATION | L GULF COAST AQUIFER GOLIAD COUNTY | 592 | 592 | 592 | 592 | 592 | 592 |
| IRRIGATION | L SAN ANTONIO RUN-OF-RIVER | 2,524 | 2,524 | 2,524 | 2,524 | 2,524 | 2,524 |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY | | 5,256 | 5,256 | 5,256 | 5,256 | 5,256 | 5,256 |
| SAN ANTONIO-NUECES BASIN | | | | | | | |
| COUNTY-OTHER | L GULF COAST AQUIFER GOLIAD COUNTY | 132 | 132 | 132 | 132 | 132 | 132 |
| MINING | L GULF COAST AQUIFER GOLIAD COUNTY | 49 | 49 | 49 | 49 | 49 | 49 |
| LIVESTOCK | L GULF COAST AQUIFER GOLIAD COUNTY | 209 | 209 | 209 | 209 | 209 | 209 |
| LIVESTOCK | L SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY | 209 | 209 | 209 | 209 | 209 | 209 |
| IRRIGATION | L GULF COAST AQUIFER GOLIAD COUNTY | 416 | 416 | 416 | 416 | 416 | 416 |
| SAN ANTONIO-NUECES BASIN TOTAL EXISTING SUPPLY | | 1,015 | 1,015 | 1,015 | 1,015 | 1,015 | 1,015 |
| GOLIAD COUNTY TOTAL EXISTING SUPPLY | | 38,950 | 38,950 | 38,950 | 38,950 | 38,950 | 38,950 |
| GONZALES COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| GONZALES | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 345 | 345 | 345 | 345 | 345 | 345 |
| GONZALES | L GUADALUPE RUN-OF-RIVER | 2,240 | 2,240 | 2,240 | 2,240 | 2,240 | 2,240 |
| GONZALES COUNTY WSC | L CANYON LAKE/RESERVOIR | 318 | 317 | 317 | 317 | 317 | 318 |
| GONZALES COUNTY WSC | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 1,836 | 1,833 | 1,831 | 1,832 | 1,833 | 1,836 |
| NIXON | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 2,632 | 2,633 | 2,633 | 2,629 | 2,629 | 2,630 |
| SMILEY | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 225 | 225 | 225 | 225 | 225 | 225 |
| WAEOLDER | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 597 | 597 | 597 | 597 | 597 | 597 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 539 | 539 | 539 | 539 | 539 | 539 |
| MANUFACTURING | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 1,247 | 1,247 | 1,247 | 1,247 | 1,247 | 1,247 |
| MANUFACTURING | L SPARTA AQUIFER GONZALES COUNTY | 1,140 | 1,140 | 1,140 | 1,140 | 1,140 | 1,140 |
| MINING | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 1,600 | 1,207 | 813 | 418 | 24 | 1 |

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------------|--|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| GONZALES COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 647 | 647 | 647 | 647 | 647 | 647 |
| LIVESTOCK | L GUADALUPE LIVESTOCK LOCAL SUPPLY | 2,315 | 2,315 | 2,315 | 2,315 | 2,315 | 2,315 |
| LIVESTOCK | L GULF COAST AQUIFER GONZALES COUNTY | 35 | 35 | 35 | 35 | 35 | 35 |
| LIVESTOCK | L QUEEN CITY AQUIFER GONZALES COUNTY | 554 | 554 | 554 | 554 | 554 | 554 |
| LIVESTOCK | L SPARTA AQUIFER GONZALES COUNTY | 449 | 449 | 449 | 449 | 449 | 449 |
| LIVESTOCK | L YEGUA-JACKSON AQUIFER GONZALES COUNTY | 629 | 629 | 629 | 629 | 629 | 629 |
| IRRIGATION | L CANYON LAKE/RESERVOIR | 7 | 7 | 7 | 7 | 7 | 7 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 1,027 | 1,027 | 1,027 | 1,027 | 1,027 | 1,027 |
| IRRIGATION | L GUADALUPE RUN-OF-RIVER | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 |
| IRRIGATION | L QUEEN CITY AQUIFER GONZALES COUNTY | 629 | 629 | 629 | 629 | 629 | 629 |
| IRRIGATION | L YEGUA-JACKSON AQUIFER GONZALES COUNTY | 140 | 140 | 140 | 140 | 140 | 140 |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 20,951 | 20,555 | 20,159 | 19,761 | 19,368 | 19,350 |
| LAVACA BASIN | | | | | | | |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 33 | 33 | 33 | 33 | 33 | 33 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 54 | 54 | 54 | 54 | 54 | 54 |
| LIVESTOCK | L LAVACA LIVESTOCK LOCAL SUPPLY | 53 | 53 | 53 | 53 | 53 | 53 |
| LAVACA BASIN TOTAL EXISTING SUPPLY | | 140 | 140 | 140 | 140 | 140 | 140 |
| GONZALES COUNTY TOTAL EXISTING SUPPLY | | 21,091 | 20,695 | 20,299 | 19,901 | 19,508 | 19,490 |
| GUADALUPE COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| CRYSTAL CLEAR WSC | L CANYON LAKE/RESERVOIR | 824 | 834 | 837 | 831 | 824 | 813 |
| CRYSTAL CLEAR WSC | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 190 | 192 | 193 | 192 | 190 | 188 |
| CRYSTAL CLEAR WSC | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 32 | 32 | 32 | 32 | 32 | 31 |
| CRYSTAL CLEAR WSC | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 647 | 655 | 657 | 652 | 647 | 639 |
| CRYSTAL CLEAR WSC | L GUADALUPE RIVER ALLUVIUM AQUIFER CALDWELL COUNTY | 136 | 138 | 138 | 137 | 136 | 135 |
| GONZALES COUNTY WSC | L CANYON LAKE/RESERVOIR | 5 | 6 | 6 | 6 | 7 | 7 |
| GONZALES COUNTY WSC | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 30 | 32 | 35 | 37 | 38 | 39 |
| GREEN VALLEY SUD | L CANYON LAKE/RESERVOIR | 31 | 32 | 32 | 32 | 32 | 32 |
| GREEN VALLEY SUD | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 145 | 145 | 146 | 147 | 148 | 149 |
| GREEN VALLEY SUD | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 139 | 140 | 141 | 141 | 142 | 143 |
| GREEN VALLEY SUD | L TRINITY AQUIFER BEXAR COUNTY | 48 | 48 | 48 | 48 | 49 | 49 |
| LULING | L CARRIZO-WILCOX AQUIFER CALDWELL COUNTY | 5 | 4 | 4 | 4 | 4 | 4 |
| NEW BRAUNFELS | L CANYON LAKE/RESERVOIR | 1,648 | 1,596 | 1,562 | 1,532 | 1,513 | 1,502 |
| NEW BRAUNFELS | L DIRECT REUSE | 18 | 18 | 17 | 17 | 17 | 17 |
| NEW BRAUNFELS | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 938 | 908 | 888 | 871 | 860 | 854 |

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|----------------------|---|--------------------------------------|-------|-------|-------|-------|-------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| GUADALUPE COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| NEW BRAUNFELS | L GUADALUPE RUN-OF-RIVER | 115 | 111 | 109 | 107 | 106 | 105 |
| NEW BRAUNFELS | L TRINITY AQUIFER BEXAR COUNTY | 18 | 17 | 17 | 17 | 16 | 16 |
| NEW BRAUNFELS | L TRINITY AQUIFER COMAL COUNTY | 109 | 106 | 104 | 102 | 100 | 100 |
| SANTA CLARA | L CANYON LAKE/RESERVOIR | 14 | 14 | 14 | 14 | 14 | 14 |
| SANTA CLARA | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 21 | 20 | 20 | 21 | 20 | 20 |
| SCHERTZ | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 241 | 239 | 236 | 233 | 229 | 226 |
| SCHERTZ | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 241 | 239 | 236 | 233 | 229 | 226 |
| SCHERTZ | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 67 | 66 | 65 | 65 | 64 | 63 |
| SEGUIN | L CANYON LAKE/RESERVOIR | 1,160 | 1,171 | 1,200 | 1,263 | 1,329 | 1,397 |
| SEGUIN | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 5,940 | 5,951 | 5,980 | 6,043 | 6,109 | 6,177 |
| SEGUIN | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 1,381 | 1,390 | 1,419 | 1,482 | 1,550 | 1,616 |
| SEGUIN | L DIRECT REUSE | 60 | 60 | 60 | 60 | 60 | 60 |
| SPRINGS HILL WSC | L CANYON LAKE/RESERVOIR | 3,604 | 3,584 | 3,533 | 3,421 | 3,302 | 3,183 |
| SPRINGS HILL WSC | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 681 | 662 | 610 | 498 | 380 | 329 |
| SPRINGS HILL WSC | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 646 | 628 | 577 | 465 | 346 | 159 |
| SPRINGS HILL WSC | L GUADALUPE RUN-OF-RIVER | 79 | 79 | 79 | 79 | 79 | 79 |
| COUNTY-OTHER | L CANYON LAKE/RESERVOIR | 649 | 762 | 783 | 828 | 877 | 924 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 218 | 261 | 282 | 327 | 375 | 368 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 1,128 | 1,152 | 1,172 | 1,217 | 1,264 | 1,367 |
| COUNTY-OTHER | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 60 | 70 | 70 | 70 | 70 | 70 |
| COUNTY-OTHER | L GUADALUPE RUN-OF-RIVER | 61 | 61 | 61 | 61 | 61 | 61 |
| COUNTY-OTHER | L TRINITY AQUIFER BEXAR COUNTY | 30 | 35 | 35 | 35 | 35 | 35 |
| MANUFACTURING | L CANYON LAKE/RESERVOIR | 985 | 985 | 985 | 985 | 985 | 985 |
| MANUFACTURING | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| MANUFACTURING | L EDWARDS-BFZ AQUIFER GUADALUPE COUNTY | 208 | 208 | 208 | 208 | 208 | 208 |
| MANUFACTURING | L GUADALUPE RUN-OF-RIVER | 1,459 | 1,459 | 1,459 | 1,459 | 1,459 | 1,459 |
| MINING | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 342 | 412 | 479 | 566 | 663 | 782 |
| STEAM ELECTRIC POWER | L CANYON LAKE/RESERVOIR | 6,840 | 6,840 | 6,840 | 6,840 | 6,840 | 6,840 |
| STEAM ELECTRIC POWER | L DIRECT REUSE | 1,352 | 1,352 | 1,352 | 1,352 | 1,352 | 1,352 |
| STEAM ELECTRIC POWER | L GUADALUPE RUN-OF-RIVER | 5,600 | 5,600 | 5,600 | 5,600 | 5,600 | 5,600 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 418 | 418 | 418 | 418 | 418 | 418 |
| LIVESTOCK | L GUADALUPE LIVESTOCK LOCAL SUPPLY | 523 | 523 | 523 | 523 | 523 | 523 |
| IRRIGATION | L CANYON LAKE/RESERVOIR | 336 | 336 | 336 | 336 | 336 | 336 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 122 | 122 | 122 | 122 | 122 | 122 |

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------------|---|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| GUADALUPE COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| IRRIGATION | L GUADALUPE RUN-OF-RIVER | 1,037 | 1,037 | 1,037 | 1,037 | 1,037 | 1,037 |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 41,581 | 41,750 | 41,757 | 41,766 | 41,797 | 41,859 |
| SAN ANTONIO BASIN | | | | | | | |
| CIBOLO | L CANYON LAKE/RESERVOIR | 2,526 | 2,526 | 2,526 | 2,526 | 2,526 | 2,526 |
| CIBOLO | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 1,050 | 1,050 | 1,050 | 1,050 | 1,050 | 1,050 |
| EAST CENTRAL SUD | L CANYON LAKE/RESERVOIR | 49 | 50 | 50 | 50 | 49 | 48 |
| EAST CENTRAL SUD | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 46 | 49 | 51 | 53 | 55 | 56 |
| EAST CENTRAL SUD | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 211 | 225 | 237 | 246 | 257 | 267 |
| GREEN VALLEY SUD | L CANYON LAKE/RESERVOIR | 23 | 23 | 23 | 23 | 23 | 24 |
| GREEN VALLEY SUD | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 105 | 106 | 107 | 108 | 108 | 109 |
| GREEN VALLEY SUD | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 101 | 102 | 103 | 103 | 104 | 104 |
| GREEN VALLEY SUD | L TRINITY AQUIFER BEXAR COUNTY | 35 | 35 | 35 | 35 | 36 | 36 |
| MARION | L CANYON LAKE/RESERVOIR | 208 | 208 | 208 | 208 | 208 | 208 |
| MARION | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 5 | 5 | 5 | 5 | 5 | 5 |
| MARION | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 114 | 114 | 114 | 114 | 114 | 114 |
| MARION | L TRINITY AQUIFER BEXAR COUNTY | 5 | 5 | 5 | 5 | 5 | 5 |
| NEW BERLIN | L CANYON LAKE/RESERVOIR | 34 | 40 | 47 | 53 | 60 | 66 |
| NEW BERLIN | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 34 | 40 | 46 | 53 | 59 | 66 |
| NEW BERLIN | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 34 | 40 | 47 | 53 | 60 | 66 |
| SANTA CLARA | L CANYON LAKE/RESERVOIR | 86 | 86 | 86 | 86 | 86 | 86 |
| SANTA CLARA | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 123 | 124 | 124 | 123 | 124 | 124 |
| SCHERTZ | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 3,010 | 2,993 | 2,950 | 2,910 | 2,866 | 2,832 |
| SCHERTZ | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 3,010 | 2,993 | 2,950 | 2,910 | 2,866 | 2,832 |
| SCHERTZ | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 834 | 830 | 818 | 807 | 794 | 785 |
| SELMA | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 209 | 312 | 296 | 282 | 270 | 260 |
| SELMA | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 128 | 192 | 182 | 174 | 166 | 160 |
| SELMA | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 204 | 304 | 288 | 274 | 263 | 253 |
| SPRINGS HILL WSC | L CANYON LAKE/RESERVOIR | 485 | 484 | 476 | 461 | 446 | 429 |
| SPRINGS HILL WSC | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 91 | 89 | 82 | 67 | 51 | 44 |
| SPRINGS HILL WSC | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 87 | 85 | 78 | 63 | 47 | 21 |
| SPRINGS HILL WSC | L GUADALUPE RUN-OF-RIVER | 11 | 11 | 11 | 11 | 11 | 11 |
| WATER SERVICES INC | L TRINITY AQUIFER BEXAR COUNTY | 64 | 69 | 72 | 76 | 79 | 82 |
| COUNTY-OTHER | L CANYON LAKE/RESERVOIR | 426 | 323 | 332 | 351 | 370 | 391 |

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---|--|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| GUADALUPE COUNTY | | | | | | | |
| SAN ANTONIO BASIN | | | | | | | |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 145 | 112 | 121 | 140 | 160 | 157 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 173 | 160 | 169 | 188 | 208 | 252 |
| COUNTY-OTHER | L EDWARDS-BFZ AQUIFER COMAL COUNTY | 40 | 30 | 30 | 30 | 30 | 30 |
| COUNTY-OTHER | L TRINITY AQUIFER BEXAR COUNTY | 20 | 15 | 15 | 15 | 15 | 15 |
| MANUFACTURING | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 15 | 15 | 15 | 15 | 15 | 15 |
| MINING | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 114 | 138 | 160 | 189 | 221 | 261 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 105 | 105 | 105 | 105 | 105 | 105 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 75 | 75 | 75 | 75 | 75 | 75 |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY | | 14,035 | 14,163 | 14,089 | 14,037 | 13,987 | 13,970 |
| GUADALUPE COUNTY TOTAL EXISTING SUPPLY | | 55,616 | 55,913 | 55,846 | 55,803 | 55,784 | 55,829 |
| HAYS COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| BUDA | K EDWARDS-BFZ AQUIFER HAYS COUNTY | 79 | 79 | 79 | 79 | 79 | 79 |
| BUDA | L CANYON LAKE/RESERVOIR | 243 | 243 | 243 | 243 | 243 | 243 |
| COUNTY LINE WSC | L CANYON LAKE/RESERVOIR | 405 | 380 | 349 | 306 | 255 | 194 |
| COUNTY LINE WSC | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 77 | 79 | 81 | 83 | 85 | 87 |
| CREEDMOOR-MAHA WSC | K CARRIZO-WILCOX AQUIFER BASTROP COUNTY | 1 | 1 | 1 | 1 | 1 | 1 |
| CREEDMOOR-MAHA WSC | K COLORADO RUN-OF-RIVER | 3 | 3 | 4 | 4 | 5 | 5 |
| CREEDMOOR-MAHA WSC | K EDWARDS-BFZ AQUIFER TRAVIS COUNTY | 3 | 3 | 3 | 3 | 3 | 3 |
| CRYSTAL CLEAR WSC | L CANYON LAKE/RESERVOIR | 323 | 317 | 319 | 329 | 340 | 354 |
| CRYSTAL CLEAR WSC | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 74 | 73 | 74 | 76 | 79 | 82 |
| CRYSTAL CLEAR WSC | L CARRIZO-WILCOX AQUIFER GUADALUPE COUNTY | 12 | 12 | 12 | 13 | 13 | 14 |
| CRYSTAL CLEAR WSC | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 254 | 249 | 251 | 258 | 267 | 278 |
| CRYSTAL CLEAR WSC | L GUADALUPE RIVER ALLUVIUM AQUIFER CALDWELL COUNTY | 53 | 53 | 53 | 54 | 56 | 59 |
| GOFORTH SUD | K EDWARDS-BFZ AQUIFER TRAVIS COUNTY | 7 | 7 | 6 | 6 | 6 | 6 |
| GOFORTH SUD | L CANYON LAKE/RESERVOIR | 957 | 948 | 943 | 940 | 938 | 936 |
| GOFORTH SUD | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 105 | 104 | 103 | 103 | 103 | 103 |
| GOFORTH SUD | L TRINITY AQUIFER HAYS COUNTY | 2,834 | 2,807 | 2,793 | 2,783 | 2,777 | 2,774 |
| KYLE | L CANYON LAKE/RESERVOIR | 5,743 | 5,743 | 5,743 | 5,743 | 5,743 | 5,743 |
| KYLE | L DIRECT REUSE | 199 | 199 | 199 | 199 | 199 | 199 |
| KYLE | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 390 | 390 | 390 | 390 | 390 | 390 |
| MAXWELL WSC | L CANYON LAKE/RESERVOIR | 101 | 92 | 87 | 85 | 84 | 84 |
| MAXWELL WSC | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 39 | 35 | 33 | 32 | 32 | 32 |
| MAXWELL WSC | L GUADALUPE RUN-OF-RIVER | 153 | 139 | 131 | 128 | 127 | 127 |
| MOUNTAIN CITY | K EDWARDS-BFZ AQUIFER HAYS COUNTY | 15 | 16 | 18 | 18 | 18 | 18 |

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------------|--|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| HAYS COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| MOUNTAIN CITY | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 13 | 13 | 13 | 13 | 13 | 13 |
| NIEDERWALD | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 10 | 10 | 11 | 11 | 11 | 11 |
| PLUM CREEK WATER COMPANY | L TRINITY AQUIFER HAYS COUNTY | 939 | 920 | 903 | 889 | 878 | 870 |
| SAN MARCOS | L CANYON LAKE/RESERVOIR | 9,998 | 9,998 | 9,998 | 9,997 | 9,997 | 9,997 |
| SAN MARCOS | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 3,803 | 3,803 | 3,803 | 3,803 | 3,803 | 3,803 |
| UHLAND | L CANYON LAKE/RESERVOIR | 99 | 133 | 175 | 229 | 290 | 360 |
| WIMBERLEY | L TRINITY AQUIFER HAYS COUNTY | 844 | 844 | 844 | 844 | 844 | 844 |
| WIMBERLEY WSC | L TRINITY AQUIFER HAYS COUNTY | 683 | 683 | 683 | 683 | 683 | 683 |
| WOODCREEK | L TRINITY AQUIFER HAYS COUNTY | 998 | 998 | 998 | 998 | 998 | 998 |
| COUNTY-OTHER | L CANYON LAKE/RESERVOIR | 3,817 | 3,817 | 3,817 | 3,817 | 3,817 | 3,817 |
| COUNTY-OTHER | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 947 | 947 | 947 | 947 | 947 | 947 |
| COUNTY-OTHER | L TRINITY AQUIFER HAYS COUNTY | 341 | 341 | 341 | 341 | 341 | 341 |
| MANUFACTURING | | 0 | 0 | 0 | 0 | 0 | 0 |
| STEAM ELECTRIC POWER | L CANYON LAKE/RESERVOIR | 2,464 | 2,464 | 2,464 | 2,464 | 2,464 | 2,464 |
| STEAM ELECTRIC POWER | L DIRECT REUSE | 2,912 | 2,912 | 2,912 | 2,912 | 2,912 | 2,912 |
| LIVESTOCK | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 161 | 161 | 161 | 161 | 161 | 161 |
| LIVESTOCK | L GUADALUPE LIVESTOCK LOCAL SUPPLY | 204 | 204 | 204 | 204 | 204 | 204 |
| LIVESTOCK | L TRINITY AQUIFER HAYS COUNTY | 45 | 45 | 45 | 45 | 45 | 45 |
| IRRIGATION | L DIRECT REUSE | 224 | 224 | 224 | 224 | 224 | 224 |
| IRRIGATION | L EDWARDS-BFZ AQUIFER HAYS COUNTY | 282 | 282 | 282 | 282 | 282 | 282 |
| IRRIGATION | L GUADALUPE RUN-OF-RIVER | 130 | 130 | 130 | 130 | 130 | 130 |
| IRRIGATION | L TRINITY AQUIFER HAYS COUNTY | 102 | 102 | 102 | 102 | 102 | 102 |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 41,086 | 41,003 | 40,972 | 40,972 | 40,989 | 41,019 |
| HAYS COUNTY TOTAL EXISTING SUPPLY | | 41,086 | 41,003 | 40,972 | 40,972 | 40,989 | 41,019 |
| KARNES COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| EL OSO WSC | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 3 | 2 | 2 | 3 | 4 | 3 |
| EL OSO WSC | L GULF COAST AQUIFER KARNES COUNTY | 4 | 3 | 3 | 3 | 3 | 3 |
| EL OSO WSC | N GULF COAST AQUIFER BEE COUNTY | 0 | 0 | 0 | 0 | 1 | 0 |
| EL OSO WSC | N GULF COAST AQUIFER LIVE OAK COUNTY | 5 | 4 | 4 | 3 | 4 | 3 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 20 | 20 | 20 | 20 | 20 | 20 |
| COUNTY-OTHER | L GULF COAST AQUIFER KARNES COUNTY | 8 | 8 | 8 | 8 | 8 | 8 |
| MINING | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 152 | 115 | 77 | 40 | 2 | 0 |
| LIVESTOCK | L GUADALUPE LIVESTOCK LOCAL SUPPLY | 20 | 20 | 20 | 20 | 20 | 20 |
| LIVESTOCK | L GULF COAST AQUIFER KARNES COUNTY | 4 | 4 | 4 | 4 | 4 | 4 |
| LIVESTOCK | L YEGUA-JACKSON AQUIFER KARNES COUNTY | 17 | 17 | 17 | 17 | 17 | 17 |
| IRRIGATION | L YEGUA-JACKSON AQUIFER KARNES COUNTY | 30 | 30 | 30 | 30 | 30 | 30 |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 263 | 223 | 185 | 148 | 113 | 108 |

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---|--|--------------------------------------|-------|-------|-------|-------|-------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| KARNES COUNTY | | | | | | | |
| NUECES BASIN | | | | | | | |
| EL OSO WSC | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 7 | 7 | 8 | 8 | 8 | 8 |
| EL OSO WSC | L GULF COAST AQUIFER KARNES COUNTY | 10 | 10 | 10 | 10 | 9 | 9 |
| EL OSO WSC | N GULF COAST AQUIFER BEE COUNTY | 3 | 2 | 2 | 2 | 3 | 3 |
| EL OSO WSC | N GULF COAST AQUIFER LIVE OAK COUNTY | 10 | 10 | 10 | 10 | 10 | 10 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 20 | 20 | 20 | 20 | 20 | 20 |
| MINING | L GULF COAST AQUIFER KARNES COUNTY | 36 | 36 | 35 | 31 | 28 | 26 |
| LIVESTOCK | L GULF COAST AQUIFER KARNES COUNTY | 42 | 42 | 42 | 42 | 42 | 42 |
| LIVESTOCK | L YEGUA-JACKSON AQUIFER KARNES COUNTY | 22 | 22 | 22 | 22 | 22 | 22 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 42 | 42 | 42 | 42 | 42 | 42 |
| NUECES BASIN TOTAL EXISTING SUPPLY | | 192 | 191 | 191 | 187 | 184 | 182 |
| SAN ANTONIO BASIN | | | | | | | |
| EL OSO WSC | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 206 | 217 | 223 | 227 | 228 | 226 |
| EL OSO WSC | L GULF COAST AQUIFER KARNES COUNTY | 289 | 289 | 285 | 282 | 270 | 268 |
| EL OSO WSC | N GULF COAST AQUIFER BEE COUNTY | 94 | 94 | 93 | 92 | 91 | 90 |
| EL OSO WSC | N GULF COAST AQUIFER LIVE OAK COUNTY | 295 | 294 | 291 | 289 | 285 | 283 |
| FALLS CITY | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 220 | 233 | 243 | 248 | 252 | 252 |
| KARNES CITY | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 289 | 306 | 319 | 326 | 331 | 331 |
| KENEDY | L GULF COAST AQUIFER KARNES COUNTY | 1,260 | 1,257 | 1,256 | 1,254 | 1,211 | 1,211 |
| RUNGE | L GULF COAST AQUIFER KARNES COUNTY | 274 | 273 | 273 | 273 | 263 | 263 |
| SUNKO WSC | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 54 | 47 | 40 | 35 | 31 | 29 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 51 | 52 | 52 | 52 | 52 | 52 |
| COUNTY-OTHER | L GULF COAST AQUIFER KARNES COUNTY | 549 | 548 | 548 | 547 | 528 | 528 |
| MANUFACTURING | L GULF COAST AQUIFER KARNES COUNTY | 229 | 228 | 228 | 228 | 220 | 220 |
| MINING | L DIRECT REUSE | 30 | 30 | 30 | 30 | 30 | 30 |
| MINING | L YEGUA-JACKSON AQUIFER KARNES COUNTY | 411 | 411 | 411 | 411 | 15 | 1 |
| LIVESTOCK | L GULF COAST AQUIFER KARNES COUNTY | 275 | 274 | 274 | 273 | 264 | 264 |
| LIVESTOCK | L SAN ANTONIO LIVESTOCK LOCAL SUPPLY | 547 | 548 | 548 | 549 | 558 | 558 |
| LIVESTOCK | L YEGUA-JACKSON AQUIFER KARNES COUNTY | 217 | 217 | 217 | 217 | 217 | 217 |
| IRRIGATION | L GULF COAST AQUIFER KARNES COUNTY | 32 | 32 | 32 | 32 | 31 | 31 |
| IRRIGATION | L SAN ANTONIO RUN-OF-RIVER | 725 | 725 | 725 | 725 | 725 | 725 |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY | | 6,047 | 6,075 | 6,088 | 6,090 | 5,602 | 5,579 |
| SAN ANTONIO-NUECES BASIN | | | | | | | |
| EL OSO WSC | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 2 | 2 | 2 | 2 | 2 | 2 |
| EL OSO WSC | L GULF COAST AQUIFER KARNES COUNTY | 3 | 3 | 3 | 3 | 3 | 3 |
| EL OSO WSC | N GULF COAST AQUIFER BEE COUNTY | 1 | 1 | 1 | 1 | 1 | 1 |
| EL OSO WSC | N GULF COAST AQUIFER LIVE OAK COUNTY | 3 | 3 | 3 | 3 | 3 | 3 |
| COUNTY-OTHER | L GULF COAST AQUIFER KARNES COUNTY | 20 | 20 | 20 | 20 | 20 | 20 |

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|--|--|--------------------------------------|-------|-------|-------|-------|-------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| KARNES COUNTY | | | | | | | |
| SAN ANTONIO-NUECES BASIN | | | | | | | |
| MINING | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 1 | 1 | 1 | 1 | 1 | 1 |
| MINING | L GULF COAST AQUIFER KARNES COUNTY | 34 | 34 | 34 | 34 | 9 | 0 |
| LIVESTOCK | L GULF COAST AQUIFER KARNES COUNTY | 14 | 14 | 14 | 14 | 14 | 14 |
| LIVESTOCK | L SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY | 10 | 10 | 10 | 10 | 10 | 10 |
| IRRIGATION | L GULF COAST AQUIFER KARNES COUNTY | 16 | 16 | 16 | 16 | 16 | 16 |
| SAN ANTONIO-NUECES BASIN TOTAL EXISTING SUPPLY | | 104 | 104 | 104 | 104 | 79 | 70 |
| KARNES COUNTY TOTAL EXISTING SUPPLY | | 6,606 | 6,593 | 6,568 | 6,529 | 5,978 | 5,939 |
| KENDALL COUNTY | | | | | | | |
| COLORADO BASIN | | | | | | | |
| COUNTY-OTHER | L EDWARDS-TRINITY-PLATEAU AQUIFER KENDALL COUNTY | 44 | 44 | 44 | 44 | 44 | 44 |
| COUNTY-OTHER | L TRINITY AQUIFER KENDALL COUNTY | 44 | 44 | 44 | 44 | 44 | 44 |
| LIVESTOCK | L COLORADO LIVESTOCK LOCAL SUPPLY | 6 | 6 | 6 | 6 | 6 | 6 |
| LIVESTOCK | L EDWARDS-TRINITY-PLATEAU AQUIFER KENDALL COUNTY | 2 | 2 | 2 | 2 | 2 | 2 |
| LIVESTOCK | L TRINITY AQUIFER KENDALL COUNTY | 5 | 5 | 5 | 5 | 5 | 5 |
| COLORADO BASIN TOTAL EXISTING SUPPLY | | 101 | 101 | 101 | 101 | 101 | 101 |
| GUADALUPE BASIN | | | | | | | |
| KENDALL COUNTY WCID #1 | L DIRECT REUSE | 230 | 230 | 230 | 230 | 230 | 230 |
| KENDALL COUNTY WCID #1 | L TRINITY AQUIFER KENDALL COUNTY | 545 | 545 | 545 | 545 | 545 | 545 |
| COUNTY-OTHER | L CANYON LAKE/RESERVOIR | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 | 2,500 |
| COUNTY-OTHER | L EDWARDS-TRINITY-PLATEAU AQUIFER KENDALL COUNTY | 94 | 94 | 94 | 94 | 94 | 94 |
| COUNTY-OTHER | L TRINITY AQUIFER KENDALL COUNTY | 1,320 | 1,320 | 1,320 | 1,320 | 1,320 | 1,320 |
| LIVESTOCK | L EDWARDS-TRINITY-PLATEAU AQUIFER KENDALL COUNTY | 9 | 9 | 9 | 9 | 9 | 9 |
| LIVESTOCK | L GUADALUPE LIVESTOCK LOCAL SUPPLY | 159 | 159 | 159 | 159 | 159 | 159 |
| LIVESTOCK | L TRINITY AQUIFER KENDALL COUNTY | 148 | 148 | 148 | 148 | 148 | 148 |
| IRRIGATION | L DIRECT REUSE | 34 | 34 | 34 | 34 | 34 | 34 |
| IRRIGATION | L GUADALUPE RUN-OF-RIVER | 26 | 26 | 26 | 26 | 26 | 26 |
| IRRIGATION | L TRINITY AQUIFER KENDALL COUNTY | 300 | 300 | 300 | 300 | 300 | 300 |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 5,365 | 5,365 | 5,365 | 5,365 | 5,365 | 5,365 |
| SAN ANTONIO BASIN | | | | | | | |
| BOERNE | L CANYON LAKE/RESERVOIR | 3,611 | 3,611 | 3,611 | 3,611 | 3,611 | 3,611 |
| BOERNE | L DIRECT REUSE | 7 | 7 | 7 | 7 | 7 | 7 |
| BOERNE | L TRINITY AQUIFER KENDALL COUNTY | 987 | 987 | 987 | 987 | 987 | 987 |
| FAIR OAKS RANCH | L CANYON LAKE/RESERVOIR | 585 | 690 | 775 | 840 | 895 | 940 |
| FAIR OAKS RANCH | L DIRECT REUSE | 177 | 209 | 235 | 254 | 271 | 285 |
| FAIR OAKS RANCH | L TRINITY AQUIFER COMAL COUNTY | 434 | 511 | 574 | 622 | 663 | 696 |
| WATER SERVICES INC | L TRINITY AQUIFER BEXAR COUNTY | 74 | 79 | 87 | 92 | 98 | 103 |
| COUNTY-OTHER | L TRINITY AQUIFER KENDALL COUNTY | 1,425 | 1,425 | 1,425 | 1,425 | 1,425 | 1,425 |

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---|--|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| KENDALL COUNTY | | | | | | | |
| SAN ANTONIO BASIN | | | | | | | |
| LIVESTOCK | L EDWARDS-TRINITY-PLATEAU AQUIFER KENDALL COUNTY | 9 | 9 | 9 | 9 | 9 | 9 |
| LIVESTOCK | L SAN ANTONIO LIVESTOCK LOCAL SUPPLY | 33 | 33 | 33 | 33 | 33 | 33 |
| LIVESTOCK | L TRINITY AQUIFER KENDALL COUNTY | 24 | 24 | 24 | 24 | 24 | 24 |
| IRRIGATION | L TRINITY AQUIFER KENDALL COUNTY | 100 | 100 | 100 | 100 | 100 | 100 |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY | | 7,466 | 7,685 | 7,867 | 8,004 | 8,123 | 8,220 |
| KENDALL COUNTY TOTAL EXISTING SUPPLY | | 12,932 | 13,151 | 13,333 | 13,470 | 13,589 | 13,686 |
| LA SALLE COUNTY | | | | | | | |
| NUECES BASIN | | | | | | | |
| COTULLA | L CARRIZO-WILCOX AQUIFER LA SALLE COUNTY | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |
| ENCINAL | L CARRIZO-WILCOX AQUIFER LA SALLE COUNTY | 268 | 268 | 268 | 268 | 268 | 268 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER LA SALLE COUNTY | 500 | 500 | 500 | 500 | 500 | 500 |
| MINING | L CARRIZO-WILCOX AQUIFER LA SALLE COUNTY | 529 | 529 | 529 | 529 | 529 | 529 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER LA SALLE COUNTY | 139 | 139 | 139 | 139 | 139 | 139 |
| LIVESTOCK | L NUECES LIVESTOCK LOCAL SUPPLY | 305 | 305 | 305 | 305 | 305 | 305 |
| LIVESTOCK | L QUEEN CITY AQUIFER LA SALLE COUNTY | 1 | 1 | 1 | 1 | 1 | 1 |
| LIVESTOCK | L SPARTA AQUIFER LA SALLE COUNTY | 74 | 74 | 74 | 74 | 74 | 74 |
| LIVESTOCK | L YEGUA-JACKSON AQUIFER LA SALLE COUNTY | 91 | 91 | 91 | 91 | 91 | 91 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER LA SALLE COUNTY | 3,018 | 3,018 | 3,018 | 3,018 | 3,018 | 3,018 |
| IRRIGATION | L NUECES RUN-OF-RIVER | 705 | 705 | 705 | 705 | 705 | 705 |
| IRRIGATION | L SPARTA AQUIFER LA SALLE COUNTY | 913 | 913 | 913 | 913 | 913 | 913 |
| NUECES BASIN TOTAL EXISTING SUPPLY | | 8,543 | 8,543 | 8,543 | 8,543 | 8,543 | 8,543 |
| LA SALLE COUNTY TOTAL EXISTING SUPPLY | | 8,543 | 8,543 | 8,543 | 8,543 | 8,543 | 8,543 |
| MEDINA COUNTY | | | | | | | |
| NUECES BASIN | | | | | | | |
| BENTON CITY WSC | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 896 | 920 | 931 | 933 | 933 | 930 |
| DEVINE | L CARRIZO-WILCOX AQUIFER MEDINA COUNTY | 221 | 220 | 220 | 220 | 220 | 220 |
| DEVINE | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 535 | 535 | 535 | 535 | 535 | 535 |
| EAST MEDINA COUNTY SUD | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 925 | 926 | 926 | 927 | 926 | 926 |
| HONDO | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 1,530 | 1,530 | 1,530 | 1,530 | 1,530 | 1,530 |
| LYTLE | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 80 | 85 | 87 | 88 | 88 | 88 |
| NATALIA | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 180 | 180 | 180 | 180 | 180 | 180 |
| YANCEY WSC | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 124 | 125 | 125 | 125 | 125 | 125 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER MEDINA COUNTY | 500 | 498 | 498 | 498 | 498 | 498 |
| COUNTY-OTHER | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 1,232 | 1,232 | 1,232 | 1,232 | 1,232 | 1,232 |
| MANUFACTURING | L CARRIZO-WILCOX AQUIFER MEDINA COUNTY | 2 | 2 | 2 | 2 | 2 | 2 |
| MANUFACTURING | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 1,937 | 1,937 | 1,937 | 1,937 | 1,937 | 1,937 |
| MINING | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 305 | 305 | 305 | 305 | 305 | 305 |

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|------------------------------------|--|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| MEDINA COUNTY | | | | | | | |
| NUECES BASIN | | | | | | | |
| MINING | L LEONA GRAVEL AQUIFER MEDINA COUNTY | 1,083 | 1,238 | 1,368 | 1,500 | 1,667 | 1,849 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER MEDINA COUNTY | 38 | 38 | 38 | 38 | 38 | 38 |
| LIVESTOCK | L LEONA GRAVEL AQUIFER MEDINA COUNTY | 321 | 321 | 321 | 321 | 321 | 321 |
| LIVESTOCK | L NUECES LIVESTOCK LOCAL SUPPLY | 519 | 519 | 519 | 519 | 519 | 519 |
| LIVESTOCK | L TRINITY AQUIFER MEDINA COUNTY | 164 | 164 | 164 | 164 | 164 | 164 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER MEDINA COUNTY | 1,758 | 1,749 | 1,749 | 1,749 | 1,749 | 1,749 |
| IRRIGATION | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 12,238 | 12,238 | 12,238 | 12,238 | 12,238 | 12,238 |
| IRRIGATION | L TRINITY AQUIFER MEDINA COUNTY | 5,784 | 5,784 | 5,784 | 5,784 | 5,784 | 5,784 |
| NUECES BASIN TOTAL EXISTING SUPPLY | | 30,372 | 30,546 | 30,689 | 30,825 | 30,991 | 31,170 |
| SAN ANTONIO BASIN | | | | | | | |
| CASTROVILLE | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 570 | 570 | 570 | 570 | 570 | 570 |
| EAST MEDINA COUNTY SUD | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 85 | 84 | 84 | 83 | 84 | 84 |
| LACOSTE | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 117 | 117 | 117 | 117 | 117 | 117 |
| SAN ANTONIO | L CANYON LAKE/RESERVOIR | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 0 | 1 | 1 | 1 | 1 | 1 |
| SAN ANTONIO | L DIRECT REUSE | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 5 | 6 | 8 | 8 | 8 | 9 |
| SAN ANTONIO | L GUADALUPE RUN-OF-RIVER | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO | L TRINITY AQUIFER BEXAR COUNTY | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L CANYON LAKE/RESERVOIR | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L CARRIZO-WILCOX AQUIFER BEXAR COUNTY | 30 | 40 | 46 | 50 | 52 | 54 |
| SAN ANTONIO WATER SYSTEM | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L DIRECT REUSE | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 179 | 235 | 269 | 291 | 307 | 317 |
| SAN ANTONIO WATER SYSTEM | L GUADALUPE RUN-OF-RIVER | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO WATER SYSTEM | L SAN ANTONIO RUN-OF-RIVER | 64 | 84 | 96 | 104 | 110 | 114 |
| SAN ANTONIO WATER SYSTEM | L TRINITY AQUIFER BEXAR COUNTY | 63 | 82 | 94 | 102 | 107 | 111 |
| SAN ANTONIO WATER SYSTEM | L TRINITY AQUIFER COMAL COUNTY | 4 | 5 | 5 | 6 | 6 | 6 |
| YANCEY WSC | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 508 | 507 | 507 | 507 | 507 | 507 |
| COUNTY-OTHER | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 489 | 489 | 489 | 489 | 489 | 489 |
| COUNTY-OTHER | L TRINITY AQUIFER MEDINA COUNTY | 300 | 300 | 300 | 300 | 300 | 300 |
| MANUFACTURING | L LEONA GRAVEL AQUIFER MEDINA COUNTY | 15 | 15 | 15 | 15 | 15 | 15 |
| MINING | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 277 | 277 | 277 | 277 | 277 | 277 |
| MINING | L LEONA GRAVEL AQUIFER MEDINA COUNTY | 186 | 237 | 331 | 375 | 430 | 491 |
| LIVESTOCK | L LEONA GRAVEL AQUIFER MEDINA COUNTY | 33 | 33 | 33 | 33 | 33 | 33 |

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|--|---|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| MEDINA COUNTY | | | | | | | |
| SAN ANTONIO BASIN | | | | | | | |
| LIVESTOCK | L SAN ANTONIO LIVESTOCK LOCAL SUPPLY | 63 | 63 | 63 | 63 | 63 | 63 |
| LIVESTOCK | L TRINITY AQUIFER MEDINA COUNTY | 27 | 27 | 27 | 27 | 27 | 27 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER MEDINA COUNTY | 26 | 26 | 26 | 26 | 26 | 26 |
| IRRIGATION | L EDWARDS-BFZ AQUIFER MEDINA COUNTY | 4,535 | 4,535 | 4,535 | 4,535 | 4,535 | 4,535 |
| IRRIGATION | L TRINITY AQUIFER MEDINA COUNTY | 1,594 | 1,594 | 1,594 | 1,594 | 1,594 | 1,594 |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY | | 9,170 | 9,327 | 9,487 | 9,573 | 9,658 | 9,740 |
| MEDINA COUNTY TOTAL EXISTING SUPPLY | | 39,542 | 39,873 | 40,176 | 40,398 | 40,649 | 40,910 |
| REFUGIO COUNTY | | | | | | | |
| SAN ANTONIO BASIN | | | | | | | |
| COUNTY-OTHER | L GULF COAST AQUIFER REFUGIO COUNTY | 12 | 12 | 12 | 12 | 12 | 12 |
| MINING | L GULF COAST AQUIFER REFUGIO COUNTY | 3 | 3 | 3 | 2 | 1 | 1 |
| LIVESTOCK | L GULF COAST AQUIFER REFUGIO COUNTY | 16 | 16 | 16 | 16 | 16 | 16 |
| LIVESTOCK | L SAN ANTONIO LIVESTOCK LOCAL SUPPLY | 16 | 16 | 16 | 16 | 16 | 16 |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY | | 47 | 47 | 47 | 46 | 45 | 45 |
| SAN ANTONIO-NUECES BASIN | | | | | | | |
| REFUGIO | L GULF COAST AQUIFER REFUGIO COUNTY | 1,234 | 1,234 | 1,234 | 1,234 | 1,234 | 1,234 |
| WOODSBORO | L GULF COAST AQUIFER REFUGIO COUNTY | 606 | 606 | 606 | 606 | 606 | 606 |
| COUNTY-OTHER | L GULF COAST AQUIFER REFUGIO COUNTY | 511 | 511 | 511 | 511 | 511 | 511 |
| MINING | L GULF COAST AQUIFER REFUGIO COUNTY | 63 | 66 | 48 | 36 | 23 | 14 |
| LIVESTOCK | L GULF COAST AQUIFER REFUGIO COUNTY | 302 | 302 | 302 | 302 | 302 | 302 |
| LIVESTOCK | L SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY | 302 | 302 | 302 | 302 | 302 | 302 |
| IRRIGATION | L GULF COAST AQUIFER REFUGIO COUNTY | 652 | 652 | 652 | 652 | 652 | 652 |
| SAN ANTONIO-NUECES BASIN TOTAL EXISTING SUPPLY | | 3,670 | 3,673 | 3,655 | 3,643 | 3,630 | 3,621 |
| REFUGIO COUNTY TOTAL EXISTING SUPPLY | | 3,717 | 3,720 | 3,702 | 3,689 | 3,675 | 3,666 |
| UVALDE COUNTY | | | | | | | |
| NUECES BASIN | | | | | | | |
| SABINAL | L EDWARDS-BFZ AQUIFER UVALDE COUNTY | 324 | 324 | 324 | 324 | 324 | 324 |
| UVALDE | L EDWARDS-BFZ AQUIFER UVALDE COUNTY | 3,109 | 3,109 | 3,109 | 3,109 | 3,109 | 3,109 |
| COUNTY-OTHER | L BUDA LIMESTONE AQUIFER UVALDE COUNTY | 525 | 525 | 525 | 525 | 525 | 525 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER UVALDE COUNTY | 1,230 | 828 | 828 | 828 | 828 | 828 |
| COUNTY-OTHER | L EDWARDS-BFZ AQUIFER UVALDE COUNTY | 2,418 | 2,418 | 2,418 | 2,418 | 2,418 | 2,418 |
| COUNTY-OTHER | L LEONA GRAVEL AQUIFER UVALDE COUNTY | 160 | 158 | 183 | 220 | 250 | 250 |
| MANUFACTURING | L EDWARDS-BFZ AQUIFER UVALDE COUNTY | 231 | 231 | 231 | 231 | 231 | 231 |
| MANUFACTURING | L LEONA GRAVEL AQUIFER UVALDE COUNTY | 160 | 158 | 183 | 220 | 250 | 250 |
| MINING | L EDWARDS-BFZ AQUIFER UVALDE COUNTY | 192 | 192 | 192 | 192 | 192 | 192 |
| MINING | L LEONA GRAVEL AQUIFER UVALDE COUNTY | 1,584 | 1,723 | 2,085 | 2,722 | 3,372 | 3,682 |
| LIVESTOCK | L EDWARDS-BFZ AQUIFER UVALDE COUNTY | 180 | 180 | 180 | 180 | 180 | 180 |
| LIVESTOCK | L EDWARDS-TRINITY-PLATEAU AQUIFER UVALDE COUNTY | 161 | 161 | 161 | 161 | 161 | 161 |
| LIVESTOCK | L LEONA GRAVEL AQUIFER UVALDE COUNTY | 135 | 135 | 135 | 135 | 135 | 135 |
| LIVESTOCK | L NUECES LIVESTOCK LOCAL SUPPLY | 516 | 516 | 516 | 516 | 516 | 516 |

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|--|---|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| UVALDE COUNTY | | | | | | | |
| NUECES BASIN | | | | | | | |
| LIVESTOCK | L TRINITY AQUIFER UVALDE COUNTY | 39 | 39 | 39 | 39 | 39 | 39 |
| IRRIGATION | L AUSTIN CHALK AQUIFER UVALDE COUNTY | 1,780 | 1,780 | 1,780 | 1,780 | 1,780 | 1,780 |
| IRRIGATION | L EDWARDS-BFZ AQUIFER UVALDE COUNTY | 25,260 | 25,260 | 25,260 | 25,260 | 25,260 | 25,260 |
| IRRIGATION | L EDWARDS-TRINITY-PLATEAU AQUIFER UVALDE COUNTY | 1,474 | 1,474 | 1,474 | 1,474 | 1,474 | 1,474 |
| IRRIGATION | L LEONA GRAVEL AQUIFER UVALDE COUNTY | 7,345 | 7,211 | 6,799 | 6,088 | 4,625 | 2,599 |
| IRRIGATION | L NUECES RUN-OF-RIVER | 720 | 720 | 720 | 720 | 720 | 720 |
| IRRIGATION | L TRINITY AQUIFER UVALDE COUNTY | 600 | 600 | 600 | 600 | 600 | 600 |
| NUECES BASIN TOTAL EXISTING SUPPLY | | 48,143 | 47,742 | 47,742 | 47,742 | 46,989 | 45,273 |
| UVALDE COUNTY TOTAL EXISTING SUPPLY | | 48,143 | 47,742 | 47,742 | 47,742 | 46,989 | 45,273 |
| VICTORIA COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| VICTORIA | L GULF COAST AQUIFER VICTORIA COUNTY | 6,629 | 6,629 | 6,628 | 6,629 | 6,628 | 6,629 |
| COUNTY-OTHER | L GULF COAST AQUIFER VICTORIA COUNTY | 2,032 | 2,032 | 2,032 | 2,032 | 2,032 | 2,032 |
| MANUFACTURING | L GUADALUPE RUN-OF-RIVER | 26,990 | 26,990 | 26,990 | 26,990 | 26,990 | 26,990 |
| MANUFACTURING | L GULF COAST AQUIFER VICTORIA COUNTY | 772 | 772 | 772 | 772 | 772 | 772 |
| MINING | L GULF COAST AQUIFER VICTORIA COUNTY | 36 | 38 | 28 | 21 | 14 | 9 |
| STEAM ELECTRIC POWER | L GULF COAST AQUIFER VICTORIA COUNTY | 1,024 | 1,024 | 1,024 | 1,024 | 1,024 | 1,024 |
| LIVESTOCK | L GUADALUPE LIVESTOCK LOCAL SUPPLY | 339 | 339 | 339 | 339 | 339 | 339 |
| LIVESTOCK | L GULF COAST AQUIFER VICTORIA COUNTY | 196 | 196 | 196 | 196 | 196 | 196 |
| IRRIGATION | L GUADALUPE RUN-OF-RIVER | 400 | 400 | 400 | 400 | 400 | 400 |
| IRRIGATION | L GULF COAST AQUIFER VICTORIA COUNTY | 820 | 820 | 820 | 820 | 820 | 820 |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 39,238 | 39,240 | 39,229 | 39,223 | 39,215 | 39,211 |
| LAVACA BASIN | | | | | | | |
| COUNTY-OTHER | L GULF COAST AQUIFER VICTORIA COUNTY | 7 | 7 | 7 | 7 | 7 | 7 |
| LIVESTOCK | L GULF COAST AQUIFER VICTORIA COUNTY | 3 | 3 | 3 | 3 | 3 | 3 |
| LIVESTOCK | L LAVACA LIVESTOCK LOCAL SUPPLY | 2 | 2 | 2 | 2 | 2 | 2 |
| LAVACA BASIN TOTAL EXISTING SUPPLY | | 12 | 12 | 12 | 12 | 12 | 12 |
| LAVACA-GUADALUPE BASIN | | | | | | | |
| VICTORIA | L GULF COAST AQUIFER VICTORIA COUNTY | 3,206 | 3,206 | 3,207 | 3,206 | 3,207 | 3,206 |
| COUNTY-OTHER | L GULF COAST AQUIFER VICTORIA COUNTY | 1,425 | 1,425 | 1,425 | 1,425 | 1,425 | 1,425 |
| MINING | L GULF COAST AQUIFER VICTORIA COUNTY | 33 | 34 | 26 | 19 | 12 | 8 |
| LIVESTOCK | L GULF COAST AQUIFER VICTORIA COUNTY | 358 | 358 | 358 | 358 | 358 | 358 |
| LIVESTOCK | L LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | 218 | 218 | 218 | 218 | 218 | 218 |
| IRRIGATION | L GULF COAST AQUIFER VICTORIA COUNTY | 17,967 | 17,967 | 17,967 | 17,967 | 17,967 | 17,967 |
| LAVACA-GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 23,207 | 23,208 | 23,201 | 23,193 | 23,187 | 23,182 |
| SAN ANTONIO BASIN | | | | | | | |
| COUNTY-OTHER | L GULF COAST AQUIFER VICTORIA COUNTY | 10 | 10 | 10 | 10 | 10 | 10 |
| MINING | L GULF COAST AQUIFER VICTORIA COUNTY | 3 | 3 | 2 | 1 | 1 | 1 |
| LIVESTOCK | L GULF COAST AQUIFER VICTORIA COUNTY | 25 | 25 | 25 | 25 | 25 | 25 |
| LIVESTOCK | L SAN ANTONIO LIVESTOCK LOCAL SUPPLY | 24 | 24 | 24 | 24 | 24 | 24 |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY | | 62 | 62 | 61 | 60 | 60 | 60 |

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---------------------------------------|--|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| VICTORIA COUNTY TOTAL EXISTING SUPPLY | | 62,519 | 62,522 | 62,503 | 62,488 | 62,474 | 62,465 |
| WILSON COUNTY | | | | | | | |
| GUADALUPE BASIN | | | | | | | |
| NIXON | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 12 | 11 | 11 | 15 | 15 | 14 |
| SUNKO WSC | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 8 | 8 | 8 | 7 | 8 | 7 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 125 | 125 | 125 | 125 | 125 | 125 |
| MINING | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 174 | 139 | 105 | 70 | 36 | 18 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 38 | 38 | 38 | 38 | 38 | 38 |
| LIVESTOCK | L GUADALUPE LIVESTOCK LOCAL SUPPLY | 54 | 54 | 54 | 54 | 54 | 54 |
| LIVESTOCK | L QUEEN CITY AQUIFER WILSON COUNTY | 7 | 7 | 7 | 7 | 7 | 7 |
| LIVESTOCK | L SPARTA AQUIFER WILSON COUNTY | 4 | 4 | 4 | 4 | 4 | 4 |
| LIVESTOCK | L YEGUA-JACKSON AQUIFER WILSON COUNTY | 5 | 5 | 5 | 5 | 5 | 5 |
| GUADALUPE BASIN TOTAL EXISTING SUPPLY | | 427 | 391 | 357 | 325 | 292 | 272 |
| NUECES BASIN | | | | | | | |
| MCCOY WSC | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 70 | 74 | 78 | 81 | 83 | 84 |
| MCCOY WSC | N CARRIZO-WILCOX AQUIFER LIVE OAK COUNTY | 3 | 3 | 3 | 3 | 3 | 3 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 95 | 95 | 95 | 95 | 95 | 95 |
| MINING | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 174 | 139 | 105 | 70 | 36 | 18 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 26 | 26 | 26 | 26 | 26 | 26 |
| LIVESTOCK | L NUECES LIVESTOCK LOCAL SUPPLY | 54 | 54 | 55 | 55 | 56 | 56 |
| LIVESTOCK | L QUEEN CITY AQUIFER WILSON COUNTY | 5 | 5 | 4 | 4 | 3 | 3 |
| LIVESTOCK | L SPARTA AQUIFER WILSON COUNTY | 10 | 10 | 10 | 10 | 10 | 10 |
| LIVESTOCK | L YEGUA-JACKSON AQUIFER WILSON COUNTY | 13 | 13 | 13 | 13 | 13 | 13 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 4,800 | 4,300 | 3,800 | 3,400 | 3,000 | 2,800 |
| IRRIGATION | L QUEEN CITY AQUIFER WILSON COUNTY | 127 | 112 | 100 | 89 | 80 | 80 |
| IRRIGATION | L YEGUA-JACKSON AQUIFER WILSON COUNTY | 28 | 28 | 28 | 28 | 28 | 28 |
| NUECES BASIN TOTAL EXISTING SUPPLY | | 5,405 | 4,859 | 4,317 | 3,874 | 3,433 | 3,216 |
| SAN ANTONIO BASIN | | | | | | | |
| EAST CENTRAL SUD | L CANYON LAKE/RESERVOIR | 80 | 83 | 84 | 83 | 81 | 78 |
| EAST CENTRAL SUD | L CARRIZO-WILCOX AQUIFER GONZALES COUNTY | 75 | 81 | 85 | 88 | 90 | 91 |
| EAST CENTRAL SUD | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 342 | 372 | 394 | 410 | 424 | 433 |
| EL OSO WSC | L CARRIZO-WILCOX AQUIFER KARNES COUNTY | 14 | 18 | 22 | 25 | 28 | 31 |
| EL OSO WSC | L GULF COAST AQUIFER KARNES COUNTY | 20 | 24 | 27 | 31 | 33 | 36 |
| EL OSO WSC | N GULF COAST AQUIFER BEE COUNTY | 7 | 8 | 9 | 10 | 11 | 13 |
| EL OSO WSC | N GULF COAST AQUIFER LIVE OAK COUNTY | 20 | 24 | 28 | 32 | 35 | 38 |
| ELMENDORF | L EDWARDS-BFZ AQUIFER BEXAR COUNTY | 3 | 3 | 4 | 4 | 4 | 5 |
| FLORESVILLE | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 2,336 | 2,336 | 2,336 | 2,336 | 2,336 | 2,336 |

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|---|--|--------------------------------------|--------|--------|--------|--------|--------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| WILSON COUNTY | | | | | | | |
| SAN ANTONIO BASIN | | | | | | | |
| LA VERNIA | L CANYON LAKE/RESERVOIR | 34 | 34 | 34 | 34 | 34 | 34 |
| LA VERNIA | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 146 | 146 | 146 | 146 | 146 | 146 |
| LA VERNIA | L GUADALUPE RUN-OF-RIVER | 130 | 130 | 130 | 130 | 130 | 130 |
| MCCOY WSC | L CARRIZO-WILCOX AQUIFER ATASCOSA COUNTY | 7 | 7 | 7 | 7 | 7 | 7 |
| MCCOY WSC | N CARRIZO-WILCOX AQUIFER LIVE OAK COUNTY | 0 | 0 | 0 | 0 | 0 | 0 |
| OAK HILLS WSC | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 1,863 | 1,863 | 1,863 | 1,863 | 1,863 | 1,863 |
| POTH | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 1,303 | 1,303 | 1,303 | 1,303 | 1,303 | 1,303 |
| S S WSC | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 3,593 | 3,593 | 3,593 | 3,593 | 3,593 | 3,593 |
| STOCKDALE | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 1,762 | 1,762 | 1,762 | 1,762 | 1,762 | 1,762 |
| SUNKO WSC | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 1,248 | 1,255 | 1,262 | 1,268 | 1,271 | 1,274 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 2,665 | 2,665 | 2,665 | 2,665 | 2,665 | 2,665 |
| COUNTY-OTHER | L SAN ANTONIO RUN-OF-RIVER | 42 | 42 | 42 | 42 | 42 | 42 |
| MANUFACTURING | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 10 | 10 | 10 | 10 | 10 | 10 |
| MINING | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 1,581 | 1,270 | 955 | 642 | 327 | 168 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 422 | 422 | 422 | 422 | 422 | 422 |
| LIVESTOCK | L QUEEN CITY AQUIFER WILSON COUNTY | 198 | 198 | 198 | 198 | 198 | 198 |
| LIVESTOCK | L SAN ANTONIO LIVESTOCK LOCAL SUPPLY | 759 | 759 | 759 | 759 | 759 | 759 |
| LIVESTOCK | L YEGUA-JACKSON AQUIFER WILSON COUNTY | 142 | 142 | 142 | 142 | 142 | 142 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER WILSON COUNTY | 8,500 | 7,500 | 6,500 | 5,500 | 4,500 | 3,500 |
| IRRIGATION | L SAN ANTONIO RUN-OF-RIVER | 1,728 | 1,728 | 1,728 | 1,728 | 1,728 | 1,728 |
| IRRIGATION | L YEGUA-JACKSON AQUIFER WILSON COUNTY | 84 | 84 | 84 | 84 | 84 | 84 |
| SAN ANTONIO BASIN TOTAL EXISTING SUPPLY | | 29,114 | 27,862 | 26,594 | 25,317 | 24,028 | 22,891 |
| WILSON COUNTY TOTAL EXISTING SUPPLY | | 34,946 | 33,112 | 31,268 | 29,516 | 27,753 | 26,379 |
| ZAVALA COUNTY | | | | | | | |
| NUECES BASIN | | | | | | | |
| CRYSTAL CITY | L CARRIZO-WILCOX AQUIFER ZAVALA COUNTY | 3,523 | 3,523 | 3,523 | 3,523 | 3,523 | 3,523 |
| ZAVALA COUNTY WCID #1 | L CARRIZO-WILCOX AQUIFER ZAVALA COUNTY | 1,272 | 1,272 | 1,272 | 1,272 | 1,272 | 1,272 |
| COUNTY-OTHER | L CARRIZO-WILCOX AQUIFER ZAVALA COUNTY | 900 | 900 | 900 | 900 | 900 | 900 |
| MANUFACTURING | L CARRIZO-WILCOX AQUIFER ZAVALA COUNTY | 1,434 | 1,434 | 1,434 | 1,434 | 1,434 | 1,434 |
| MINING | L CARRIZO-WILCOX AQUIFER ZAVALA COUNTY | 2,531 | 2,257 | 1,977 | 1,559 | 932 | 557 |
| LIVESTOCK | L CARRIZO-WILCOX AQUIFER ZAVALA COUNTY | 464 | 464 | 464 | 464 | 464 | 464 |
| LIVESTOCK | L NUECES LIVESTOCK LOCAL SUPPLY | 594 | 594 | 594 | 594 | 594 | 594 |
| IRRIGATION | L CARRIZO-WILCOX AQUIFER ZAVALA COUNTY | 25,735 | 25,670 | 25,817 | 26,136 | 26,443 | 26,819 |
| NUECES BASIN TOTAL EXISTING SUPPLY | | 36,453 | 36,114 | 35,981 | 35,882 | 35,562 | 35,563 |

EXISTING WATER SUPPLY

| REGION L | SOURCE REGION SOURCE NAME | EXISTING SUPPLY (ACRE-FEET PER YEAR) | | | | | |
|-------------------------------------|-----------------------------|--------------------------------------|-----------|-----------|-----------|-----------|-----------|
| | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| ZAVALA COUNTY TOTAL EXISTING SUPPLY | | 36,453 | 36,114 | 35,981 | 35,882 | 35,562 | 35,563 |
| REGION L TOTAL EXISTING SUPPLY | | 1,036,119 | 1,034,667 | 1,026,477 | 1,021,697 | 1,015,773 | 1,011,956 |

Region L

TWDB DB17 Identified Water Need/ Surplus Report

WUG NEEDS/SURPLUS

| REGION L | WUG NEEDS/SURPLUS (ACRE-FEET PER YEAR) | | | | | |
|--|--|----------------|----------------|----------------|----------------|----------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| ATASCOSA COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| BENTON CITY WSC | 533 | 406 | 294 | 185 | 82 | (13) |
| CHARLOTTE | 346 | 304 | 265 | 223 | 182 | 143 |
| JOURDANTON | 1,135 | 1,011 | 896 | 777 | 660 | 550 |
| LYTLE | (134) | (198) | (254) | (310) | (365) | (418) |
| MCCOY WSC | 623 | 517 | 415 | 310 | 203 | 102 |
| PLEASANTON | 1,494 | 1,195 | 918 | 634 | 354 | 92 |
| POTEET | 946 | 895 | 847 | 795 | 740 | 688 |
| SAN ANTONIO WATER SYSTEM | (56) | (142) | (222) | (307) | (389) | (472) |
| COUNTY-OTHER | 469 | 376 | 288 | 193 | 94 | 1 |
| MANUFACTURING | 0 | 0 | 0 | 0 | 0 | 0 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| STEAM ELECTRIC POWER | 3,848 | 2,554 | 2,658 | 1,319 | 983 | 836 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| NUECES BASIN TOTAL NEEDS/SURPLUS | 9,204 | 6,918 | 6,105 | 3,819 | 2,544 | 1,509 |
| SAN ANTONIO BASIN | | | | | | |
| BENTON CITY WSC | 66 | 50 | 36 | 23 | 10 | (2) |
| COUNTY-OTHER | 42 | 33 | 26 | 17 | 8 | 0 |
| IRRIGATION | (85) | (76) | (67) | (59) | (51) | (44) |
| SAN ANTONIO BASIN TOTAL NEEDS/SURPLUS | 23 | 7 | (5) | (19) | (33) | (46) |
| ATASCOSA COUNTY TOTAL NEEDS/SURPLUS | 9,227 | 6,925 | 6,100 | 3,800 | 2,511 | 1,463 |
| BEXAR COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| ATASCOSA RURAL WSC | (64) | (79) | (93) | (107) | (121) | (134) |
| LYTLE | (3) | (6) | (8) | (11) | (13) | (15) |
| COUNTY-OTHER | (1,190) | (1,324) | (1,460) | (1,603) | (1,742) | (1,870) |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (1,063) | (1,008) | (956) | (905) | (857) | (814) |
| NUECES BASIN TOTAL NEEDS/SURPLUS | (2,320) | (2,417) | (2,517) | (2,626) | (2,733) | (2,833) |
| SAN ANTONIO BASIN | | | | | | |
| ALAMO HEIGHTS | (796) | (848) | (820) | (807) | (805) | (805) |
| ATASCOSA RURAL WSC | (1,103) | (1,367) | (1,615) | (1,863) | (2,097) | (2,314) |
| BALCONES HEIGHTS | 0 | 0 | 0 | 0 | 0 | 0 |
| CASTLE HILLS | 0 | 0 | 0 | 0 | 0 | 0 |
| CHINA GROVE | 0 | 0 | 0 | 0 | 0 | 0 |
| CONVERSE | (903) | (1,111) | (1,297) | (1,272) | (1,265) | (1,264) |
| EAST CENTRAL SUD | 2,932 | 2,720 | 2,528 | 2,337 | 2,145 | 1,972 |
| ELMENDORF | 0 | 0 | 0 | 0 | 0 | 0 |
| FAIR OAKS RANCH | 1,079 | 790 | 581 | 464 | 286 | 133 |
| GREEN VALLEY SUD | (149) | (170) | (190) | (212) | (239) | (263) |
| HELOTES | 0 | 0 | 0 | 0 | 0 | 0 |
| HILL COUNTRY VILLAGE | 0 | 0 | 0 | 0 | 0 | 0 |
| HOLLYWOOD PARK | 0 | 0 | 0 | 0 | 0 | 0 |
| KIRBY | (137) | (207) | (181) | (172) | (169) | (169) |
| LACKLAND AFB | 946 | 987 | 1,019 | 1,038 | 1,041 | 1,041 |
| LEON VALLEY | (97) | (147) | (196) | (254) | (317) | (377) |

WUG NEEDS/SURPLUS

| REGION L | WUG NEEDS/SURPLUS (ACRE-FEET PER YEAR) | | | | | |
|--|--|-----------------|------------------|------------------|------------------|------------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| BEXAR COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| LIVE OAK | 512 | 505 | 532 | 547 | 551 | 551 |
| OLMOS PARK | 0 | 0 | 0 | 0 | 0 | 0 |
| RANDOLPH AFB | 1,903 | 1,891 | 1,879 | 1,868 | 1,858 | 1,849 |
| SAN ANTONIO | (60,968) | (82,334) | (109,022) | (132,626) | (156,043) | (177,812) |
| SAN ANTONIO WATER SYSTEM | (2,235) | (5,428) | (8,436) | (11,470) | (14,429) | (17,160) |
| SCHERTZ | 35 | (38) | (98) | (166) | (242) | (318) |
| SELMA | 348 | (7) | (58) | (109) | (158) | (207) |
| SHAVANO PARK | (425) | (555) | (677) | (797) | (909) | (1,013) |
| SOMERSET | 0 | 0 | 0 | 0 | 0 | 0 |
| ST. HEDWIG | 0 | 0 | 0 | 0 | 0 | 0 |
| TERRELL HILLS | 0 | 0 | 0 | 0 | 0 | 0 |
| THE OAKS WSC | 121 | 58 | (1) | (60) | (114) | (165) |
| UNIVERSAL CITY | (416) | (431) | (372) | (339) | (333) | (332) |
| VON ORMY | 70 | 57 | 45 | 32 | 19 | 6 |
| WATER SERVICES INC | 402 | 337 | 274 | 206 | 139 | 78 |
| WINDCREST | (326) | (343) | (361) | (388) | (420) | (451) |
| COUNTY-OTHER | 5,527 | 3,909 | 1,993 | (295) | (2,340) | (4,214) |
| MANUFACTURING | 8,666 | 6,139 | 3,601 | 1,368 | (1,058) | (3,680) |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| STEAM ELECTRIC POWER | 23,685 | 19,399 | 16,625 | 13,545 | 10,125 | 6,374 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (4,128) | (3,692) | (3,273) | (2,873) | (2,489) | (2,152) |
| SAN ANTONIO BASIN TOTAL NEEDS/SURPLUS | (25,457) | (59,886) | (97,520) | (132,298) | (167,263) | (200,692) |
| BEXAR COUNTY TOTAL NEEDS/SURPLUS | (27,777) | (62,303) | (100,037) | (134,924) | (169,996) | (203,525) |
| CALDWELL COUNTY | | | | | | |
| COLORADO BASIN | | | | | | |
| AQUA WSC | 11 | 0 | (13) | (27) | (40) | (55) |
| CREEDMOOR-MAHA WSC | (37) | (56) | (75) | (96) | (120) | (143) |
| MUSTANG RIDGE | 0 | 0 | 0 | 0 | 0 | 0 |
| POLONIA WSC | 118 | 65 | 11 | (45) | (104) | (164) |
| COUNTY-OTHER | 182 | 173 | 163 | 154 | 143 | 133 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 2 | 4 | 6 | 7 | 8 |
| COLORADO BASIN TOTAL NEEDS/SURPLUS | 274 | 184 | 90 | (8) | (114) | (221) |
| GUADALUPE BASIN | | | | | | |
| AQUA WSC | 59 | (4) | (74) | (151) | (231) | (311) |
| COUNTY LINE WSC | 137 | 96 | 50 | 3 | (42) | (86) |
| CREEDMOOR-MAHA WSC | (9) | (13) | (19) | (25) | (31) | (37) |
| GOFORTH SUD | 74 | 58 | 41 | 22 | 7 | (9) |
| GONZALES COUNTY WSC | 4 | 0 | (7) | (14) | (7) | (16) |
| LOCKHART | (188) | (613) | (1,042) | (1,484) | (1,947) | (2,402) |
| LULING | 133 | (41) | (217) | (400) | (594) | (784) |
| MARTINDALE | 3 | (31) | (66) | (102) | (140) | (177) |
| MAXWELL WSC | 624 | 578 | 519 | 448 | 368 | 286 |
| MUSTANG RIDGE | 0 | 0 | 0 | 0 | 0 | 0 |

WUG NEEDS/SURPLUS

| REGION L | WUG NEEDS/SURPLUS (ACRE-FEET PER YEAR) | | | | | |
|---|--|----------------|----------------|----------------|-----------------|-----------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| CALDWELL COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| NIEDERWALD | (13) | (16) | (20) | (23) | (26) | (29) |
| POLONIA WSC | 250 | 139 | 24 | (95) | (221) | (348) |
| SAN MARCOS | 1 | 0 | (1) | (1) | (2) | (3) |
| UHLAND | 0 | 0 | 0 | 0 | 0 | 0 |
| COUNTY-OTHER | 1,108 | 986 | 862 | 732 | 596 | 462 |
| MANUFACTURING | 5 | 4 | 3 | 2 | 1 | 0 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 34 | 101 | 160 | 213 | 261 | 294 |
| GUADALUPE BASIN TOTAL NEEDS/SURPLUS | 2,222 | 1,244 | 213 | (875) | (2,008) | (3,160) |
| CALDWELL COUNTY TOTAL NEEDS/SURPLUS | 2,496 | 1,428 | 303 | (883) | (2,122) | (3,381) |
| CALHOUN COUNTY | | | | | | |
| COLORADO-LAVACA BASIN | | | | | | |
| POINT COMFORT | 91 | 86 | 79 | 71 | 63 | 54 |
| COUNTY-OTHER | 76 | 69 | 59 | 50 | 41 | 31 |
| MANUFACTURING | 5,827 | 3,419 | 1,032 | (1,075) | (3,732) | (6,032) |
| MINING | 2 | 0 | 8 | 13 | 19 | 22 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (564) | (482) | (427) | (388) | (351) | (313) |
| COLORADO-LAVACA BASIN TOTAL NEEDS/SURPLUS | 5,432 | 3,092 | 751 | (1,329) | (3,960) | (6,238) |
| GUADALUPE BASIN | | | | | | |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE BASIN TOTAL NEEDS/SURPLUS | 0 | 0 | 0 | 0 | 0 | 0 |
| LAVACA-GUADALUPE BASIN | | | | | | |
| CALHOUN COUNTY WS | 1,144 | 1,124 | 1,102 | 1,075 | 1,043 | 1,010 |
| PORT LAVACA | 2,553 | 2,400 | 2,243 | 2,072 | 1,882 | 1,694 |
| PORT O'CONNOR MUD | 1,210 | 1,204 | 1,197 | 1,188 | 1,178 | 1,168 |
| SEADRIFT | 472 | 450 | 428 | 404 | 379 | 354 |
| COUNTY-OTHER | 90 | 80 | 65 | 51 | 36 | 23 |
| MANUFACTURING | 4,609 | 2,639 | 686 | (1,038) | (3,213) | (5,094) |
| MINING | 1 | 0 | 6 | 12 | 17 | 21 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (11,697) | (10,243) | (9,258) | (8,552) | (7,894) | (7,206) |
| LAVACA-GUADALUPE BASIN TOTAL NEEDS/SURPLUS | (1,618) | (2,346) | (3,531) | (4,788) | (6,572) | (8,030) |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| COUNTY-OTHER | 15 | 14 | 13 | 12 | 11 | 10 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (12) | (11) | (10) | (9) | (9) | (8) |
| SAN ANTONIO-NUECES BASIN TOTAL NEEDS/SURPLUS | 3 | 3 | 3 | 3 | 2 | 2 |
| CALHOUN COUNTY TOTAL NEEDS/SURPLUS | 3,817 | 749 | (2,777) | (6,114) | (10,530) | (14,266) |
| COMAL COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| BULVERDE | 0 | 0 | 0 | 0 | 0 | 0 |

WUG NEEDS/SURPLUS

| REGION L | WUG NEEDS/SURPLUS (ACRE-FEET PER YEAR) | | | | | |
|--|--|----------------|----------------|-----------------|-----------------|-----------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| COMAL COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| CANYON LAKE WATER SERVICE COMPANY | 4,644 | 3,376 | 2,057 | 711 | (641) | (1,948) |
| CRYSTAL CLEAR WSC | 40 | (5) | (54) | (103) | (156) | (207) |
| GARDEN RIDGE | (653) | (1,021) | (1,398) | (1,780) | (2,161) | (2,528) |
| GREEN VALLEY SUD | (17) | (21) | (26) | (32) | (39) | (45) |
| NEW BRAUNFELS | 1,557 | (1,176) | (4,032) | (6,971) | (9,956) | (12,850) |
| SAN ANTONIO WATER SYSTEM | (53) | (168) | (314) | (492) | (688) | (888) |
| SCHERTZ | 38 | (50) | (154) | (296) | (488) | (700) |
| COUNTY-OTHER | 566 | 598 | 666 | 695 | 762 | 809 |
| MANUFACTURING | (4,331) | (5,075) | (5,799) | (6,419) | (7,291) | (8,236) |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 493 | 528 | 563 | 598 | 632 | 652 |
| GUADALUPE BASIN TOTAL NEEDS/SURPLUS | 2,284 | (3,014) | (8,491) | (14,089) | (20,026) | (25,941) |
| SAN ANTONIO BASIN | | | | | | |
| BULVERDE | 0 | 0 | 0 | 0 | 0 | 0 |
| CANYON LAKE WATER SERVICE COMPANY | 1,150 | 835 | 509 | 176 | (158) | (483) |
| FAIR OAKS RANCH | 88 | 71 | 56 | 50 | 33 | 16 |
| GARDEN RIDGE | (370) | (578) | (790) | (1,006) | (1,222) | (1,429) |
| SAN ANTONIO WATER SYSTEM | (45) | (144) | (269) | (420) | (590) | (767) |
| SCHERTZ | 1 | (1) | (4) | (6) | (11) | (18) |
| SELMA | 3 | (1) | 1 | 0 | 0 | (1) |
| COUNTY-OTHER | 92 | 69 | 33 | 24 | 2 | 6 |
| MANUFACTURING | 201 | 194 | 187 | 180 | 171 | 162 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 3 | 7 | 11 | 15 | 18 | 21 |
| SAN ANTONIO BASIN TOTAL NEEDS/SURPLUS | 1,123 | 452 | (266) | (987) | (1,757) | (2,493) |
| COMAL COUNTY TOTAL NEEDS/SURPLUS | 3,407 | (2,562) | (8,757) | (15,076) | (21,783) | (28,434) |
| DEWITT COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| CUERO | 1,847 | 1,813 | 1,810 | 1,794 | 2,100 | 2,087 |
| GONZALES COUNTY WSC | 9 | 0 | (9) | (18) | (8) | (15) |
| YORKTOWN | 525 | 524 | 526 | 523 | 584 | 582 |
| COUNTY-OTHER | 45 | 46 | 58 | 59 | 214 | 208 |
| MANUFACTURING | 125 | 103 | 82 | 64 | 34 | 1 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE BASIN TOTAL NEEDS/SURPLUS | 2,551 | 2,486 | 2,467 | 2,422 | 2,924 | 2,863 |
| LAVACA BASIN | | | | | | |
| YOAKUM | 3 | 0 | 3 | 2 | 56 | 54 |
| COUNTY-OTHER | 3 | 5 | 15 | 24 | 52 | 51 |
| MANUFACTURING | 94 | 83 | 80 | 82 | 64 | 43 |
| MINING | (44) | (38) | (16) | (2) | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |

WUG NEEDS/SURPLUS

| REGION L | WUG NEEDS/SURPLUS (ACRE-FEET PER YEAR) | | | | | |
|---|--|----------------|----------------|----------------|----------------|----------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| DEWITT COUNTY | | | | | | |
| LAVACA BASIN | | | | | | |
| IRRIGATION | (74) | (68) | (39) | (6) | 0 | 0 |
| LAVACA BASIN TOTAL NEEDS/SURPLUS | (18) | (18) | 43 | 100 | 172 | 148 |
| LAVACA-GUADALUPE BASIN | | | | | | |
| COUNTY-OTHER | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| LAVACA-GUADALUPE BASIN TOTAL NEEDS/SURPLUS | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO BASIN | | | | | | |
| COUNTY-OTHER | 1 | 1 | 2 | 2 | 14 | 13 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO BASIN TOTAL NEEDS/SURPLUS | 1 | 1 | 2 | 2 | 14 | 13 |
| DEWITT COUNTY TOTAL NEEDS/SURPLUS | 2,534 | 2,469 | 2,512 | 2,524 | 3,110 | 3,024 |
| DIMMIT COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| ASHERTON | (28) | (46) | (61) | (77) | 33 | 26 |
| BIG WELLS | 77 | 70 | 66 | 59 | 113 | 110 |
| CARRIZO SPRINGS | (267) | (399) | (476) | (578) | 147 | 100 |
| COUNTY-OTHER | (296) | (325) | (338) | (360) | (170) | (183) |
| MINING | (4,172) | (4,243) | (3,667) | (2,355) | (1,047) | (438) |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (2,695) | (2,643) | (2,443) | (2,238) | (2,041) | (1,907) |
| NUECES BASIN TOTAL NEEDS/SURPLUS | (7,381) | (7,586) | (6,919) | (5,549) | (2,965) | (2,292) |
| RIO GRANDE BASIN | | | | | | |
| COUNTY-OTHER | (1) | (1) | (2) | (2) | (1) | (1) |
| MINING | (654) | (665) | (577) | (376) | (175) | (81) |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (677) | (669) | (639) | (608) | (579) | (559) |
| RIO GRANDE BASIN TOTAL NEEDS/SURPLUS | (1,332) | (1,335) | (1,218) | (986) | (755) | (641) |
| DIMMIT COUNTY TOTAL NEEDS/SURPLUS | (8,713) | (8,921) | (8,137) | (6,535) | (3,720) | (2,933) |
| FRIO COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| BENTON CITY WSC | 38 | 27 | 19 | 12 | 5 | (1) |
| DILLEY | 1,082 | 997 | 922 | 844 | 770 | 702 |
| PEARSALL | 710 | 550 | 408 | 259 | 115 | (19) |
| COUNTY-OTHER | 492 | 461 | 418 | 377 | 340 | 305 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| STEAM ELECTRIC POWER | 0 | 138 | 157 | 397 | 366 | 392 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| NUECES BASIN TOTAL NEEDS/SURPLUS | 2,322 | 2,173 | 1,924 | 1,889 | 1,596 | 1,379 |
| FRIO COUNTY TOTAL NEEDS/SURPLUS | 2,322 | 2,173 | 1,924 | 1,889 | 1,596 | 1,379 |

WUG NEEDS/SURPLUS

| REGION L | WUG NEEDS/SURPLUS (ACRE-FEET PER YEAR) | | | | | |
|---|--|---------------|---------------|---------------|---------------|---------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| GOLIAD COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| COUNTY-OTHER | 87 | 42 | 14 | 4 | 153 | 148 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| STEAM ELECTRIC POWER | 13,880 | 13,880 | 13,880 | 13,880 | 13,880 | 13,880 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 167 | 167 | 167 | 167 | 167 | 167 |
| GUADALUPE BASIN TOTAL NEEDS/SURPLUS | 14,134 | 14,089 | 14,061 | 14,051 | 14,200 | 14,195 |
| SAN ANTONIO BASIN | | | | | | |
| GOLIAD | 193 | 130 | 91 | 75 | 260 | 253 |
| COUNTY-OTHER | 70 | 33 | 9 | 1 | 126 | 121 |
| MANUFACTURING | 88 | 71 | 54 | 37 | 20 | 0 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 907 | 907 | 907 | 907 | 907 | 907 |
| SAN ANTONIO BASIN TOTAL NEEDS/SURPLUS | 1,258 | 1,141 | 1,061 | 1,020 | 1,313 | 1,281 |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| COUNTY-OTHER | 20 | 9 | 3 | 1 | 33 | 33 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO-NUECES BASIN TOTAL NEEDS/SURPLUS | 20 | 9 | 3 | 1 | 33 | 33 |
| GOLIAD COUNTY TOTAL NEEDS/SURPLUS | 15,412 | 15,239 | 15,125 | 15,072 | 15,546 | 15,509 |
| GONZALES COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| GONZALES | 385 | 210 | 40 | (174) | (92) | (310) |
| GONZALES COUNTY WSC | 165 | (3) | (192) | (385) | (187) | (374) |
| NIXON | 2,199 | 2,171 | 2,142 | 2,100 | 2,091 | 2,048 |
| SMILEY | 89 | 79 | 69 | 55 | 61 | 48 |
| WAELEDER | 373 | 356 | 339 | 318 | 327 | 305 |
| COUNTY-OTHER | 137 | 119 | 85 | 45 | 76 | 37 |
| MANUFACTURING | 716 | 593 | 473 | 367 | 224 | 71 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 1,190 | 1,523 | 1,811 | 2,058 | 2,270 | 2,410 |
| GUADALUPE BASIN TOTAL NEEDS/SURPLUS | 5,254 | 5,048 | 4,767 | 4,384 | 4,770 | 4,235 |
| LAVACA BASIN | | | | | | |
| COUNTY-OTHER | 13 | 12 | 10 | 9 | 9 | 8 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| LAVACA BASIN TOTAL NEEDS/SURPLUS | 13 | 12 | 10 | 9 | 9 | 8 |
| GONZALES COUNTY TOTAL NEEDS/SURPLUS | 5,267 | 5,060 | 4,777 | 4,393 | 4,779 | 4,243 |
| GUADALUPE COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| CRYSTAL CLEAR WSC | 217 | (32) | (310) | (613) | (937) | (1,265) |
| GONZALES COUNTY WSC | 3 | 0 | (4) | (8) | (4) | (8) |
| GREEN VALLEY SUD | (529) | (639) | (761) | (897) | (1,050) | (1,204) |
| LULING | 1 | 0 | (1) | (2) | (2) | (3) |

WUG NEEDS/SURPLUS

| REGION L | WUG NEEDS/SURPLUS (ACRE-FEET PER YEAR) | | | | | |
|--|--|----------------|----------------|-----------------|-----------------|-----------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| GUADALUPE COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| NEW BRAUNFELS | 318 | (231) | (771) | (1,303) | (1,835) | (2,346) |
| SANTA CLARA | 20 | 17 | 14 | 12 | 9 | 6 |
| SCHERTZ | 71 | (82) | (194) | (304) | (420) | (532) |
| SEGUIN | 3,834 | 3,078 | 2,333 | 1,673 | 971 | 280 |
| SPRINGS HILL WSC | 3,761 | 3,525 | 3,173 | 2,630 | 2,048 | 1,464 |
| COUNTY-OTHER | 1,506 | 1,648 | 1,532 | 1,490 | 1,453 | 1,417 |
| MANUFACTURING | 658 | 362 | 78 | (167) | (497) | (855) |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| STEAM ELECTRIC POWER | 7,808 | 8,851 | 8,656 | 8,207 | 6,277 | 5,421 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 1,156 | 1,195 | 1,232 | 1,243 | 1,245 | 1,262 |
| GUADALUPE BASIN TOTAL NEEDS/SURPLUS | 18,824 | 17,692 | 14,977 | 11,961 | 7,258 | 3,637 |
| SAN ANTONIO BASIN | | | | | | |
| CIBOLO | (1,767) | (4,247) | (5,572) | (6,871) | (8,197) | (9,499) |
| EAST CENTRAL SUD | 209 | 211 | 209 | 204 | 197 | 189 |
| GREEN VALLEY SUD | (387) | (467) | (556) | (655) | (767) | (879) |
| MARION | 168 | 143 | 116 | 87 | 57 | 27 |
| NEW BERLIN | 0 | 0 | 0 | 0 | 0 | 0 |
| SANTA CLARA | 119 | 105 | 89 | 73 | 56 | 39 |
| SCHERTZ | 884 | (1,012) | (2,418) | (3,811) | (5,253) | (6,650) |
| SELMA | 165 | (8) | (47) | (82) | (112) | (137) |
| SPRINGS HILL WSC | 506 | 476 | 428 | 355 | 277 | 197 |
| WATER SERVICES INC | 24 | 22 | 19 | 15 | 11 | 6 |
| COUNTY-OTHER | 377 | 342 | 293 | 274 | 257 | 242 |
| MANUFACTURING | 6 | 5 | 4 | 4 | 3 | 1 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 1 | 9 | 17 | 20 | 20 | 24 |
| SAN ANTONIO BASIN TOTAL NEEDS/SURPLUS | 305 | (4,421) | (7,418) | (10,387) | (13,451) | (16,440) |
| GUADALUPE COUNTY TOTAL NEEDS/SURPLUS | 19,129 | 13,271 | 7,559 | 1,574 | (6,193) | (12,803) |
| HAYS COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| BUDA | 23 | (66) | (177) | (317) | (476) | (657) |
| COUNTY LINE WSC | 301 | 228 | 132 | 6 | (138) | (306) |
| CREEDMOOR-MAHA WSC | (3) | (5) | (7) | (11) | (14) | (19) |
| CRYSTAL CLEAR WSC | 84 | (13) | (118) | (243) | (388) | (551) |
| GOFORTH SUD | 2,519 | 2,113 | 1,625 | 1,014 | 320 | (468) |
| KYLE | 1,176 | (1,348) | (2,801) | (2,787) | (2,776) | (2,772) |
| MAXWELL WSC | 176 | 144 | 120 | 101 | 83 | 64 |
| MOUNTAIN CITY | 4 | (1) | (7) | (17) | (29) | (42) |
| NIEDERWALD | (49) | (65) | (85) | (111) | (140) | (174) |
| PLUM CREEK WATER COMPANY | 203 | (148) | (145) | (143) | (141) | (139) |
| SAN MARCOS | 1,867 | (140) | (2,629) | (5,685) | (9,405) | (13,855) |
| UHLAND | 0 | 0 | 0 | 0 | 0 | 0 |
| WIMBERLEY | 218 | 44 | (174) | (456) | (778) | (1,146) |
| WIMBERLEY WSC | 233 | 26 | (236) | (564) | (934) | (1,356) |

WUG NEEDS/SURPLUS

| REGION L | WUG NEEDS/SURPLUS (ACRE-FEET PER YEAR) | | | | | |
|---|--|--------------|--------------|----------------|-----------------|-----------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| HAYS COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| WOODCREEK | 716 | 687 | 649 | 599 | 540 | 473 |
| COUNTY-OTHER | 3,041 | 2,821 | 541 | (1,169) | (6,714) | (12,872) |
| MANUFACTURING | (107) | (122) | (138) | (152) | (165) | (179) |
| STEAM ELECTRIC POWER | 4,646 | 4,411 | 3,394 | 2,668 | 1,688 | 353 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 88 | 94 | 100 | 106 | 112 | 118 |
| GUADALUPE BASIN TOTAL NEEDS/SURPLUS | 15,136 | 8,660 | 44 | (7,161) | (19,355) | (33,528) |
| HAYS COUNTY TOTAL NEEDS/SURPLUS | 15,136 | 8,660 | 44 | (7,161) | (19,355) | (33,528) |
| KARNES COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| EL OSO WSC | 5 | 2 | 2 | 2 | 5 | 2 |
| COUNTY-OTHER | 14 | 14 | 14 | 14 | 15 | 15 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 3 | 5 | 8 | 10 | 12 | 13 |
| GUADALUPE BASIN TOTAL NEEDS/SURPLUS | 22 | 21 | 24 | 26 | 32 | 30 |
| NUECES BASIN | | | | | | |
| EL OSO WSC | 10 | 9 | 11 | 11 | 12 | 12 |
| COUNTY-OTHER | 9 | 9 | 9 | 9 | 9 | 9 |
| MINING | (217) | (156) | (94) | (35) | 24 | 26 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 4 | 7 | 11 | 14 | 16 |
| NUECES BASIN TOTAL NEEDS/SURPLUS | (198) | (134) | (67) | (4) | 59 | 63 |
| SAN ANTONIO BASIN | | | | | | |
| EL OSO WSC | 321 | 326 | 333 | 337 | 350 | 343 |
| FALLS CITY | 73 | 85 | 97 | 103 | 111 | 111 |
| KARNES CITY | (336) | (322) | (298) | (285) | (249) | (249) |
| KENEDY | (161) | (189) | (179) | (178) | (151) | (151) |
| RUNGE | 43 | 41 | 45 | 46 | 47 | 47 |
| SUNKO WSC | 20 | 12 | 5 | 2 | 0 | (2) |
| COUNTY-OTHER | 9 | 2 | 8 | 11 | 23 | 23 |
| MANUFACTURING | 58 | 53 | 49 | 46 | 28 | 17 |
| MINING | (1,581) | (1,094) | (589) | (89) | 17 | 29 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 187 | 241 | 291 | 335 | 375 | 406 |
| SAN ANTONIO BASIN TOTAL NEEDS/SURPLUS | (1,367) | (845) | (238) | 328 | 551 | 574 |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| EL OSO WSC | 4 | 4 | 4 | 4 | 4 | 4 |
| COUNTY-OTHER | 14 | 14 | 14 | 14 | 14 | 14 |
| MINING | (66) | (42) | (17) | 9 | 9 | 1 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 2 | 3 | 4 | 5 | 6 |
| SAN ANTONIO-NUECES BASIN TOTAL NEEDS/SURPLUS | (48) | (22) | 4 | 31 | 32 | 25 |
| KARNES COUNTY TOTAL NEEDS/SURPLUS | (1,591) | (980) | (277) | 381 | 674 | 692 |

WUG NEEDS/SURPLUS

| REGION L | WUG NEEDS/SURPLUS (ACRE-FEET PER YEAR) | | | | | |
|--|--|-----------------|-----------------|-----------------|-----------------|-----------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| KENDALL COUNTY | | | | | | |
| COLORADO BASIN | | | | | | |
| COUNTY-OTHER | 47 | 40 | 31 | 22 | 13 | 3 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| COLORADO BASIN TOTAL NEEDS/SURPLUS | 47 | 40 | 31 | 22 | 13 | 3 |
| GUADALUPE BASIN | | | | | | |
| KENDALL COUNTY WCID #1 | 472 | 434 | 391 | 345 | 294 | 244 |
| COUNTY-OTHER | 2,327 | 1,989 | 1,625 | 1,252 | 856 | 464 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 55 | 61 | 68 | 73 | 78 | 84 |
| GUADALUPE BASIN TOTAL NEEDS/SURPLUS | 2,854 | 2,484 | 2,084 | 1,670 | 1,228 | 792 |
| SAN ANTONIO BASIN | | | | | | |
| BOERNE | 1,514 | 620 | (337) | (1,295) | (2,284) | (3,258) |
| FAIR OAKS RANCH | 540 | 512 | 459 | 426 | 298 | 153 |
| WATER SERVICES INC | 28 | 25 | 23 | 18 | 13 | 8 |
| COUNTY-OTHER | 383 | 341 | 272 | 168 | 84 | 1 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 30 | 32 | 33 | 35 | 36 | 37 |
| SAN ANTONIO BASIN TOTAL NEEDS/SURPLUS | 2,495 | 1,530 | 450 | (648) | (1,853) | (3,059) |
| KENDALL COUNTY TOTAL NEEDS/SURPLUS | 5,396 | 4,054 | 2,565 | 1,044 | (612) | (2,264) |
| LA SALLE COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| COTULLA | 132 | (16) | (155) | (323) | 320 | 223 |
| ENCINAL | 55 | 40 | 25 | 5 | 77 | 67 |
| COUNTY-OTHER | (22) | (56) | (90) | (133) | 42 | 16 |
| MINING | (4,088) | (4,243) | (3,734) | (2,290) | (851) | (147) |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 143 | 282 | 416 | 546 | 665 |
| NUECES BASIN TOTAL NEEDS/SURPLUS | (3,923) | (4,132) | (3,672) | (2,325) | 134 | 824 |
| LA SALLE COUNTY TOTAL NEEDS/SURPLUS | (3,923) | (4,132) | (3,672) | (2,325) | 134 | 824 |
| MEDINA COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| BENTON CITY WSC | 338 | 267 | 196 | 124 | 55 | (9) |
| DEVINE | 88 | 77 | 68 | 54 | 36 | 19 |
| EAST MEDINA COUNTY SUD | 235 | 168 | 107 | 50 | (10) | (64) |
| HONDO | (523) | (680) | (816) | (943) | (1,068) | (1,180) |
| LYTLE | (34) | (53) | (71) | (88) | (106) | (121) |
| NATALIA | (101) | (129) | (153) | (176) | (199) | (220) |
| YANCEY WSC | (6) | (19) | (30) | (41) | (51) | (61) |
| COUNTY-OTHER | 500 | 472 | 403 | 344 | 289 | 246 |
| MANUFACTURING | 1,898 | 1,895 | 1,891 | 1,888 | 1,884 | 1,879 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (29,816) | (27,758) | (25,779) | (23,882) | (22,065) | (20,461) |
| NUECES BASIN TOTAL NEEDS/SURPLUS | (27,421) | (25,760) | (24,184) | (22,670) | (21,235) | (19,972) |
| SAN ANTONIO BASIN | | | | | | |
| CASTROVILLE | (224) | (217) | (210) | (208) | (211) | (214) |
| EAST MEDINA COUNTY SUD | 22 | 15 | 10 | 4 | (1) | (6) |

WUG NEEDS/SURPLUS

| REGION L | WUG NEEDS/SURPLUS (ACRE-FEET PER YEAR) | | | | | |
|---|---|-----------------|-----------------|-----------------|-----------------|-----------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| MEDINA COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| LACOSTE | (10) | (20) | (28) | (37) | (47) | (56) |
| SAN ANTONIO | (4) | (5) | (7) | (10) | (12) | (14) |
| SAN ANTONIO WATER SYSTEM | (29) | (94) | (171) | (253) | (340) | (421) |
| YANCEY WSC | (22) | (76) | (124) | (167) | (210) | (248) |
| COUNTY-OTHER | 764 | 736 | 757 | 766 | 768 | 762 |
| MANUFACTURING | 8 | 7 | 7 | 6 | 5 | 5 |
| MINING | 0 | 0 | 50 | 50 | 50 | 50 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (1,713) | (1,386) | (1,071) | (771) | (482) | (228) |
| SAN ANTONIO BASIN TOTAL NEEDS/SURPLUS | (1,208) | (1,040) | (787) | (620) | (480) | (370) |
| MEDINA COUNTY TOTAL NEEDS/SURPLUS | (28,629) | (26,800) | (24,971) | (23,290) | (21,715) | (20,342) |
| REFUGIO COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| COUNTY-OTHER | 1 | 1 | 2 | 2 | 4 | 4 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO BASIN TOTAL NEEDS/SURPLUS | 1 | 1 | 2 | 2 | 4 | 4 |
| SAN ANTONIO-NUECES BASIN | | | | | | |
| REFUGIO | 431 | 426 | 437 | 429 | 656 | 654 |
| WOODSBORO | 245 | 245 | 252 | 246 | 348 | 347 |
| COUNTY-OTHER | 4 | 10 | 23 | 21 | 160 | 159 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO-NUECES BASIN TOTAL NEEDS/SURPLUS | 680 | 681 | 712 | 696 | 1,164 | 1,160 |
| REFUGIO COUNTY TOTAL NEEDS/SURPLUS | 681 | 682 | 714 | 698 | 1,168 | 1,164 |
| UVALDE COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| SABINAL | (121) | (153) | (181) | (212) | (245) | (277) |
| UVALDE | (943) | (1,233) | (1,484) | (1,772) | (2,072) | (2,365) |
| COUNTY-OTHER | 2,938 | 2,453 | 2,408 | 2,356 | 2,287 | 2,190 |
| MANUFACTURING | 102 | 89 | 103 | 130 | 139 | 117 |
| MINING | (885) | (1,001) | (760) | (365) | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (28,543) | (26,107) | (24,049) | (22,388) | (21,571) | (21,571) |
| NUECES BASIN TOTAL NEEDS/SURPLUS | (27,452) | (25,952) | (23,963) | (22,251) | (21,462) | (21,906) |
| UVALDE COUNTY TOTAL NEEDS/SURPLUS | (27,452) | (25,952) | (23,963) | (22,251) | (21,462) | (21,906) |
| VICTORIA COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| VICTORIA | (4,903) | (5,480) | (5,927) | (6,378) | (6,804) | (7,168) |
| COUNTY-OTHER | 230 | 187 | 157 | 111 | 56 | 6 |
| MANUFACTURING | (3,215) | (6,053) | (8,878) | (11,403) | (14,243) | (17,289) |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| STEAM ELECTRIC POWER | (4,506) | (29,778) | (37,178) | (53,599) | (70,696) | (70,696) |

WUG NEEDS/SURPLUS

| REGION L | WUG NEEDS/SURPLUS (ACRE-FEET PER YEAR) | | | | | |
|---|--|-----------------|-----------------|-----------------|-----------------|------------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| VICTORIA COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (1,326) | (1,326) | (1,326) | (1,326) | (1,326) | (1,326) |
| GUADALUPE BASIN TOTAL NEEDS/SURPLUS | (13,720) | (42,450) | (53,152) | (72,595) | (93,013) | (96,473) |
| LAVACA BASIN | | | | | | |
| COUNTY-OTHER | 2 | 2 | 2 | 2 | 2 | 2 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| LAVACA BASIN TOTAL NEEDS/SURPLUS | 2 | 2 | 2 | 2 | 2 | 2 |
| LAVACA-GUADALUPE BASIN | | | | | | |
| VICTORIA | (2,372) | (2,651) | (2,867) | (3,086) | (3,291) | (3,468) |
| COUNTY-OTHER | 191 | 161 | 138 | 107 | 68 | 33 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (702) | (702) | (702) | (702) | (702) | (702) |
| LAVACA-GUADALUPE BASIN TOTAL NEEDS/SURPLUS | (2,883) | (3,192) | (3,431) | (3,681) | (3,925) | (4,137) |
| SAN ANTONIO BASIN | | | | | | |
| COUNTY-OTHER | 1 | 1 | 1 | 1 | 0 | 0 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO BASIN TOTAL NEEDS/SURPLUS | 1 | 1 | 1 | 1 | 0 | 0 |
| VICTORIA COUNTY TOTAL NEEDS/SURPLUS | (16,600) | (45,639) | (56,580) | (76,273) | (96,936) | (100,608) |
| WILSON COUNTY | | | | | | |
| GUADALUPE BASIN | | | | | | |
| NIXON | 10 | 9 | 9 | 12 | 12 | 11 |
| SUNKO WSC | 3 | 2 | 1 | 0 | 0 | (1) |
| COUNTY-OTHER | 85 | 76 | 68 | 61 | 54 | 47 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE BASIN TOTAL NEEDS/SURPLUS | 98 | 87 | 78 | 73 | 66 | 57 |
| NUECES BASIN | | | | | | |
| MCCOY WSC | 30 | 26 | 22 | 17 | 11 | 6 |
| COUNTY-OTHER | 45 | 36 | 26 | 17 | 8 | 0 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 71 | 97 | 63 | 72 | 27 | 98 |
| NUECES BASIN TOTAL NEEDS/SURPLUS | 146 | 159 | 111 | 106 | 46 | 104 |
| SAN ANTONIO BASIN | | | | | | |
| EAST CENTRAL SUD | 340 | 349 | 348 | 339 | 325 | 307 |
| EL OSO WSC | 22 | 27 | 32 | 37 | 42 | 47 |
| ELMENDORF | 0 | 0 | 0 | 0 | 0 | 0 |
| FLORESVILLE | 396 | (8) | (405) | (770) | (1,124) | (1,445) |
| LA VERNIA | 33 | (25) | (81) | (133) | (184) | (229) |
| MCCOY WSC | 3 | 2 | 2 | 1 | 1 | 0 |
| OAK HILLS WSC | 959 | 773 | 588 | 419 | 255 | 106 |
| POTH | 916 | 841 | 766 | 696 | 627 | 565 |
| S S WSC | 1,607 | 1,209 | 811 | 446 | 90 | (234) |

WUG NEEDS/SURPLUS

| REGION L | WUG NEEDS/SURPLUS (ACRE-FEET PER YEAR) | | | | | |
|--|---|------------------|------------------|------------------|------------------|------------------|
| | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| WILSON COUNTY | | | | | | |
| SAN ANTONIO BASIN | | | | | | |
| STOCKDALE | 1,378 | 1,300 | 1,223 | 1,152 | 1,083 | 1,020 |
| SUNKO WSC | 465 | 320 | 162 | 52 | 1 | (114) |
| COUNTY-OTHER | 1,304 | 1,022 | 740 | 482 | 230 | 2 |
| MANUFACTURING | 0 | 0 | 0 | 0 | 0 | 0 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | 3,014 | 2,824 | 2,537 | 2,165 | 1,708 | 1,113 |
| SAN ANTONIO BASIN TOTAL NEEDS/SURPLUS | 10,437 | 8,634 | 6,723 | 4,886 | 3,054 | 1,138 |
| WILSON COUNTY TOTAL NEEDS/SURPLUS | 10,681 | 8,880 | 6,912 | 5,065 | 3,166 | 1,299 |
| ZAVALA COUNTY | | | | | | |
| NUECES BASIN | | | | | | |
| CRYSTAL CITY | 1,821 | 1,665 | 1,523 | 1,363 | 1,211 | 1,068 |
| ZAVALA COUNTY WCID #1 | 795 | 747 | 705 | 659 | 616 | 575 |
| COUNTY-OTHER | 328 | 282 | 228 | 173 | 122 | 74 |
| MANUFACTURING | 488 | 447 | 408 | 376 | 310 | 240 |
| MINING | 0 | 0 | 0 | 0 | 0 | 0 |
| LIVESTOCK | 0 | 0 | 0 | 0 | 0 | 0 |
| IRRIGATION | (18,487) | (16,805) | (14,980) | (13,049) | (11,193) | (9,443) |
| NUECES BASIN TOTAL NEEDS/SURPLUS | (15,055) | (13,664) | (12,116) | (10,478) | (8,934) | (7,486) |
| ZAVALA COUNTY TOTAL NEEDS/SURPLUS | (15,055) | (13,664) | (12,116) | (10,478) | (8,934) | (7,486) |
| | | | | | | |
| REGION L TOTAL NEEDS/SURPLUS | (34,235) | (121,363) | (192,752) | (268,870) | (350,674) | (421,879) |

Region L
TWDB DB17 Identified Water Need Summary

WUG CATEGORY SUMMARY

| REGION L | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| COUNTY-OTHER | | | | | | |
| POPULATION | 212,941 | 241,867 | 291,092 | 336,582 | 412,033 | 490,646 |
| DEMAND (Acre-Feet per Year) | 30,498 | 33,783 | 39,708 | 45,544 | 53,787 | 63,561 |
| EXISTING SUPPLIES (Acre-Feet per Year) | 52,144 | 51,771 | 51,892 | 52,129 | 52,344 | 52,549 |
| NEEDS (Acre-Feet per Year) | (1,509) | (1,706) | (1,890) | (3,562) | (10,967) | (19,140) |
| IRRIGATION | | | | | | |
| DEMAND (Acre-Feet per Year) | 344,629 | 330,377 | 317,106 | 304,772 | 293,076 | 282,760 |
| EXISTING SUPPLIES (Acre-Feet per Year) | 250,446 | 245,343 | 240,351 | 235,470 | 229,906 | 224,327 |
| NEEDS (Acre-Feet per Year) | (101,582) | (92,976) | (85,019) | (77,756) | (71,610) | (66,734) |
| LIVESTOCK | | | | | | |
| DEMAND (Acre-Feet per Year) | 24,038 | 24,038 | 24,038 | 24,038 | 24,038 | 24,038 |
| EXISTING SUPPLIES (Acre-Feet per Year) | 24,038 | 24,038 | 24,038 | 24,038 | 24,038 | 24,038 |
| NEEDS (Acre-Feet per Year) | 0 | 0 | 0 | 0 | 0 | 0 |
| MANUFACTURING | | | | | | |
| DEMAND (Acre-Feet per Year) | 123,983 | 135,026 | 145,993 | 155,671 | 167,307 | 178,820 |
| EXISTING SUPPLIES (Acre-Feet per Year) | 139,879 | 139,879 | 139,916 | 139,967 | 139,991 | 139,991 |
| NEEDS (Acre-Feet per Year) | (7,653) | (11,250) | (14,815) | (20,254) | (30,199) | (41,365) |
| MINING | | | | | | |
| DEMAND (Acre-Feet per Year) | 48,738 | 49,976 | 48,601 | 44,647 | 40,831 | 41,209 |
| EXISTING SUPPLIES (Acre-Feet per Year) | 37,034 | 38,494 | 39,211 | 39,219 | 38,894 | 40,692 |
| NEEDS (Acre-Feet per Year) | (11,707) | (11,482) | (9,454) | (5,512) | (2,073) | (666) |
| MUNICIPAL | | | | | | |
| POPULATION | 2,788,524 | 3,234,681 | 3,628,444 | 3,999,545 | 4,358,152 | 4,701,382 |
| DEMAND (Acre-Feet per Year) | 438,567 | 493,023 | 542,713 | 593,050 | 640,769 | 690,745 |
| EXISTING SUPPLIES (Acre-Feet per Year) | 423,316 | 425,880 | 421,807 | 421,612 | 421,338 | 421,097 |
| NEEDS (Acre-Feet per Year) | (82,016) | (117,672) | (163,751) | (207,306) | (250,785) | (296,434) |
| STEAM ELECTRIC POWER | | | | | | |
| DEMAND (Acre-Feet per Year) | 59,901 | 89,807 | 101,070 | 122,845 | 146,639 | 152,702 |
| EXISTING SUPPLIES (Acre-Feet per Year) | 109,262 | 109,262 | 109,262 | 109,262 | 109,262 | 109,262 |
| NEEDS (Acre-Feet per Year) | (4,506) | (29,778) | (37,178) | (53,599) | (70,696) | (70,696) |

Region L
TWDB DB17 Source Water Balance Report

SOURCE WATER BALANCE (AVAILABILITY - WUG SUPPLY)

| REGION L | | | | | | | | | |
|------------------------|---------------|--------------|-----------------|--|-------------|-------------|-------------|-------------|-------------|
| GROUNDWATER | COUNTY | BASIN | SALINITY | SOURCE WATER BALANCE (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| AUSTIN CHALK AQUIFER | UVALDE | NUECES | FRESH | 1,155 | 1,155 | 1,155 | 1,155 | 1,155 | 1,155 |
| BUDA LIMESTONE AQUIFER | UVALDE | NUECES | FRESH | 233 | 233 | 233 | 233 | 233 | 233 |
| CARRIZO-WILCOX AQUIFER | ATASCOSA | NUECES | FRESH | 19,843 | 22,308 | 24,803 | 28,153 | 31,679 | 32,832 |
| CARRIZO-WILCOX AQUIFER | ATASCOSA | SAN ANTONIO | FRESH | 5 | 5 | 5 | 5 | 5 | 5 |
| CARRIZO-WILCOX AQUIFER | BEXAR | NUECES | FRESH | 8,884 | 8,884 | 8,884 | 8,884 | 8,884 | 8,884 |
| CARRIZO-WILCOX AQUIFER | BEXAR | SAN ANTONIO | FRESH | 3,475 | 3,475 | 3,475 | 3,475 | 3,304 | 3,304 |
| CARRIZO-WILCOX AQUIFER | CALDWELL | COLORADO | FRESH | 293 | 295 | 298 | 300 | 302 | 303 |
| CARRIZO-WILCOX AQUIFER | CALDWELL | GUADALUPE | FRESH | 32,297 | 31,912 | 31,935 | 31,383 | 31,407 | 31,417 |
| CARRIZO-WILCOX AQUIFER | DIMMIT | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| CARRIZO-WILCOX AQUIFER | DIMMIT | RIO GRANDE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| CARRIZO-WILCOX AQUIFER | FRIO | NUECES | FRESH | 3,237 | 3,329 | 3,427 | 3,620 | 3,786 | 5,827 |
| CARRIZO-WILCOX AQUIFER | GONZALES | GUADALUPE | FRESH | 20,794 | 26,624 | 32,492 | 33,066 | 33,460 | 33,483 |
| CARRIZO-WILCOX AQUIFER | GONZALES | LAVACA | FRESH | 128 | 128 | 128 | 128 | 128 | 128 |
| CARRIZO-WILCOX AQUIFER | GUADALUPE | GUADALUPE | FRESH | 386 | 766 | 2,437 | 2,870 | 3,273 | 3,154 |
| CARRIZO-WILCOX AQUIFER | GUADALUPE | SAN ANTONIO | FRESH | 147 | 123 | 101 | 72 | 40 | 0 |
| CARRIZO-WILCOX AQUIFER | KARNES | GUADALUPE | FRESH | 7 | 56 | 102 | 144 | 186 | 188 |
| CARRIZO-WILCOX AQUIFER | KARNES | NUECES | FRESH | 0 | 5 | 9 | 11 | 13 | 13 |
| CARRIZO-WILCOX AQUIFER | KARNES | SAN ANTONIO | FRESH | 1 | 0 | 0 | 0 | 1 | 1 |
| CARRIZO-WILCOX AQUIFER | LA SALLE | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| CARRIZO-WILCOX AQUIFER | MEDINA | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| CARRIZO-WILCOX AQUIFER | MEDINA | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| CARRIZO-WILCOX AQUIFER | UVALDE | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| CARRIZO-WILCOX AQUIFER | WILSON | GUADALUPE | FRESH | 335 | 429 | 523 | 628 | 739 | 757 |
| CARRIZO-WILCOX AQUIFER | WILSON | NUECES | FRESH | 2,216 | 2,945 | 3,677 | 4,341 | 5,028 | 5,246 |
| CARRIZO-WILCOX AQUIFER | WILSON | SAN ANTONIO | FRESH | 3,512 | 6,301 | 9,127 | 12,186 | 15,434 | 16,593 |
| CARRIZO-WILCOX AQUIFER | ZAVALA | NUECES | FRESH | 0 | 1 | 1 | 0 | 1 | 0 |
| EDWARDS-BFZ AQUIFER | ATASCOSA | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| EDWARDS-BFZ AQUIFER | ATASCOSA | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| EDWARDS-BFZ AQUIFER | BEXAR | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| EDWARDS-BFZ AQUIFER | CALDWELL | COLORADO | SALINE | 64 | 64 | 64 | 64 | 64 | 64 |

SOURCE WATER BALANCE (AVAILABILITY - WUG SUPPLY)

| REGION L | | | | | | | | | |
|----------------------------------|---------------|--------------------|-----------------|--|-------------|-------------|-------------|-------------|-------------|
| GROUNDWATER | COUNTY | BASIN | SALINITY | SOURCE WATER BALANCE (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| EDWARDS-BFZ AQUIFER | CALDWELL | GUADALUPE | SALINE | 134 | 134 | 134 | 134 | 134 | 134 |
| EDWARDS-BFZ AQUIFER | COMAL | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| EDWARDS-BFZ AQUIFER | COMAL | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| EDWARDS-BFZ AQUIFER | FRIO | NUECES | FRESH | 23,213 | 23,213 | 23,213 | 23,213 | 23,213 | 23,213 |
| EDWARDS-BFZ AQUIFER | GUADALUPE | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| EDWARDS-BFZ AQUIFER | HAYS | GUADALUPE | FRESH | 680 | 680 | 680 | 680 | 680 | 680 |
| EDWARDS-BFZ AQUIFER | HAYS | GUADALUPE | SALINE | 235 | 235 | 235 | 235 | 235 | 235 |
| EDWARDS-BFZ AQUIFER | MEDINA | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| EDWARDS-BFZ AQUIFER | MEDINA | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| EDWARDS-BFZ AQUIFER | UVALDE | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| EDWARDS-BFZ AQUIFER | BEXAR | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| EDWARDS-TRINITY-PLATEAU AQUIFER | KENDALL | COLORADO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| EDWARDS-TRINITY-PLATEAU AQUIFER | KENDALL | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| EDWARDS-TRINITY-PLATEAU AQUIFER | KENDALL | SAN ANTONIO | FRESH | 160 | 160 | 160 | 160 | 160 | 160 |
| EDWARDS-TRINITY-PLATEAU AQUIFER | UVALDE | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE RIVER ALLUVIUM AQUIFER | CALDWELL | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| GULF COAST AQUIFER | CALHOUN | COLORADO-LAVACA | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| GULF COAST AQUIFER | CALHOUN | GUADALUPE | FRESH | 15 | 15 | 15 | 15 | 15 | 15 |
| GULF COAST AQUIFER | CALHOUN | LAVACA | FRESH | 2 | 2 | 2 | 2 | 2 | 2 |
| GULF COAST AQUIFER | CALHOUN | LAVACA-GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| GULF COAST AQUIFER | CALHOUN | SAN ANTONIO-NUECES | FRESH | 4 | 4 | 4 | 4 | 4 | 4 |
| GULF COAST AQUIFER | DEWITT | GUADALUPE | FRESH | 87 | 233 | 824 | 1,411 | 1,998 | 2,263 |
| GULF COAST AQUIFER | DEWITT | LAVACA | FRESH | 698 | 705 | 749 | 799 | 912 | 968 |
| GULF COAST AQUIFER | DEWITT | LAVACA-GUADALUPE | FRESH | 393 | 393 | 393 | 393 | 393 | 393 |
| GULF COAST AQUIFER | DEWITT | SAN ANTONIO | FRESH | 207 | 223 | 285 | 348 | 409 | 437 |
| GULF COAST AQUIFER | GOLIAD | GUADALUPE | FRESH | 38 | 38 | 38 | 38 | 38 | 38 |
| GULF COAST AQUIFER | GOLIAD | SAN ANTONIO | FRESH | 3,604 | 3,604 | 3,604 | 3,604 | 3,604 | 3,604 |
| GULF COAST AQUIFER | GOLIAD | SAN ANTONIO-NUECES | FRESH | 355 | 355 | 355 | 355 | 355 | 355 |
| GULF COAST AQUIFER | GONZALES | GUADALUPE | FRESH | 1,866 | 1,866 | 1,866 | 1,866 | 1,866 | 1,866 |
| GULF COAST AQUIFER | GONZALES | LAVACA | FRESH | 182 | 182 | 182 | 182 | 182 | 182 |
| GULF COAST AQUIFER | KARNES | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| GULF COAST AQUIFER | KARNES | NUECES | FRESH | 0 | 0 | 1 | 5 | 8 | 10 |
| GULF COAST AQUIFER | KARNES | SAN ANTONIO | FRESH | 0 | 1 | 0 | 0 | 1 | 1 |
| GULF COAST AQUIFER | KARNES | SAN ANTONIO-NUECES | FRESH | 0 | 0 | 0 | 0 | 23 | 32 |
| GULF COAST AQUIFER | REFUGIO | SAN ANTONIO | FRESH | 1,491 | 1,491 | 1,491 | 1,492 | 1,493 | 1,493 |
| GULF COAST AQUIFER | REFUGIO | SAN ANTONIO-NUECES | FRESH | 24,438 | 24,435 | 24,453 | 24,465 | 24,478 | 24,487 |
| GULF COAST AQUIFER | VICTORIA | GUADALUPE | FRESH | 2 | 0 | 10 | 17 | 24 | 29 |

SOURCE WATER BALANCE (AVAILABILITY - WUG SUPPLY)

| REGION L | | | | | | | | | |
|----------------------|---------------|------------------|-----------------|--|-------------|-------------|-------------|-------------|-------------|
| GROUNDWATER | COUNTY | BASIN | SALINITY | SOURCE WATER BALANCE (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| GULF COAST AQUIFER | VICTORIA | LAVACA | FRESH | 207 | 207 | 207 | 207 | 207 | 207 |
| GULF COAST AQUIFER | VICTORIA | LAVACA-GUADALUPE | FRESH | 41 | 40 | 48 | 55 | 62 | 66 |
| GULF COAST AQUIFER | VICTORIA | SAN ANTONIO | FRESH | 898 | 898 | 899 | 900 | 900 | 900 |
| LEONA GRAVEL AQUIFER | MEDINA | NUECES | FRESH | 16,551 | 16,396 | 16,266 | 16,134 | 15,967 | 15,785 |
| LEONA GRAVEL AQUIFER | MEDINA | SAN ANTONIO | FRESH | 3,828 | 3,777 | 3,683 | 3,639 | 3,584 | 3,523 |
| LEONA GRAVEL AQUIFER | UVALDE | NUECES | FRESH | 1 | 0 | 0 | 0 | 753 | 2,469 |
| QUEEN CITY AQUIFER | ATASCOSA | NUECES | FRESH | 1,683 | 1,650 | 1,542 | 1,437 | 1,339 | 1,339 |
| QUEEN CITY AQUIFER | CALDWELL | GUADALUPE | FRESH | 71 | 71 | 71 | 71 | 71 | 71 |
| QUEEN CITY AQUIFER | DIMMIT | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| QUEEN CITY AQUIFER | DIMMIT | RIO GRANDE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| QUEEN CITY AQUIFER | FRIO | NUECES | FRESH | 2,174 | 2,014 | 1,912 | 1,816 | 1,875 | 2,075 |
| QUEEN CITY AQUIFER | GONZALES | GUADALUPE | FRESH | 3,847 | 3,847 | 3,847 | 3,847 | 3,847 | 3,847 |
| QUEEN CITY AQUIFER | GONZALES | LAVACA | FRESH | 35 | 35 | 35 | 35 | 35 | 35 |
| QUEEN CITY AQUIFER | GUADALUPE | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| QUEEN CITY AQUIFER | KARNES | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| QUEEN CITY AQUIFER | KARNES | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| QUEEN CITY AQUIFER | KARNES | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| QUEEN CITY AQUIFER | LA SALLE | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| QUEEN CITY AQUIFER | WILSON | GUADALUPE | FRESH | 107 | 94 | 83 | 73 | 65 | 65 |
| QUEEN CITY AQUIFER | WILSON | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| QUEEN CITY AQUIFER | WILSON | SAN ANTONIO | FRESH | 896 | 775 | 668 | 574 | 492 | 492 |
| QUEEN CITY AQUIFER | ZAVALA | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SPARTA AQUIFER | ATASCOSA | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SPARTA AQUIFER | DIMMIT | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SPARTA AQUIFER | FRIO | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SPARTA AQUIFER | GONZALES | GUADALUPE | FRESH | 1,940 | 1,940 | 1,940 | 1,940 | 1,940 | 1,940 |
| SPARTA AQUIFER | GONZALES | LAVACA | FRESH | 23 | 23 | 23 | 23 | 23 | 23 |
| SPARTA AQUIFER | KARNES | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SPARTA AQUIFER | KARNES | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SPARTA AQUIFER | KARNES | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SPARTA AQUIFER | LA SALLE | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SPARTA AQUIFER | WILSON | GUADALUPE | FRESH | 16 | 14 | 12 | 10 | 9 | 9 |
| SPARTA AQUIFER | WILSON | NUECES | FRESH | 39 | 34 | 29 | 24 | 21 | 21 |
| SPARTA AQUIFER | WILSON | SAN ANTONIO | FRESH | 154 | 137 | 121 | 108 | 97 | 97 |
| SPARTA AQUIFER | ZAVALA | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| TRINITY AQUIFER | BEXAR | NUECES | FRESH | 222 | 222 | 222 | 222 | 222 | 222 |
| TRINITY AQUIFER | BEXAR | SAN ANTONIO | FRESH | 26,679 | 25,759 | 24,966 | 24,095 | 23,100 | 21,997 |
| TRINITY AQUIFER | CALDWELL | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| TRINITY AQUIFER | COMAL | GUADALUPE | FRESH | 19,729 | 18,389 | 17,099 | 15,973 | 14,562 | 12,982 |
| TRINITY AQUIFER | COMAL | SAN ANTONIO | FRESH | 3,211 | 3,155 | 3,101 | 3,054 | 2,996 | 2,930 |

SOURCE WATER BALANCE (AVAILABILITY - WUG SUPPLY)

| REGION L | | | | | | | | | |
|---|---------------|--------------|-----------------|--|----------------|----------------|----------------|----------------|----------------|
| GROUNDWATER | COUNTY | BASIN | SALINITY | SOURCE WATER BALANCE (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| TRINITY AQUIFER | GUADALUPE | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| TRINITY AQUIFER | GUADALUPE | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| TRINITY AQUIFER | HAYS | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| TRINITY AQUIFER | KENDALL | COLORADO | FRESH | 86 | 86 | 86 | 86 | 86 | 86 |
| TRINITY AQUIFER | KENDALL | GUADALUPE | FRESH | 3,715 | 3,715 | 3,715 | 3,715 | 3,715 | 3,715 |
| TRINITY AQUIFER | KENDALL | SAN ANTONIO | FRESH | 2,440 | 2,440 | 2,440 | 2,440 | 2,440 | 2,440 |
| TRINITY AQUIFER | MEDINA | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| TRINITY AQUIFER | MEDINA | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| TRINITY AQUIFER | UVALDE | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| YEGUA-JACKSON AQUIFER | ATASCOSA | NUECES | FRESH | 407 | 407 | 407 | 407 | 407 | 407 |
| YEGUA-JACKSON AQUIFER | FRIO | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| YEGUA-JACKSON AQUIFER | GONZALES | GUADALUPE | FRESH | 211 | 211 | 211 | 211 | 211 | 211 |
| YEGUA-JACKSON AQUIFER | GONZALES | LAVACA | FRESH | 3 | 3 | 3 | 3 | 3 | 3 |
| YEGUA-JACKSON AQUIFER | KARNES | GUADALUPE | FRESH | 65 | 65 | 65 | 65 | 65 | 65 |
| YEGUA-JACKSON AQUIFER | KARNES | NUECES | FRESH | 12 | 12 | 12 | 12 | 12 | 12 |
| YEGUA-JACKSON AQUIFER | KARNES | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 396 | 410 |
| YEGUA-JACKSON AQUIFER | LA SALLE | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| YEGUA-JACKSON AQUIFER | WILSON | GUADALUPE | FRESH | 43 | 43 | 43 | 43 | 43 | 43 |
| YEGUA-JACKSON AQUIFER | WILSON | NUECES | FRESH | 143 | 143 | 143 | 143 | 143 | 143 |
| YEGUA-JACKSON AQUIFER | WILSON | SAN ANTONIO | FRESH | 380 | 380 | 380 | 380 | 380 | 380 |
| GROUNDWATER TOTAL SOURCE WATER BALANCE | | | | 244,673 | 253,989 | 265,849 | 271,878 | 279,417 | 283,198 |
| REGION L | | | | | | | | | |
| REUSE | COUNTY | BASIN | SALINITY | SOURCE WATER BALANCE (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| DIRECT REUSE | BEXAR | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| DIRECT REUSE | COMAL | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| DIRECT REUSE | GUADALUPE | GUADALUPE | FRESH | 1 | 1 | 1 | 1 | 1 | 1 |
| DIRECT REUSE | HAYS | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| DIRECT REUSE | KARNES | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| DIRECT REUSE | KENDALL | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| DIRECT REUSE | KENDALL | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| REUSE TOTAL SOURCE WATER BALANCE | | | | 1 | 1 | 1 | 1 | 1 | 1 |
| REGION L | | | | | | | | | |
| SURFACE WATER | COUNTY | BASIN | SALINITY | SOURCE WATER BALANCE (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| BOERNE LAKE/RESERVOIR | RESERVOIR | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |

SOURCE WATER BALANCE (AVAILABILITY - WUG SUPPLY)

| REGION L | | | | | | | | | |
|--|---------------|-----------------|-----------------|--|-------------|-------------|-------------|-------------|-------------|
| SURFACE WATER | COUNTY | BASIN | SALINITY | SOURCE WATER BALANCE (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| CALAVERAS LAKE/RESERVOIR | RESERVOIR | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| CANYON LAKE/RESERVOIR | RESERVOIR | GUADALUPE | FRESH | 5,480 | 5,340 | 9,200 | 9,060 | 8,920 | 8,780 |
| COLETO CREEK LAKE/RESERVOIR | RESERVOIR | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| COLORADO LIVESTOCK LOCAL SUPPLY | CALDWELL | COLORADO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| COLORADO LIVESTOCK LOCAL SUPPLY | KENDALL | COLORADO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| COLORADO-LAVACA LIVESTOCK LOCAL SUPPLY | CALHOUN | COLORADO-LAVACA | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | CALDWELL | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | COMAL | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | DEWITT | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | GOLIAD | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | GONZALES | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | GUADALUPE | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | HAYS | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | KARNES | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | KENDALL | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | VICTORIA | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE LIVESTOCK LOCAL SUPPLY | WILSON | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE RUN-OF-RIVER | CALDWELL | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE RUN-OF-RIVER | CALHOUN | GUADALUPE | FRESH | 43,767 | 43,767 | 43,767 | 43,767 | 43,767 | 43,767 |
| GUADALUPE RUN-OF-RIVER | COMAL | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE RUN-OF-RIVER | GONZALES | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE RUN-OF-RIVER | GUADALUPE | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE RUN-OF-RIVER | HAYS | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE RUN-OF-RIVER | KENDALL | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| GUADALUPE RUN-OF-RIVER | VICTORIA | GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| LAVACA LIVESTOCK LOCAL SUPPLY | DEWITT | LAVACA | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| LAVACA LIVESTOCK LOCAL SUPPLY | GONZALES | LAVACA | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| LAVACA LIVESTOCK LOCAL SUPPLY | VICTORIA | LAVACA | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |

SOURCE WATER BALANCE (AVAILABILITY - WUG SUPPLY)

| REGION L | | | | | | | | | |
|---|---------------|------------------|-----------------|--|-------------|-------------|-------------|-------------|-------------|
| SURFACE WATER | COUNTY | BASIN | SALINITY | SOURCE WATER BALANCE (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | CALHOUN | LAVACA-GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | DEWITT | LAVACA-GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| LAVACA-GUADALUPE LIVESTOCK LOCAL SUPPLY | VICTORIA | LAVACA-GUADALUPE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| NUECES LIVESTOCK LOCAL SUPPLY | ATASCOSA | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| NUECES LIVESTOCK LOCAL SUPPLY | BEXAR | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| NUECES LIVESTOCK LOCAL SUPPLY | DIMMIT | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| NUECES LIVESTOCK LOCAL SUPPLY | FRIO | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| NUECES LIVESTOCK LOCAL SUPPLY | LA SALLE | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| NUECES LIVESTOCK LOCAL SUPPLY | MEDINA | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| NUECES LIVESTOCK LOCAL SUPPLY | UVALDE | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| NUECES LIVESTOCK LOCAL SUPPLY | WILSON | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| NUECES LIVESTOCK LOCAL SUPPLY | ZAVALA | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| NUECES RUN-OF-RIVER | DIMMIT | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| NUECES RUN-OF-RIVER | LA SALLE | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| NUECES RUN-OF-RIVER | UVALDE | NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| RIO GRANDE LIVESTOCK LOCAL SUPPLY | DIMMIT | RIO GRANDE | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | BEXAR | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | COMAL | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | DEWITT | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | GOLIAD | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | KARNES | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | KENDALL | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | MEDINA | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | REFUGIO | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | VICTORIA | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |

SOURCE WATER BALANCE (AVAILABILITY - WUG SUPPLY)

| REGION L | | | | | | | | | |
|---|---------------|--------------------|-----------------|--|----------------|----------------|----------------|----------------|----------------|
| SURFACE WATER | COUNTY | BASIN | SALINITY | SOURCE WATER BALANCE (ACRE-FEET PER YEAR) | | | | | |
| | | | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| SAN ANTONIO LIVESTOCK LOCAL SUPPLY | WILSON | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO RUN-OF-RIVER | BEXAR | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO RUN-OF-RIVER | GOLIAD | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO RUN-OF-RIVER | KARNES | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO RUN-OF-RIVER | WILSON | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY | CALHOUN | SAN ANTONIO-NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY | GOLIAD | SAN ANTONIO-NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY | KARNES | SAN ANTONIO-NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SAN ANTONIO-NUECES LIVESTOCK LOCAL SUPPLY | REFUGIO | SAN ANTONIO-NUECES | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| VICTOR BRAUNIG LAKE/RESERVOIR | RESERVOIR | SAN ANTONIO | FRESH | 0 | 0 | 0 | 0 | 0 | 0 |
| SURFACE WATER TOTAL SOURCE WATER BALANCE | | | | 49,247 | 49,107 | 52,967 | 52,827 | 52,687 | 52,547 |
| | | | | | | | | | |
| REGION L TOTAL SOURCE WATER BALANCE | | | | 293,921 | 303,097 | 318,817 | 324,706 | 332,105 | 335,746 |

Appendix E

Summary of Water Management Strategies

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Appendix E
2016 SCTRWP - Potentially Feasible Water Management Strategies

| | Water Management Strategy | YR 2070 Supply (acft/yr) | Near-Term Unit Cost (\$/acft/yr) | Sponsor | Notes |
|---|--|--------------------------------|--|-------------------|---|
| Recommended Water Management Strategies | Water Conservation | 96,288 | \$684 | All Municipal | Average Unit Cost (Varies by Land Use) |
| | Drought Management (2020 for all Entities other than SAWS) | 2,839 | \$1,554 | Municipal Users | Municipal WUGs with Needs in YR 2020, average Unit Cost |
| | Edwards Aquifer Habitat Conservation Plan | 0 | \$345 | All Edwards Users | Unit cost based on increase to Edwards firm existing supply (~50,600 acft/yr) |
| | CRWA Wells Ranch - Phase 2 - MAG-Limited | 7,829 | \$858 | CRWA | Limited to 7,658 acft/yr in YR 2030 |
| | Brackish Wilcox Groundwater for CRWA - MAG-Limited | 3,839 | \$2,619 | CRWA | |
| | CRWA Siesta Project | 5,042 | \$1,886 | CRWA | |
| | CVLGC Carrizo Project - MAG-Limited | 0 | N/A | CVLGC | |
| | CVLGC Carrizo Project w/ Conversions | 10,000 | \$1,834 | CVLGC | |
| | GBRA Mid-Basin Project (ASR) | 50,000 | \$1,637 | GBRA | |
| | GBRA Lower Basin Storage (500 acre site) | 51,800 | \$140 | GBRA | |
| | GBRA Lower Basin New Appropriation | 42,000 | \$591 | GBRA | |
| | Integrated Water-Power Project | 100,000 | \$2,393 | GBRA | |
| | Victoria County Steam-Electric Project | 29,100 | \$1,225 | GBRA | |
| | Western Canyon WTP Expansion | N/A | \$344 | GBRA | Unit cost based on capacity of expansion (5,600 acft/yr) |
| | Hays/Caldwell PUA Project - MAG-Limited | 21,833 | \$1,926 | HCPUA | |
| | Brackish Wilcox Groundwater for SAWS - MAG-Limited | 5,622 | \$1,289 | SAWS | |
| | SAWS Expanded Local Carrizo - MAG-Limited | 5,419 | \$700 | SAWS | |
| | Vista Ridge Project - MAG-Limited | 34,894 | \$2,177 | SAWS | |
| | SAWS Expanded Brackish Project - MAG-Limited | 0 | N/A | SAWS | |
| | SAWS Seawater Desalination | 84,023 | \$2,713 | SAWS | 75 MGD of Potable Supply |
| | Advanced Meter Infrastructure for SAWS | 5,598 | \$216 | SAWS | Supply in terms of Saved Water (Leaks) |
| | SAWS Conservation Goals | 2,792 | \$600 | SAWS | Varies from 2,792 acft/yr to 15,974 acft/yr |
| | Long-term Drought Management for SAWS | 68,190 | \$342 | SAWS | |
| | SAWS Direct Reuse | 40,000 | \$458 | SAWS | |
| | Water Resources Integration Pipeline | N/A | N/A | SAWS | Capacity of transmission line (84,000 acft/yr) |
| | Dos Rios WWTP - CPS Pipeline | N/A | \$50 | SAWS | Direct Recycle Pipeline to Lake Braunig. Unit cost based on capacity of transmission line (50,000 acft/yr). |
| | SSLGC Expanded Carrizo Project (Guadalupe County) | 6,500 | \$1,070 | SSLGC | |
| | SSLGC Brackish Wilcox (Gonz Co) - MAG-Limited | 1,392 | \$5,032 | SSLGC | Limited to 0 acft/yr in YR 2030 |
| | TWA Carrizo Project - MAG-Limited | 15,000 | \$2,490 | TWA | Limited to 14,680 acft/yr in YR 2030 |
| | TWA Trinity Project | 5,000 | \$613 | TWA | |
| | New Braunfels Utilities ASR | 8,300 | \$462 | NBU | |
| | New Braunfels Utilities Trinity | 1,090 | \$634 | NBU | |
| | Direct Reuse/Recycle | 11,709 | \$481 | NBU | Zero discharge by 2070 |
| | Hays County Pipeline Project | N/A | \$427 | Hays County | Unit cost based on capacity of transmission line (15,314 acft/yr) |
| | Uvalde ASR - MAG-Limited | 1,155 | \$2,803 | Uvalde | |
| | Victoria ASR | 7,900 | \$192 | Victoria | |
| | Victoria Groundwater-Surface Water Exchange | 8,544 | \$0 | Victoria | Based on current Victoria County GCD permits |
| | Brackish Wilcox for SS WSC - MAG-Limited | 0 | N/A | SS WSC | |
| | Facilities Expansions | N/A | N/A | Municipal Users | Atascosa Rural WSC, Helotes, Gonzales Co WSC, Springs Hill WSC, Yancey WSC, Port O'Connor, and CCMA |
| | Edwards Transfers | 11,772 | \$1,415 | Municipal Users | Sabinal, Uvalde, Castroville, East Medina SUD, Hondo, La Coste, Natalia, Yancey WSC, Medina Co Other, Alamo Heights, Atascosa Rural WSC, Converse, Kirby, Leon Valley, Shavano Park, Windcrest, CRWA, and Lytle |
| | Local GW (Carrizo) | 9,151 | \$1,298 | Municipal Users | Average Cost for Benton City WSC, Asherton, Carrizo Springs, Gonzales, Gonzales WSC, Cotulla (YR 2050 Needs), La Salle Co Other (YR 2050 Needs), Floresville, Pearsall, Polonia WSC, Sunko WSC, Dimmit County-Other, La Salle County-Other, Dimmit County Mining and La Salle County Mining |
| | Local GW (Gulf Coast) | 2,098 | \$3,111 | Municipal/Mining | Kenedy, DeWitt County Mining, and Karnes County Mining |
| | Local GW (Trinity) | 2,060 | \$1,202 | Municipal Users | Boerne, Garden Ridge, and Mountain City |
| | Local GW (Leona Gravel) | 895 | \$3,608 | Municipal Users | Castroville, East Medina Co WSC, La Coste, Natalia, and Yancey WSC |
| | Local Carrizo Conversion (Irrigation) | N/A | \$0 | Municipal Users | Benton City, Polonia WSC, Pearsall, and SS WSC |
| | Local Carrizo Conversion (Mining) | N/A | \$0 | Municipal Users | Cotulla and La Salle Co Other (YR 2050 Needs) |
| | Local Yegua-Jackson Conversion (Mining) | N/A | \$0 | Karnes City | 336 acft/yr in YR 2020 |
| | Purchase from CRWA | N/A | Varies | Municipal Users | Moves water from CRWA to WUGs |
| | Purchase from CVLGC | N/A | Varies | Municipal Users | Moves water from CVLGC to WUGs |
| | Purchase from GBRA | N/A | Varies | Mun/Ind/SE Users | Moves water from GBRA to WUGs |
| | Purchase from HCPUA | N/A | Varies | Mun Users + WWTP | Moves water from HCPUA to WUGs & CRWA |
| | Purchase from SAWS | N/A | Varies | Mun/Ind Users | Moves water from SAWS to WUGs |
| | Purchase from SSLGC | N/A | Varies | Municipal Users | Moves water from SSLGC to WUGs |
| | Purchase from TWA | N/A | Varies | Municipal Users | Moves water from TWA to WUGs |
| | Direct Reuse/Recycle | 27,270 | \$502 | CCMA | Recycle 90% of WWTP Influent |
| | Direct Reuse/Recycle | 4,368 | \$710 | Kyle | Zero discharge by 2070 |
| | Direct Reuse/Recycle | 8,341 | \$869 | San Marcos | Zero discharge by 2070 |
| | Direct Reuse/Recycle | 6,075 | \$1,500 | SARA | |
| | Surface WRS | N/A | N/A | Municipal Users | |
| | Balancing Storage | N/A | N/A | Municipal Users | |

Appendix E

2016 SCTRWP - Potentially Feasible Water Management Strategies

| | | | | | |
|---|--|--------|----------|---------------------------|--|
| Alternative Water Management Strategies | CRWA Wells Ranch - Phase 2 - Envisioned | 10,629 | \$835 | CRWA | |
| | Brackish Wilcox Groundwater for CRWA - Envisioned | 14,700 | \$2,197 | CRWA | |
| | Edwards Transfers, Carrizo Conversions, or Trinity Aquifer | N/A | N/A | CRWA | As needed |
| | CVLGC Carrizo Project - Envisioned | 10,000 | \$1,834 | CVLGC | |
| | Luling ASR | 4,277 | \$1,086 | GBRA | |
| | MBWSP - Carrizo Groundwater (Option 0) | 15,000 | \$1,665 | GBRA | |
| | MBWSP - Surface Water w/ Off-Channel Reservoir (Option 2A) | 25,000 | \$2,561 | GBRA | |
| | MBWSP - Conjunctive Use w/ ASR (Option 3A) | 42,000 | \$1,836 | GBRA | |
| | Hays/Caldwell PUA Project - Envisioned | 35,690 | \$1,664 | HCPUA | |
| | Lavaca Off-Channel Reservoir | 16,963 | \$867 | LNRA | 6,963 acft/yr for Region N |
| | HCPUA/TWA/GBRA Shared Facilities Project | 86,513 | \$1,736 | Multiple | |
| | HCPUA/TWA Joint Project | 40,690 | \$1,885 | Multiple | |
| | Brackish Wilcox Groundwater for SAWS - Envisioned | 33,600 | \$988 | SAWS | |
| | SAWS Expanded Local Carrizo - Envisioned | 30,000 | \$553 | SAWS | |
| | Vista Ridge Project - Envisioned | 50,000 | \$1,976 | SAWS | |
| | SAWS Expanded Brackish Project - Envisioned | 50,000 | \$2,041 | SAWS | |
| | Brackish Wilcox for SS WSC - Envisioned | 1,120 | \$2,554 | SS WSC | |
| | SSLGC Brackish Wilcox (Gonz Co) - Envisioned | 5,000 | \$2,124 | SSLGC | |
| | TWA Carrizo Project - Envisioned | 15,000 | \$2,440 | TWA | |
| | Uvalde ASR - Envisioned | 4,000 | \$1,629 | Uvalde | |
| | Purchase from LNRA | 10,000 | \$867 | Calhoun Co. Ind (Formosa) | New Supply Developed by the Lavaca Off-Channel WMS |
| Other | Storage Above Canyon (ASR) | 504 | \$11,875 | TBD | |
| | Hays Forestar Project - MAG-Limited | 12,356 | \$1,942 | Hays County | |
| | Hays Forestar Project - Envisioned | 45,000 | \$1,331 | Hays County | |
| | Brush Management in Gonzales Co - 10% Participation | 1,370 | \$1,209 | TBD | |
| | Brush Management in Gonzales Co - 30% Participation | 4,631 | \$937 | TBD | |
| | Brush Management in Gonzales Co - 50% Participation | 6,925 | \$1,015 | TBD | |

Appendix F

Socio-Economic Impacts of Projected Water Shortages

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**Socioeconomic Impacts of Projected Water Shortages
for the Region L Regional Water Planning Area**

Prepared in Support of the 2016 Region L Regional Water Plan



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Executive Summary

Evaluating the social and economic impacts of not meeting identified water needs is a required part of the regional water planning process. The Texas Water Development Board (TWDB) estimates those impacts for regional water planning groups, and summarizes the impacts in the state water plan. The analysis presented is for the Region L Regional Water Planning Group.

Based on projected water demands and existing water supplies, the Region L planning group identified water needs (potential shortages) that would occur within its region under a repeat of the drought of record for six water use categories. The TWDB then estimated the socioeconomic impacts of those needs—if they are not met—for each water use category and as an aggregate for the region.

The analysis was performed using an economic modeling software package, IMPLAN (Impact for Planning Analysis), as well as other economic analysis techniques, and represents a snapshot of socioeconomic impacts that may occur during a single year during a drought of record within each of the planning decades. For each water use category, the evaluation focused on estimating income losses and job losses. The income losses represent an approximation of gross domestic product (GDP) that would be foregone if water needs are not met.

The analysis also provides estimates of financial transfer impacts, which include tax losses (state, local, and utility tax collections); water trucking costs; and utility revenue losses. In addition, social impacts were estimated, encompassing lost consumer surplus (a welfare economics measure of consumer wellbeing); as well as population and school enrollment losses.

It is estimated that not meeting the identified water needs in Region L would result in an annually combined lost income impact of approximately \$2 billion in 2020, increasing to \$6 billion in 2070 (Table ES-1). In 2020, the region would lose approximately 18,300 jobs, and by 2070 job losses would increase to approximately 50,100.

All impact estimates are in year 2013 dollars and were calculated using a variety of data sources and tools including the use of a region-specific IMPLAN model, data from the TWDB annual water use estimates, the U.S. Census Bureau, Texas Agricultural Statistics Service, and Texas Municipal League.

Table ES-1: Region L Socioeconomic Impact Summary

| Regional Economic Impacts | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| Income losses (\$ millions)* | \$1,990 | \$2,928 | \$3,320 | \$3,841 | \$4,633 | \$5,911 |
| Job losses | 18,277 | 20,809 | 23,550 | 25,559 | 30,450 | 50,102 |
| Financial Transfer Impacts | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| Tax losses on production and imports (\$ millions)* | \$175 | \$187 | \$193 | \$182 | \$192 | \$290 |
| Water trucking costs (\$ millions)* | \$0 | \$0 | \$0 | \$1 | \$1 | \$3 |
| Utility revenue losses (\$ millions)* | \$210 | \$304 | \$418 | \$537 | \$625 | \$809 |
| Utility tax revenue losses (\$ millions)* | \$4 | \$6 | \$8 | \$10 | \$12 | \$15 |
| Social Impacts | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| Consumer surplus losses (\$ millions)* | \$29 | \$58 | \$108 | \$171 | \$264 | \$403 |
| Population losses | 3,356 | 3,821 | 4,324 | 4,693 | 5,591 | 9,199 |
| School enrollment losses | 621 | 707 | 800 | 868 | 1,034 | 1,702 |

** Year 2013 dollars, rounded. Entries denoted by a dash (-) indicate no economic impact. Entries denoted by a zero (\$0) indicate income losses less than \$500,000.*

1 Introduction

Water shortages during a repeat of the drought of record would likely curtail or eliminate certain economic activity in businesses and industries that rely heavily on water. Insufficient water supplies could not only have an immediate and real impact on existing businesses and industry, but they could also adversely and chronically affect economic development in Texas. From a social perspective, water supply reliability is critical as well. Shortages could disrupt activity in homes, schools and government and could adversely affect public health and safety. For these reasons, it is important to evaluate and understand how water supply shortages during drought could impact communities throughout the state.

Administrative rules (31 Texas Administrative Code §357.33 (c)) require that regional water planning groups evaluate the social and economic impacts of not meeting water needs as part of the regional water planning process, and rules direct the TWDB staff to provide technical assistance upon request. Staff of the TWDB's Water Use, Projections, & Planning Division designed and conducted this analysis in support of the Region L Regional Water Planning Group.

This document summarizes the results of the analysis and discusses the methodology used to generate the results. Section 1 summarizes the water needs calculation performed by the TWDB based on the regional water planning group's data. Section 2 describes the methodology for the impact assessment and discusses approaches and assumptions specific to each water use category (i.e., irrigation, livestock, mining, steam-electric, municipal and manufacturing). Section 3 presents the results for each water use category with results summarized for the region as a whole. Appendix A presents details on the socioeconomic impacts by county.

1.1 Identified Regional Water Needs (Potential Shortages)

As part of the regional water planning process, the TWDB adopted water demand projections for each water user group (WUG) with input from the planning groups. WUGs are composed of cities, utilities, combined rural areas (designated as county-other), and the county-wide water use of irrigation, livestock, manufacturing, mining and steam-electric power. The demands are then compared to the existing water supplies of each WUG to determine potential shortages, or needs, by decade. Existing water supplies are legally and physically accessible for immediate use in the event of drought. Projected water demands and existing supplies are compared to identify either a surplus or a need for each WUG.

Table 1-1 summarizes the region's identified water needs in the event of a repeat of drought of the record. Demand management, such as conservation, or the development of new infrastructure to increase supplies are water management strategies that may be recommended by the planning group to meet those needs. This analysis assumes that no strategies are implemented, and that the identified needs correspond to future water shortages. Note that projected water needs generally increase over time, primarily due to anticipated population and economic growth. To provide a general sense of proportion, total projected needs as an overall percentage of total demand by water use category are presented in aggregate in Table 1-1. Projected needs for individual water user groups within the aggregate vary greatly, and may reach 100% for a given WUG and water use category. Detailed water needs by WUG and county appear in Chapter 4 of the 2016 Region L Regional Water Plan.

Table 1-1 Regional Water Needs Summary by Water Use Category

| Water Use Category | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
|---|--|----------------|----------------|----------------|----------------|----------------|----------------|
| Irrigation | Water Needs (acre-feet per year) | 105,799 | 97,325 | 89,057 | 81,302 | 73,968 | 67,383 |
| | % of the category's total water demand | 31% | 29% | 28% | 27% | 25% | 24% |
| Livestock | Water Needs (acre-feet per year) | - | - | - | - | - | - |
| | % of the category's total water demand | - | - | - | - | - | - |
| Manufacturing | Water Needs (acre-feet per year) | 6,616 | 10,213 | 13,778 | 19,265 | 29,210 | 40,376 |
| | % of the category's total water demand | 5% | 8% | 9% | 12% | 17% | 23% |
| Mining | Water Needs (acre-feet per year) | 10,822 | 10,481 | 8,694 | 5,147 | 2,073 | 666 |
| | % of the category's total water demand | 22% | 21% | 18% | 12% | 5% | 2% |
| Municipal | Water Needs (acre-feet per year) | 86,856 | 124,059 | 168,754 | 215,946 | 268,513 | 322,831 |
| | % of the category's total water demand | 19% | 24% | 29% | 34% | 39% | 43% |
| Steam-electric power | Water Needs (acre-feet per year) | 4,506 | 29,778 | 37,178 | 53,599 | 70,696 | 70,696 |
| | % of the category's total water demand | 8% | 33% | 37% | 44% | 48% | 46% |
| Total water needs (acre-feet per year) | | 214,599 | 271,856 | 317,461 | 375,259 | 444,460 | 501,952 |

2 Economic Impact Assessment Methodology Summary

This portion of the report provides a summary of the methodology used to estimate the potential economic impacts of future water shortages. The general approach employed in the analysis was to obtain estimates for income and job losses on the smallest geographic level that the available data would support, tie those values to their accompanying historic water use estimate (volume), and thereby determine a maximum impact per acre-foot of shortage for each of the socioeconomic measures. The calculations of economic impacts were based on the overall composition of the economy using many underlying economic “sectors.” Sectors in this analysis refer to one or more of the 440 specific production sectors of the economy designated within IMPLAN (Impact for Planning Analysis), the economic impact modeling software used for this assessment. Economic impacts within this report are

estimated for approximately 310 of those sectors, with the focus on the more water intense production sectors. The economic impacts for a single water use category consist of an aggregation of impacts to multiple related economic sectors.

2.1 Impact Assessment Measures

A required component of the regional and state water plans is to estimate the potential economic impacts of shortages due to a drought of record. Consistent with previous water plans, several key variables were estimated and are described in Table 2-1.

Table 2-1 Socioeconomic Impact Analysis Measures

| Regional Economic Impacts | Description |
|--|---|
| Income losses - value added | The value of output less the value of intermediate consumption; it is a measure of the contribution to GDP made by an individual producer, industry, sector, or group of sectors within a year. For a shortage, value added is a measure of the income losses to the region, county, or WUG and includes the direct, indirect and induced monetary impacts on the region. |
| Income losses - electrical power purchase costs | Proxy for income loss in the form of additional costs of power as a result of impacts of water shortages. |
| Job losses | Number of part-time and full-time jobs lost due to the shortage. |
| Financial Transfer Impacts | Description |
| Tax losses on production and imports | Sales and excise taxes (not collected due to the shortage), customs duties, property taxes, motor vehicle licenses, severance taxes, other taxes, and special assessments less subsidies. |
| Water trucking costs | Estimate for shipping potable water. |
| Utility revenue losses | Foregone utility income due to not selling as much water. |
| Utility tax revenue losses | Foregone miscellaneous gross receipts tax collections. |
| Social Impacts | Description |
| Consumer surplus losses | A welfare measure of the lost value to consumers accompanying less water use. |
| Population losses | Population losses accompanying job losses. |
| School enrollment losses | School enrollment losses (K-12) accompanying job losses. |

2.1.1 Regional Economic Impacts

Two key measures were included within the regional economic impacts classification: income losses and job losses. Income losses presented consist of the sum of value added losses and additional purchase costs of electrical power. Job losses are also presented as a primary economic impact measure.

Income Losses - Value Added Losses

Value added is the value of total output less the value of the intermediate inputs also used in production of the final product. Value added is similar to Gross Domestic Product (GDP), a familiar measure of the productivity of an economy. The loss of value added due to water shortages was estimated by input-output analysis using the IMPLAN software package, and includes the direct, indirect, and induced monetary impacts on the region.

Income Losses - Electric Power Purchase Costs

The electrical power grid and market within the state is a complex interconnected system. The industry response to water shortages, and the resulting impact on the region, are not easily modeled using traditional input/output impact analysis and the IMPLAN model. Adverse impacts on the region will occur, and were represented in this analysis by the additional costs associated with power purchases from other generating plants within the region or state. Consequently, the analysis employed additional power purchase costs as a proxy for the value added impacts for that water use category, and these are included as a portion of the overall income impact for completeness.

For the purpose of this analysis, it was assumed that power companies with insufficient water will be forced to purchase power on the electrical market at a projected higher rate of 5.60 cents per kilowatt hour. This rate is based upon the average day-ahead market purchase price of electricity in Texas from the recent drought period in 2011.

Job Losses

The number of jobs lost due to the economic impact was estimated using IMPLAN output associated with the water use categories noted in Table 1-1. Because of the difficulty in predicting outcomes and a lack of relevant data, job loss estimates were not calculated for the steam-electric power production or for certain municipal water use categories.

2.1.2 Financial Transfer Impacts

Several of the impact measures estimated within the analysis are presented as supplemental information, providing additional detail concerning potential impacts on a sub-portion of the economy or government. Measures included in this category include lost tax collections (on production and imports), trucking costs for imported water, declines in utility revenues, and declines in utility tax revenue collected by the state. Many of these measures are not solely adverse, with some having both positive and negative impacts. For example, cities and residents would suffer if forced to pay large costs for trucking in potable water. Trucking firms, conversely, would benefit from the transaction. Additional detail for each of these measures follows.

Tax Losses on Production and Imports

Reduced production of goods and services accompanying water shortages adversely impacts the collection of taxes by state and local government. The regional IMPLAN model was used to estimate reduced tax collections associated with the reduced output in the economy.

Water Trucking Costs

In instances where water shortages for a municipal water user group were estimated to be 80 percent or more of water demands, it was assumed that water would be trucked in to support basic consumption and sanitation needs. For water shortages of 80 percent or greater, a fixed cost of \$20,000 per acre-foot of water was calculated and presented as an economic cost. This water trucking cost was applied for both the residential and non-residential portions of municipal water needs and only impacted a small number of WUGs statewide.

Utility Revenue Losses

Lost utility income was calculated as the price of water service multiplied by the quantity of water not sold during a drought shortage. Such estimates resulted from city-specific pricing data for both water and wastewater. These water rates were applied to the potential water shortage to determine estimates of lost utility revenue as water providers sold less water during the drought due to restricted supplies.

Utility Tax Losses

Foregone utility tax losses included estimates of uncollected miscellaneous gross receipts taxes. Reduced water sales reduce the amount of utility tax that would be collected by the State of Texas for water and wastewater service sales.

2.1.3 Social Impacts

Consumer Surplus Losses of Municipal Water Users

Consumer surplus loss is a measure of impact to the wellbeing of municipal water users when their water use is restricted. Consumer surplus is the difference between how much a consumer is willing and able to pay for the commodity (i.e., water) and how much they actually have to pay. The difference is a benefit to the consumer's wellbeing since they do not have to pay as much for the commodity as they would be willing to pay. However, consumer's access to that water may be limited, and the associated consumer surplus loss is an estimate of the equivalent monetary value of the negative impact to the consumer's wellbeing, for example, associated with a diminished quality of their landscape (i.e., outdoor use). Lost consumer surplus estimates for reduced outdoor and indoor use, as well as residential and commercial/institutional demands, were included in this analysis. Consumer surplus is an attempt to measure effects on wellbeing by monetizing those effects; therefore, these values should not be added to the other monetary impacts estimated in the analysis.

Lost consumer surplus estimates varied widely by location and type. For a 50 percent shortage, the estimated statewide consumer surplus values ranged from \$55 to \$2,500 per household (residential use), and from \$270 to \$17,400 per firm (non-residential).

Population and School Enrollment Losses

Population losses due to water shortages, as well as the related loss of school enrollment, were based upon the job loss estimates and upon a recent study of job layoffs and the resulting adjustment of the labor market, including the change in population.¹ The study utilized Bureau of Labor Statistics data regarding layoffs between 1996 and 2013, as well as Internal Revenue Service data regarding migration, to model an estimate of the change in the population as the result of a job layoff event. Layoffs impact both out-migration, as well as in-migration into an area, both of which can negatively affect the population of an area. In addition, the study found that a majority of those who did move following a layoff moved to another labor market rather than an adjacent county. Based on this study, a simplified ratio of job and net population losses was calculated for the state as a whole: for every 100 jobs lost, 18 people were assumed to move out of the area. School enrollment losses were estimated as a proportion of the population lost.

2.2 Analysis Context

The context of the economic impact analysis involves situations where there are physical shortages of surface or groundwater due to drought of record conditions. Anticipated shortages may be nonexistent in earlier decades of the planning horizon, yet population growth or greater industrial, agricultural or other sector demands in later decades may result in greater overall demand, exceeding the existing supplies. Estimated socioeconomic impacts measure what would happen if water user groups experience water shortages for a period of one year. Actual socioeconomic impacts would likely become larger as drought of record conditions persist for periods greater than a single year.

2.2.1 IMPLAN Model and Data

Input-Output analysis using the IMPLAN (Impact for Planning Analysis) software package was the primary means of estimating value added, jobs, and taxes. This analysis employed county and regional level models to determine key impacts. IMPLAN is an economic impact model, originally developed by the U.S. Forestry Service in the 1970's to model economic activity at varying geographic levels. The model is currently maintained by the Minnesota IMPLAN Group (MIG Inc.) which collects and sells county and state specific data and software. The year 2011 version of IMPLAN, employing data for all 254 Texas counties, was used to provide estimates of value added, jobs, and taxes on production for the economic sectors associated with the water user groups examined in the study. IMPLAN uses 440 sector-specific Industry Codes, and those that rely on water as a primary input were assigned to their relevant planning water user categories (manufacturing, mining, irrigation, etc.). Estimates of value added for a water use category were obtained by summing value added estimates across the relevant IMPLAN sectors

¹ Foote, Andrew, Grosz, Michel, Stevens, Ann. "Locate Your Nearest Exit: Mass Layoffs and Local Labor Market Response." University of California, Davis. April 2015. <http://paa2015.princeton.edu/uploads/150194>

associated with that water use category. Similar calculations were performed for the job and tax losses on production and import impact estimates.

Note that the value added estimates, as well as the job and tax estimates from IMPLAN, include three components:

- *Direct effects* representing the initial change in the industry analyzed;
- *Indirect effects* that are changes in inter-industry transactions as supplying industries respond to reduced demands from the directly affected industries; and,
- *Induced effects* that reflect changes in local spending that result from reduced household income among employees in the directly and indirectly affected industry sectors.

2.2.2 Elasticity of Economic Impacts

The economic impact of a water need is based on the relative size of the water need to the water demand for each water user group (Figure 2-1). Smaller water shortages, for example, less than 5 percent, were anticipated to result in no initial negative economic impact because water users are assumed to have a certain amount of flexibility in dealing with small shortages. As a water shortage deepens, however, such flexibility lessens and results in actual and increasing economic losses, eventually reaching a representative maximum impact estimate per unit volume of water. To account for such ability to adjust, an elasticity adjustment function was used in estimating impacts for several of the measures. Figure 2-1 illustrates the general relationship for the adjustment functions. Negative impacts are assumed to begin accruing when the shortage percentage reaches the lower bound b1 (10 percent in Figure 2-1), with impacts then increasing linearly up to the 100 percent impact level (per unit volume) once the upper bound for adjustment reaches the b2 level shortage (50 percent in Figure 2-1 example).

Initially, the combined total value of the three value added components (direct, indirect, and induced) was calculated and then converted into a per acre-foot economic value based on historical TWDB water use estimates within each particular water use category. As an example, if the total, annual value added for livestock in the region was \$2 million and the reported annual volume of water used in that industry was 10,000 acre-feet, the estimated economic value per acre-foot of water shortage would be \$200 per acre-foot. Negative economic impacts of shortages were then estimated using this value as the maximum impact estimate (\$200 per acre-foot in the example) applied to the anticipated shortage volume in acre-feet and adjusted by the economic impact elasticity function. This adjustment varied with the severity as percentage of water demand of the anticipated shortage. If one employed the sample elasticity function shown in Figure 2-1, a 30% shortage in the water use category would imply an economic impact estimate of 50% of the original \$200 per acre-foot impact value (i.e., \$100 per acre-foot).

Such adjustments were not required in estimating consumer surplus, nor for the estimates of utility revenue losses or utility tax losses. Estimates of lost consumer surplus relied on city-specific demand curves with the specific lost consumer surplus estimate calculated based on the relative percentage of the city's water shortage. Estimated changes in population as well as changes in school enrollment were indirectly related to the elasticity of job losses.

Assumed values for the bounds b1 and b2 varied with water use category under examination and are presented in Table 2-2.

Figure 2-1 Example Economic Impact Elasticity Function (as applied to a single water user's shortage)

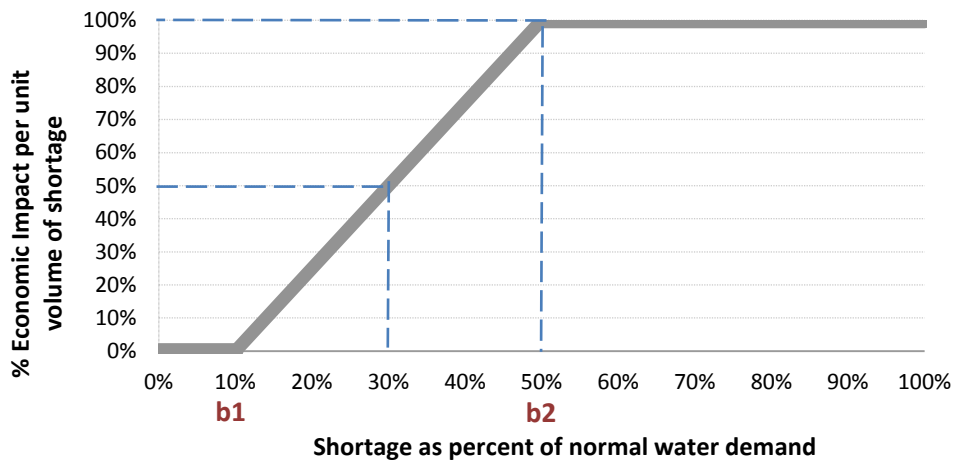


Table 2-2 Economic Impact Elasticity Function Lower and Upper Bounds

| Water Use Category | Lower Bound (b1) | Upper Bound (b2) |
|---|------------------|------------------|
| Irrigation | 5% | 50% |
| Livestock | 5% | 10% |
| Manufacturing | 10% | 50% |
| Mining | 10% | 50% |
| Municipal (non-residential water intensive) | 50% | 80% |
| Steam-electric power | 20% | 70% |

2.3 Analysis Assumptions and Limitations

Modeling of complex systems requires making assumptions and accepting limitations. This is particularly true when attempting to estimate a wide variety of economic impacts over a large geographic area and into future decades. Some of the key assumptions and limitations of the methodology include:

1. The foundation for estimating socioeconomic impacts of water shortages resulting from a drought are the water needs (potential shortages) that were identified as part of the regional water planning process. These needs have some uncertainty associated with them, but serve as a reasonable basis for evaluating potential economic impacts of a drought of record event.

2. All estimated socioeconomic impacts are snapshot estimates of impacts for years in which water needs were identified (i.e., 2020, 2030, 2040, 2050, 2060, and 2070). The estimates are independent and distinct “what if” scenarios for each particular year, and water shortages are assumed to be temporary events resulting from severe drought conditions. The evaluation assumed that no recommended water management strategies are implemented. In other words, growth occurs, future shocks are imposed on an economy at 10-year intervals, and the resulting impacts are estimated. Note that the estimates presented were not cumulative (i.e., summing up expected impacts from today up to the decade noted), but were simply an estimate of the magnitude of annual socioeconomic impacts should a drought of record occur in each particular decade based on anticipated supplies and demands for that same decade.
3. Input-output models such as IMPLAN rely on a static profile of the structure of the economy as it appears today. This presumes that the relative contributions of all sectors of the economy would remain the same, regardless of changes in technology, supplies of limited resources, and other structural changes to the economy that may occur into the future. This was a significant assumption and simplification considering the 50-year time period examined in this analysis. To presume an alternative future economic makeup, however, would entail positing many other major assumptions that would very likely generate as much or more error.
4. This analysis is not a cost-benefit analysis. That approach to evaluating the economic feasibility of a specific policy or project employs discounting future benefits and costs to their present value dollars using some assumed discount rate. The methodology employed in this effort to estimate the economic impacts of future water shortages did not use any discounting procedures to weigh future costs differently through time.
5. Monetary figures are reported in constant year 2013 dollars.
6. Impacts are annual estimates. The estimated economic model does not reflect the full extent of impacts that might occur as a result of persistent water shortages occurring over an extended duration. The drought of record in most regions of Texas lasted several years.
7. Value added estimates are the primary estimate of the economic impacts within this report. One may be tempted to add consumer surplus impacts to obtain an estimate of total adverse economic impacts to the region, but the consumer surplus measure represents the change to the wellbeing of households (and other water users), not an actual change in the flow of dollars through the economy. The two categories (value added and consumer surplus) are both valid impacts but should not be summed.
8. The value added, jobs, and taxes on production and import impacts include the direct, indirect and induced effects described in Section 2.2.1. Population and school enrollment losses also indirectly include such effects as they are based on the associated losses in employment. The remaining measures (consumer surplus, utility revenue, utility taxes, additional electrical power purchase costs, and potable water trucking costs), however, do not include any induced or indirect effects.

9. The majority of impacts estimated in this analysis may be considered smaller than those that might occur under drought of record conditions. Input-output models such as IMPLAN only capture “backward linkages” on suppliers (including households that supply labor to directly affected industries). While this is a common limitation in these types of economic impact modeling efforts, it is important to note that “forward linkages” on the industries that use the outputs of the directly affected industries can also be very important. A good example is impacts on livestock operators. Livestock producers tend to suffer substantially during droughts, not because there is not enough water for their stock, but because reductions in available pasture and higher prices for purchased hay have significant economic effects on their operations. Food processors could be in a similar situation if they cannot get the grains or other inputs that they need. These effects are not captured in IMPLAN, which is one reason why the impact estimates are likely conservative.
10. The methodology did not capture “spillover” effects between regions – or the secondary impacts that occur outside of the region where the water shortage is projected to occur.
11. The model did not reflect dynamic economic responses to water shortages as they might occur, nor does the model reflect economic impacts associated with a recovery from a drought of record including:
 - a. The likely significant economic rebound to the landscaping industry immediately following a drought;
 - b. The cost and years to rebuild liquidated livestock herds (a major capital item in that industry);
 - c. Direct impacts on recreational sectors (i.e., stranded docks and reduced tourism); or,
 - d. Impacts of negative publicity on Texas’ ability to attract population and business in the event that it was not able to provide adequate water supplies for the existing economy.
12. Estimates for job losses and the associated population and school enrollment changes may exceed what would actually occur. In practice, firms may be hesitant to lay off employees, even in difficult economic times. Estimates of population and school enrollment changes are based on regional evaluations and therefore do not accurately reflect what might occur on a statewide basis.
13. The results must be interpreted carefully. It is the general and relative magnitudes of impacts as well as the changes of these impacts over time that should be the focus rather than the absolute numbers. Analyses of this type are much better at predicting relative percent differences brought about by a shock to a complex system (i.e., a water shortage) than the precise size of an impact. To illustrate, assuming that the estimated economic impacts of a drought of record on the manufacturing and mining water user categories are \$2 and \$1 million, respectively, one should be more confident that the economic impacts on manufacturing are twice as large as those on mining and that these impacts will likely be in the millions of dollars. But one should have less confidence that the actual total economic impact experienced would be \$3 million.

3 Analysis Results

This section presents a breakdown of the results of the regional analysis for Region L. Projected economic impacts for six water use categories (irrigation, livestock, municipal, manufacturing, mining, and steam-electric power) are also reported by decade.

3.1 Overview of the Regional Economy

Table 3-1 presents the 2011 economic baseline as represented by the IMPLAN model and adjusted to 2013 dollars for Region L. In year 2011, Region L generated about \$119 billion in gross state product associated with 1.4 million jobs based on the 2011 IMPLAN data. These values represent an approximation of the current regional economy for a reference point.

Table 3-1 Region L Economy

| Income (\$ millions)* | Jobs | Taxes on production and imports (\$ millions)* |
|------------------------------|------------------|---|
| \$118,558 | 1,421,846 | \$8,686 |

¹Year 2013 dollars based on 2011 IMPLAN model value added estimates for the region.

The remainder of Section 3 presents estimates of potential economic impacts for each water use category that could reasonably be expected in the event of water shortages associated with a drought of record and if no recommended water management strategies were implemented.

3.2 Impacts for Irrigation Water Shortages

Eight of the 21 counties in the region are projected to experience water shortages in the irrigated agriculture water use category for one or more decades within the planning horizon. Estimated impacts to this water use category appear in Table 3-2. Note that tax collection impacts were not estimated for this water use category. IMPLAN data indicates a negative tax impact (i.e., increased tax collections) for the associated production sectors, primarily due to past subsidies from the federal government. Two factors led to excluding any reported tax impacts: 1) Federal support (subsidies) has lessened greatly since the year 2011 IMPLAN data was collected, and 2) It was not considered realistic to report increasing tax revenue collections for a drought of record.

Table 3-2 Impacts of Water Shortages on Irrigation in Region

| Impact Measure | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
|-------------------------------------|-------|-------|-------|------|------|------|
| Income losses (\$ millions)* | \$32 | \$28 | \$25 | \$22 | \$19 | \$16 |
| Job losses | 1,377 | 1,233 | 1,091 | 950 | 814 | 701 |

** Year 2013 dollars, rounded. Entries denoted by a dash (-) indicate no economic impact. Entries denoted by a zero (\$0) indicate income losses less than \$500,000.*

3.3 Impacts for Livestock Water Shortages

None of the 21 counties in the region are projected to experience water shortages in the livestock water use category for one or more decades within the planning horizon. Estimated impacts to this water use category appear in Table 3-3. Note that tax impacts are not reported for this water use category for similar reasons that apply to the irrigation water use category described above.

Table 3-3 Impacts of Water Shortages on Livestock in Region

| Impact Measures | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
|-------------------------------------|------|------|------|------|------|------|
| Income losses (\$ millions)* | - | - | - | - | - | - |
| Jobs losses | - | - | - | - | - | - |

** Year 2013 dollars, rounded. Entries denoted by a dash (-) indicate no economic impact. Entries denoted by a zero (\$0) indicate income losses less than \$500,000*

3.4 Impacts for Municipal Water Shortages

Seventeen of the 21 counties in the region are projected to experience water shortages in the municipal water use category for one or more decades within the planning horizon. Impact estimates were made for the two subtypes of use within municipal use: residential, and non-residential. The latter includes commercial and institutional users. Consumer surplus measures were made for both residential and non-residential demands. In addition, available data for the non-residential, water-intensive portion of municipal demand allowed use of IMPLAN and TWDB Water Use Survey data to estimate income loss, jobs, and taxes. Trucking cost estimates, calculated for shortages exceeding 80 percent, assumed a fixed cost of \$20,000 per acre-foot to transport water for municipal use. The estimated impacts to this water use category appear in Table 3-4.

Table 3-4 Impacts of Water Shortages on Municipal Water Users in Region

| Impact Measures | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| Income losses¹ (\$ millions)* | \$178 | \$243 | \$340 | \$450 | \$658 | \$1,600 |
| Job losses¹ | 3,225 | 4,407 | 6,169 | 8,163 | 11,931 | 28,863 |
| Tax losses on production and imports¹ (\$ millions)* | \$15 | \$21 | \$29 | \$38 | \$56 | \$136 |
| Consumer surplus losses (\$ millions)* | \$29 | \$58 | \$108 | \$171 | \$264 | \$403 |
| Trucking costs (\$ millions)* | \$0 | \$0 | \$0 | \$1 | \$1 | \$3 |
| Utility revenue losses (\$ millions)* | \$210 | \$304 | \$418 | \$537 | \$625 | \$809 |
| Utility tax revenue losses (\$ millions)* | \$4 | \$6 | \$8 | \$10 | \$12 | \$15 |

¹ Estimates apply to the water-intensive portion of non-residential municipal water use.

* Year 2013 dollars, rounded. Entries denoted by a dash (-) indicate no economic impact. Entries denoted by a zero (\$0) indicate income losses less than \$500,000.

3.5 Impacts of Manufacturing Water Shortages

Manufacturing water shortages in the region are projected to occur in 6 of the 21 counties in the region for at least one decade of the planning horizon. Estimated impacts to this water use category appear in Table 3-5.

Table 3-5 Impacts of Water Shortages on Manufacturing in Region

| Impacts Measures | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| Income losses (\$ millions)* | \$724 | \$889 | \$1,123 | \$1,367 | \$1,709 | \$2,176 |
| Job losses | 8,455 | 10,113 | 12,091 | 14,005 | 16,702 | 20,267 |
| Tax losses on production and Imports (\$ millions)* | \$44 | \$55 | \$71 | \$89 | \$113 | \$148 |

* Year 2013 dollars, rounded. Entries denoted by a dash (-) indicate no economic impact. Entries denoted by a zero (\$0) indicate income losses less than \$500,000.

3.6 Impacts of Mining Water Shortages

Mining water shortages in the region are projected to occur in 4 of the 21 counties in the region for at least one decade of the planning horizon. Estimated impacts to this water use type appear in Table 3-6.

Table 3-6 Impacts of Water Shortages on Mining in Region

| Impact Measures | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
|--|-------|-------|-------|-------|-------|------|
| Income losses (\$ millions)* | \$925 | \$895 | \$743 | \$432 | \$177 | \$48 |
| Job losses | 5,220 | 5,055 | 4,199 | 2,441 | 1,002 | 272 |
| Tax losses on production and Imports (\$ millions)* | \$114 | \$110 | \$92 | \$53 | \$22 | \$6 |

** Year 2013 dollars, rounded. Entries denoted by a dash (-) indicate no economic impact. Entries denoted by a zero (\$0) indicate income losses less than \$500,000.*

3.7 Impacts of Steam-Electric Water Shortages

Steam-electric water shortages in the region are projected to occur in 1 of the 21 counties in the region for at least one decade of the planning horizon. Estimated impacts to this water use category appear in Table 3-7.

Note that estimated economic impacts to steam-electric water users:

- Are reflected as an income loss proxy in the form of the estimated additional purchasing costs for power from the electrical grid that could not be generated due to a shortage;
- Do not include estimates of impacts on jobs. Because of the unique conditions of power generators during drought conditions and lack of relevant data, it was assumed that the industry would retain, perhaps relocating or repurposing, their existing staff in order to manage their ongoing operations through a severe drought.
- Does not presume a decline in tax collections. Associated tax collections, in fact, would likely increase under drought conditions since, historically, the demand for electricity increases during times of drought, thereby increasing taxes collected on the additional sales of power.

Table 3-7 Impacts of Water Shortages on Steam-Electric Power in Region

| Impact Measures | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
|-------------------------------------|-------|-------|---------|---------|---------|---------|
| Income Losses (\$ millions)* | \$132 | \$872 | \$1,089 | \$1,570 | \$2,070 | \$2,070 |

** Year 2013 dollars, rounded. Entries denoted by a dash (-) indicate no economic impact. Entries denoted by a zero (\$0) indicate income losses less than \$500,000.*

3.8 Regional Social Impacts

Projected changes in population, based upon several factors (household size, population, and job loss estimates), as well as the accompanying change in school enrollment, were also estimated and are summarized in Table 3-8.

Table 3-8 Region-wide Social Impacts of Water Shortages in Region

| Impact Measures | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|
| Consumer surplus losses (\$ millions)* | \$29 | \$58 | \$108 | \$171 | \$264 | \$403 |
| Population losses | 3,356 | 3,821 | 4,324 | 4,693 | 5,591 | 9,199 |
| School enrollment losses | 621 | 707 | 800 | 868 | 1,034 | 1,702 |

** Year 2013 dollars, rounded. Entries denoted by a dash (-) indicate no economic impact. Entries denoted by a zero (\$0) indicate income losses less than \$500,000.*

Appendix A - County Level Summary of Estimated Economic Impacts for Region L

County level summary of estimated economic impacts of not meeting identified water needs by water use category and decade (in 2013 dollars, rounded). Values presented only for counties with projected economic impacts for at least one decade.

** Entries denoted by a dash (-) indicate no economic impact. Entries denoted by a zero (\$0) indicate income losses less than \$500,000*

| | | Income losses (Million \$)* | | | | | | Job losses | | | | | | Consumer Surplus losses (Million \$)* | | | | | |
|------------------------|---------------|-----------------------------|--------------|--------------|----------------|----------------|----------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------------------------------|-------------|-------------|--------------|--------------|--------------|
| County | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| ATASCOSA | MUNICIPAL | - | - | - | \$0 | \$3 | \$7 | - | - | - | 2 | 61 | 124 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| ATASCOSA Total | | - | - | - | \$0 | \$3 | \$7 | - | - | - | 2 | 61 | 124 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| BEXAR | IRRIGATION | \$2 | \$1 | \$1 | \$1 | \$1 | \$1 | 72 | 61 | 51 | 42 | 34 | 27 | - | - | - | - | - | - |
| BEXAR | MANUFACTURING | - | - | - | - | - | \$6 | - | - | - | - | - | 60 | - | - | - | - | - | - |
| BEXAR | MUNICIPAL | \$23 | \$34 | \$44 | \$56 | \$68 | \$476 | 422 | 613 | 799 | 1,015 | 1,231 | 8,631 | \$15 | \$34 | \$68 | \$107 | \$158 | \$216 |
| BEXAR Total | | \$25 | \$35 | \$45 | \$57 | \$69 | \$483 | 493 | 674 | 849 | 1,057 | 1,265 | 8,718 | \$15 | \$34 | \$68 | \$107 | \$158 | \$216 |
| CALDWELL | MUNICIPAL | \$0 | \$0 | \$0 | \$1 | \$4 | \$36 | 5 | 7 | 8 | 9 | 70 | 658 | \$0 | \$0 | \$0 | \$1 | \$2 | \$5 |
| CALDWELL Total | | \$0 | \$0 | \$0 | \$1 | \$4 | \$36 | 5 | 7 | 8 | 9 | 70 | 658 | \$0 | \$0 | \$0 | \$1 | \$2 | \$5 |
| CALHOUN | IRRIGATION | \$4 | \$3 | \$3 | \$3 | \$3 | \$2 | 96 | 84 | 76 | 70 | 64 | 59 | - | - | - | - | - | - |
| CALHOUN | MANUFACTURING | - | - | - | - | - | \$47 | - | - | - | - | - | 259 | - | - | - | - | - | - |
| CALHOUN Total | | \$4 | \$3 | \$3 | \$3 | \$3 | \$50 | 96 | 84 | 76 | 70 | 64 | 317 | - | - | - | - | - | - |
| COMAL | MANUFACTURING | \$710 | \$832 | \$950 | \$1,052 | \$1,195 | \$1,350 | 8,327 | 9,757 | 11,149 | 12,341 | 14,017 | 15,834 | - | - | - | - | - | - |
| COMAL | MUNICIPAL | - | - | - | - | \$61 | \$161 | - | - | - | - | 1,110 | 2,914 | \$1 | \$4 | \$10 | \$20 | \$32 | \$49 |
| COMAL Total | | \$710 | \$832 | \$950 | \$1,052 | \$1,256 | \$1,510 | 8,327 | 9,757 | 11,149 | 12,341 | 15,127 | 18,748 | \$1 | \$4 | \$10 | \$20 | \$32 | \$49 |
| DEWITT | MUNICIPAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | \$0 | - | \$0 |
| DEWITT Total | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | \$0 | - | \$0 |
| DIMMIT | IRRIGATION | \$1 | \$1 | \$1 | \$1 | \$1 | \$1 | 33 | 32 | 30 | 28 | 26 | 24 | - | - | - | - | - | - |
| DIMMIT | MINING | \$413 | \$420 | \$363 | \$234 | \$105 | \$44 | 2,333 | 2,373 | 2,052 | 1,320 | 591 | 251 | - | - | - | - | - | - |
| DIMMIT | MUNICIPAL | - | \$0 | \$1 | \$2 | - | - | - | 9 | 19 | 36 | - | - | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| DIMMIT Total | | \$414 | \$421 | \$365 | \$236 | \$105 | \$45 | 2,366 | 2,414 | 2,101 | 1,384 | 616 | 275 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FRIO | MUNICIPAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | \$0 |
| FRIO Total | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | \$0 |
| GONZALES | MUNICIPAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | \$0 | \$0 | \$0 |
| GONZALES Total | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | \$0 | \$0 | \$0 |
| GUADALUPE | MANUFACTURING | - | - | - | - | \$2 | \$16 | - | - | - | - | 28 | 219 | - | - | - | - | - | - |
| GUADALUPE | MUNICIPAL | - | - | \$42 | \$92 | \$148 | \$243 | - | - | 761 | 1,666 | 2,687 | 4,415 | \$0 | \$4 | \$10 | \$17 | \$30 | \$49 |
| GUADALUPE Total | | - | - | \$42 | \$92 | \$150 | \$260 | - | - | 761 | 1,666 | 2,715 | 4,634 | \$0 | \$4 | \$10 | \$17 | \$30 | \$49 |
| HAYS | MANUFACTURING | \$14 | \$16 | \$18 | \$20 | \$21 | \$23 | 129 | 146 | 165 | 182 | 198 | 214 | - | - | - | - | - | - |

| | | Income losses (Million \$)* | | | | | | Job losses | | | | | | Consumer Surplus losses (Million \$)* | | | | | |
|-----------------------|----------------------|-----------------------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------------------------------|-------------|--------------|--------------|--------------|--------------|
| County | | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 |
| HAYS | MUNICIPAL | \$1 | \$1 | \$2 | \$3 | \$30 | \$292 | 20 | 27 | 35 | 46 | 542 | 5,148 | \$0 | \$1 | \$2 | \$4 | \$18 | \$57 |
| HAYS Total | | \$15 | \$17 | \$20 | \$22 | \$51 | \$316 | 149 | 173 | 201 | 228 | 740 | 5,363 | \$0 | \$1 | \$2 | \$4 | \$18 | \$57 |
| KARNES | MINING | \$162 | \$113 | \$61 | \$2 | - | - | 910 | 631 | 342 | 13 | - | - | - | - | - | - | - | - |
| KARNES | MUNICIPAL | \$2 | \$1 | - | - | - | - | 36 | 12 | - | - | - | - | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| KARNES Total | | \$164 | \$113 | \$61 | \$2 | - | - | 947 | 643 | 342 | 13 | - | - | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| KENDALL | MUNICIPAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | \$0 | \$0 | \$1 |
| KENDALL Total | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | \$0 | \$0 | \$1 |
| LA SALLE | MINING | \$350 | \$363 | \$319 | \$196 | \$73 | \$4 | 1,977 | 2,051 | 1,805 | 1,107 | 411 | 21 | - | - | - | - | - | - |
| LA SALLE | MUNICIPAL | - | - | - | - | - | - | - | - | - | - | - | - | \$0 | \$0 | \$0 | \$0 | - | - |
| LA SALLE Total | | \$350 | \$363 | \$319 | \$196 | \$73 | \$4 | 1,977 | 2,051 | 1,805 | 1,107 | 411 | 21 | \$0 | \$0 | \$0 | \$0 | - | - |
| MEDINA | IRRIGATION | \$11 | \$10 | \$10 | \$9 | \$7 | \$6 | 524 | 485 | 447 | 399 | 346 | 301 | - | - | - | - | - | - |
| MEDINA | MUNICIPAL | - | - | - | \$0 | \$2 | \$3 | - | - | - | 1 | 29 | 60 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1 |
| MEDINA Total | | \$11 | \$10 | \$10 | \$9 | \$9 | \$10 | 524 | 485 | 447 | 399 | 375 | 361 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1 |
| UVALDE | IRRIGATION | \$9 | \$8 | \$7 | \$6 | \$5 | \$4 | 453 | 399 | 344 | 297 | 255 | 221 | - | - | - | - | - | - |
| UVALDE | MUNICIPAL | - | - | - | - | - | - | - | - | - | - | - | - | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| UVALDE Total | | \$9 | \$8 | \$7 | \$6 | \$5 | \$4 | 453 | 399 | 344 | 297 | 255 | 221 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| VICTORIA | IRRIGATION | \$1 | \$1 | \$1 | \$1 | \$1 | \$1 | 16 | 16 | 16 | 16 | 16 | 16 | - | - | - | - | - | - |
| VICTORIA | MANUFACTURING | - | \$42 | \$155 | \$296 | \$491 | \$734 | - | 211 | 776 | 1,482 | 2,459 | 3,680 | - | - | - | - | - | - |
| VICTORIA | MUNICIPAL | \$151 | \$206 | \$251 | \$297 | \$342 | \$381 | 2,741 | 3,741 | 4,548 | 5,388 | 6,201 | 6,913 | \$11 | \$14 | \$17 | \$19 | \$22 | \$25 |
| VICTORIA | STEAM ELECTRIC POWER | \$132 | \$872 | \$1,089 | \$1,570 | \$2,070 | \$2,070 | - | - | - | - | - | - | - | - | - | - | - | - |
| VICTORIA Total | | \$284 | \$1,121 | \$1,495 | \$2,163 | \$2,903 | \$3,186 | 2,757 | 3,968 | 5,340 | 6,887 | 8,676 | 10,609 | \$11 | \$14 | \$17 | \$19 | \$22 | \$25 |
| WILSON | MUNICIPAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | \$0 | \$0 | \$0 | \$0 |
| WILSON Total | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | \$0 | \$0 | \$0 | \$0 |
| ZAVALA | IRRIGATION | \$4 | \$4 | \$3 | \$2 | \$2 | \$1 | 182 | 156 | 127 | 99 | 74 | 53 | - | - | - | - | - | - |
| ZAVALA Total | | \$4 | \$4 | \$3 | \$2 | \$2 | \$1 | 182 | 156 | 127 | 99 | 74 | 53 | - | - | - | - | - | - |
| Regional Total | | \$1,990 | \$2,928 | \$3,320 | \$3,841 | \$4,633 | \$5,911 | 18,277 | 20,809 | 23,550 | 25,559 | 30,450 | 50,102 | \$29 | \$58 | \$108 | \$171 | \$264 | \$403 |



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Appendix G

Endangered, Threatened, or Species of Concern

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Table G-1. Endangered, Threatened, or Species of Concern – Atascosa County

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|-----------------------|---|---|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| BIRDS | | | | | |
| Interior least tern | <i>Sterna antillarum athalassos</i> | Nests along sand and gravel bars in braided streams | LE | E | Resident |
| Peregrine Falcon | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state. | DL | T | Potential Migrant |
| | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state. | DL | | Potential Migrant |
| Sprague’s Pipit | <i>Anthus spragueii</i> | Only in Texas during migration and winter. | C | | Potential Migrant |
| Western Burrowing Owl | <i>Athene cunicularia hypugaea</i> | Open grasslands, especially prairie, plains and savanna | | | Resident |
| Whooping Crane | <i>Grus americana</i> | Potential migrant | LE | E | Potential Migrant |
| Wood Stork | <i>Mycteria americana</i> | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX | | T | Potential Migrant |
| CRUSTACEANS | | | | | |
| Nueces crayfish | <i>Procambarus nueces</i> | Known only from one tributary to the Nueces River. | | | Resident |
| MAMMALS | | | | | |
| Black bear | <i>Ursus americanus</i> | Inhabits bottomland hardwoods | T/SA;NL | T | Historic Resident |
| Cave myotis bat | <i>Myotis velifer</i> | Roosts colonially in caves, rock crevices | | | Resident |
| Ocelot | <i>Leopardus pardalis</i> | Found in dense chaparral thickets, and oak mottes. | LE | E | Resident |
| Plains spotted skunk | <i>Spilogale putorius interrupta</i> | Prefers wooded, brushy areas. | | | Resident |
| Red wolf | <i>Canis rufus</i> | Extirpated. | LE | E | Historic Resident |
| MOLLUSKS | | | | | |
| Golden orb | <i>Quadrula aurea</i> | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins | C | T | Resident |
| PLANTS | | | | | |
| Elmendorf’s onion | <i>Allium elmendorffii</i> | Endemic, in deep sands | | | Resident |
| Green beebalm | <i>Monarda viridissima</i> | Endemic perennial herb of the Carrizo Sands. | | | Resident |
| Park’s jointweed | <i>Polygonella parksii</i> | Endemic; deep loose sands of Carrizo and similar Eocene formations. | | | Resident |

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|--|---------------------------------------|---|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| Sandhill woollywhite | <i>Hymenopappus carrizoanus</i> | Found south of the Guadalupe River and the Balcones Escarpment. Prefers dense riparian corridors. | | | Resident |
| REPTILES | | | | | |
| Spot-tailed earless lizard | <i>Holbrookia lacerata</i> | Moderately open prairie-brushland. | | | Resident |
| Texas garter snake | <i>Thamnophis sirtalis annectens</i> | Wet or moist microhabitats | | | Resident |
| Texas horned lizard | <i>Phrynosoma cornutum</i> | Varied, sparsely vegetated uplands. | | T | Resident |
| Texas indigo snake | <i>Drymarchon melanurus erebennus</i> | Found south of the Guadalupe river and Balcones Escarpment. | | T | Resident |
| Texas tortoise | <i>Gopherus berlandieri</i> | Open brush w/ grass understory. | | T | Resident |
| <p>LE/LT -- Federally Listed Endangered/Threatened DL, PDL -- Federally Delisted/proposed for delisting T/SA -- Listed as Threatened by similarity of appearance E, T -- State listed Endangered/Threatened C -- Species of Concern Blank -- Not yet listed by TPWD or USFWS, but considered rare Source: TPWD, Annotated County List of Rare Species, Atascosa County (Updated 8/7/2012),</p> | | | | | |

Table G-2. Endangered, Threatened, or Species of Concern – Bexar County

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|---------------------------------------|---|---|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| AMPHIBIANS | | | | | |
| Cascade Caverns salamander | <i>Eurycea latitans complex</i> | Endemic, subaquatic in Edwards Aquifer Area | | T | Resident |
| Comal blind salamander | <i>Eurycea tridentifera</i> | Endemic; springs and waters of caves in Bexar County. | | T | Resident |
| Texas salamander | <i>Eurycea neotenes</i> | Endemic; springs, seeps, cave streams, Helotes and Leon Creek drainages in Bexar County | | | Resident |
| ARACHNIDS | | | | | |
| Braken Bat Cave meshweaver | <i>Cicurina venii</i> | Karst features in western Bexar County | LE | | Resident |
| Cokendolpher cave harvestman | <i>Texella cokendolpheri</i> | Karst features in north-central Bexar County | LE | | Resident |
| Government Canyon Bat Cave meshweaver | <i>Cicurina vespera</i> | Karst features in northwestern Bexar County | LE | | Resident |
| Government Canyon Bat Cave spider | <i>Neoleptoneta microps</i> | Karst features in northwestern Bexar County | LE | | Resident |
| Madla Cave meshweaver | <i>Cicurina madla</i> | Karst features in northern Bexar County | LE | | Resident |
| Robber Baron Cave meshweaver | <i>Cicurina baronia</i> | Karst features in north-central Bexar County | LE | | Resident |
| BIRDS | | | | | |
| Black-capped Vireo | <i>Vireo atricapillus</i> | Oak-juniper woodlands, | LE | E | Resident |
| Golden-cheeked Warbler | <i>Dendroica chrysoparia</i> | Juniper-oak woodlands. | LE | E | Resident |
| Interior least tern | <i>Sterna antillarum athalassos</i> | Nests along sand and gravel bars in braided streams | LE | E | Resident |
| Mountain Plover | <i>Charadrius montanus</i> | Non-breeding, shortgrass plains and fields | | | Possible Migrant |
| Peregrine Falcon | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state. | DL | T | Possible Migrant |
| | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state. | DL | | Possible Migrant |
| Sprague's Pipit | <i>Anthus spragueii</i> | Only in Texas during migration and winter. | C | | Potential Migrant |
| Western Burrowing Owl | <i>Athene cunicularia hypugaea</i> | Open grasslands, especially prairie, plains and savanna | | | Resident |
| White-faced Ibis | <i>Plegadis chihi</i> | Prefers freshwater marshes. | | T | Possible Migrant |
| Whooping Crane | <i>Grus americana</i> | Potential migrant | LE | E | Possible Migrant |

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|----------------------------|--------------------------------------|---|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| Wood Stork | <i>Mycteria americana</i> | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX | | T | Possible Migrant |
| Zone-tailed Hawk | <i>Buteo albonotatus</i> | Arid open country, often near watercourses | | T | Resident |
| CRUSTACEANS | | | | | |
| A cave obligate crustacean | <i>Monodella texana</i> | Subaquatic, underground freshwater aquifers | | | Resident |
| FISHES | | | | | |
| Guadalupe bass | <i>Micropterus treculi</i> | Endemic to perennial streams of the Edwards Plateau region. | | | Resident |
| Toothless blindcat | <i>Trogloglanis pattersoni</i> | Troglobitic, blind catfish endemic to the San Antonio Pool of the Edwards Aquifer | | T | Resident |
| Widemouth blindcat | <i>Satan eurystomus</i> | Troglobitic, blind catfish endemic to the San Antonio Pool of the Edwards Aquifer. | | T | Resident |
| INSECTS | | | | | |
| A ground beetle | <i>Rhadine exilis</i> | Karst features in northern Bexar County | LE | | Resident |
| A ground beetle | <i>Rhadine infernalis</i> | Karst features in northern and western Bexar County | LE | | Resident |
| Helotes mold beetle | <i>Batrissodes ventyivi</i> | Karst features in northwestern Bexar County | LE | | Resident |
| Manfreda giant-skipper | <i>Stallingsia maculosus</i> | Skipper larvae usually feed inside a leaf shelter. | | | Resident |
| Rawson's metalmark | <i>Calephelis rawsoni</i> | Moist areas in shaded limestone outcrops | | | Resident |
| MAMMALS | | | | | |
| Black bear | <i>Ursus americanus</i> | Inhabits bottomland hardwoods | T/SA;NL | T | Historic Resident |
| Cave myotis bat | <i>Myotis velifer</i> | Roosts colonially in caves, rock crevices | | | Resident |
| Ghost-faced bat | <i>Mormoops megalophylla</i> | Roosts in caves, crevices and buildings | | | Resident |
| Gray wolf | <i>Canis lupus</i> | Extirpated, forests, brushlands or grasslands | LE | E | Historic Resident |
| Plains spotted skunk | <i>Spilogale putorius interrupta</i> | Prefers wooded, brushy areas. | | | Resident |
| Red wolf | <i>Canis rufus</i> | Extirpated. | LE | E | Historic Resident |
| MOLLUSKS | | | | | |
| Creeper (squawfoot) | <i>Strophitus undulates</i> | Small to large streams | | | Resident |



| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|-----------------------------|---------------------------------------|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| False spike mussel | <i>Quincuncina mitchelli</i> | Substrates of cobble and mud with water lilies present. Rio Grande, Brazos, Colorado and Guadalupe river basins. | | T | Resident |
| Golden orb | <i>Quadrula aurea</i> | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins | C | T | Resident |
| Mimic Cavesnail | <i>Phreatodrobia imitata</i> | Subaquatic; only known from two wells penetrating the Edwards Aquifer | | | Resident |
| Texas fatmucket | <i>Lampsilis bracteata</i> | Streams and rivers on sand, mud and gravel, Colorado and Guadalupe River basins. | C | T | Resident |
| Texas pimpleback | <i>Quadrula petrina</i> | Mud, gravel and sand substrates, Colorado and Guadalupe river basins | C | T | Resident |
| PLANTS | | | | | |
| Big red sage | <i>Salvia penstemonoides</i> | Endemic; moist to seasonally wet clay or silt soils in creek beds. | | | Resident |
| Bracted twistflower | <i>Streptanthus bracteatus</i> | Endemic: found in shallow, well-drained gravelly clays and clay loams over limestone. | C | | Resident |
| Correll's false dragon-head | <i>Physostegia correllii</i> | Found in wet, silty clay loams on sides of streams and other wet areas. | | | Resident |
| Elmendorf's onion | <i>Allium elmendorfii</i> | Endemic, in deep sands | | | Resident |
| Hill Country wild-mercury | <i>Argythamnia aphoroides</i> | Endemic: found in grasslands associated with oak woodlands. | | | Resident |
| Park's jointweed | <i>Polygonella parksii</i> | Endemic; deep loose sands of Carrizo and similar Eocene formations. | | | Resident |
| Sandhill woollywhite | <i>Hymenopappus carrizoanus</i> | Found south of the Guadalupe River and the Balcones Escarpment. Prefers dense riparian corridors. | | | Resident |
| REPTILES | | | | | |
| Spot-tailed earless lizard | <i>Holbrookia lacerata</i> | Moderately open prairie-brushland. | | | Resident |
| Texas garter snake | <i>Thamnophis sirtalis annectens</i> | Wet or moist microhabitats | | | Resident |
| Texas horned lizard | <i>Phrynosoma cornutum</i> | Varied, sparsely vegetated uplands. | | T | Resident |
| Texas indigo snake | <i>Drymarchon melanurus erebennus</i> | Found south of the Guadalupe river and Balcones Escarpment. | | T | Resident |

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|---|-----------------------------|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| Texas tortoise | <i>Gopherus berlandieri</i> | Open brush w/ grass understory. | | T | Resident |
| Timber rattlesnake | <i>Crotalus horridus</i> | Floodplains, upland pine, deciduous woodlands, riparian zones. | | T | Resident |
| <p>LE/LT -- Federally Listed Endangered/Threatened DL, PDL -- Federally Delisted/proposed for delisting T/SA -- Listed as Threatened by similarity of appearance E, T -- State listed Endangered/Threatened C -- Species of Concern Blank -- Not yet listed by TPWD or USFWS, but considered rare Source: TPWD, Annotated County List of Rare Species, Bexar County (Updated 12/15/2014),</p> | | | | | |

Table G-3. Endangered, Threatened, or Species of Concern – Caldwell County

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|-----------------------|---|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| BIRDS | | | | | |
| Bald eagle | <i>Haliaeetus leucocephalus</i> | Found primarily near rivers and large lakes. | DL | T | Possible Migrant |
| Henslow's Sparrow | <i>Ammodramus henslowii</i> | Found in weedy fields or cut-over areas | | | Resident |
| Mountain Plover | <i>Charadrius montanus</i> | Non-breeding, shortgrass plains and fields | | | Possible Migrant |
| Peregrine Falcon | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state. | DL | T | Possible Migrant |
| | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state. | DL | | Possible Migrant |
| Sprague's Pipit | <i>Anthus spragueii</i> | Only in Texas during migration and winter. | C | | Possible Migrant |
| Western Burrowing Owl | <i>Athene cunicularia hypugaea</i> | Open grasslands, especially prairie, plains and savanna | | | Resident |
| Whooping Crane | <i>Grus americana</i> | Potential migrant | LE | E | Possible Migrant |
| Wood Stork | <i>Mycteria americana</i> | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX | | T | Possible Migrant |
| FISHES | | | | | |
| Blue sucker | <i>Cycleptus elongates</i> | Major rivers in Texas. | | T | Resident |
| Guadalupe bass | <i>Micropterus treculi</i> | Endemic to perennial streams of the Edwards Plateau region. | | | Resident |
| Guadalupe darter | <i>Percina sciera apristis</i> | Guadalupe River Basin. Usually found over gravel or gravel and sand raceways of larger streams and rivers. | | | Resident |
| MAMMALS | | | | | |
| Cave myotis bat | <i>Myotis velifer</i> | Roosts colonially in caves, rock crevices | | | Resident |
| Plains spotted skunk | <i>Spilogale putorius interrupta</i> | Prefers wooded, brushy areas. | | | Resident |
| Red wolf | <i>Canis rufus</i> | Extirpated. | LE | E | Historic Resident |
| MOLLUSKS | | | | | |
| Creeper (squawfoot) | <i>Strophitus undulates</i> | Small to large streams | | | Resident |
| False spike mussel | <i>Quincuncina mitchelli</i> | Substrates of cobble and mud with water lilies present. Rio Grande, Brazos, Colorado and Guadalupe river basins. | | T | Resident |

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|---|--------------------------------------|---|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| Golden orb | <i>Quadrula aurea</i> | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins | C | T | Resident |
| Texas fatmucket | <i>Lampsilis bracteata</i> | Streams and rivers on sand, mud and gravel, Colorado and Guadalupe River basins. | C | T | Resident |
| Texas pimpleback | <i>Quadrula petrina</i> | Mud, gravel and sand substrates, Colorado and Guadalupe river basins | C | T | Resident |
| PLANTS | | | | | |
| Green beebalm | <i>Monarda viridissima</i> | Endemic perennial herb of the Carrizo Sands. | | | Resident |
| Sandhill woollywhite | <i>Hymenopappus carrizoanus</i> | Found south of the Guadalupe River and the Balcones Escarpment. Prefers dense riparian corridors. | | | Resident |
| Shinner's sunflower | <i>Helianthus occidentalis</i> ssp. | Found on prairies on the Coastal Plain. | | | Resident |
| REPTILES | | | | | |
| Cagle's map turtle | <i>Graptemys caglei</i> | Endemic species found in the Guadalupe River system. | | T | Resident |
| Spot-tailed earless lizard | <i>Holbrookia lacerata</i> | Moderately open prairie-brushland. | | | Resident |
| Texas garter snake | <i>Thamnophis sirtalis annectens</i> | Wet or moist microhabitats | | | Resident |
| Texas horned lizard | <i>Phrynosoma cornutum</i> | Varied, sparsely vegetated uplands. | | T | Resident |
| Timber rattlesnake | <i>Crotalus horridus</i> | Floodplains, upland pine, deciduous woodlands, riparian zones. | | T | Resident |
| <p>LE/LT -- Federally Listed Endangered/Threatened DL, PDL -- Federally Delisted/proposed for delisting T/SA -- Listed as Threatened by similarity of appearance E, T -- State listed Endangered/Threatened C -- Species of Concern Blank -- Not yet listed by TPWD or USFWS, but considered rare Source: TPWD, Annotated County List of Rare Species, Caldwell County (Updated 4/28/2014),</p> | | | | | |

Table G-4. Endangered, Threatened, or Species of Concern – Calhoun County

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|---------------------------|---|---|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| AMPHIBIANS | | | | | |
| Black-spotted newt | <i>Notophthalmus meridionalis</i> | Usually found in wet or sometimes wet areas in the Gulf Coastal Plain south of the San Antonio River. | | T | Resident |
| Sheep frog | <i>Hypopachus variolosus</i> | Found in grassland and savanna; moist sites in arid areas. | | T | Resident |
| Southern crawfish frog | <i>Lithobates areolatus areolatus</i> | Found in abandoned crawfish holes and small mammal burrows. | | | Resident |
| BIRDS | | | | | |
| Bald eagle | <i>Haliaeetus leucocephalus</i> | Found primarily near rivers and large lakes. | DL | T | Possible Migrant |
| Brown pelican | <i>Pelecanus occidentalis</i> | <i>Largely coastal and near shore areas.</i> | DL | | Resident |
| Eskimo curlew | <i>Numenius borealis</i> | Historic, nonbreeding. | LE | E | Historic Resident |
| Henslow's Sparrow | <i>Ammodramus henslowii</i> | Found in weedy fields or cut-over areas | | | Resident |
| Mountain Plover | <i>Charadrius montanus</i> | Non-breeding, shortgrass plains and fields | | | Possible Migrant |
| Northern Aplomado Falcon | <i>Falco femoralis septentrionalis</i> | Found in open country, especially savanna and open woodland. | LE | E | Resident |
| Peregrine Falcon | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state. | DL | T | Possible Migrant |
| | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state. | DL | | Possible Migrant |
| Piping plover | <i>Charadrius melodus</i> | Wintering migrant along the Texas Gulf Coast. | LT | T | Possible Migrant |
| Reddish Egret | <i>Egretta rufescens</i> | Resident of Texas Gulf coast. | | T | Resident |
| Snowy Plover | <i>Charadrius alexandrines</i> | Potential migrant, winters along coast | | | Possible Migrant |
| Sooty Tern | <i>Sterna fuscata</i> | Usually flies or hovers over water. | | T | Resident |
| Southeastern Snowy Plover | <i>Charadrius alexandrines tenuirostris</i> | Wintering migrant along the Texas Gulf Coast. | | | Possible Migrant |
| Sprague's Pipit | <i>Anthus spragueii</i> | Only in Texas during migration and winter. | C | | Possible Migrant |
| Western Burrowing Owl | <i>Athene cunicularia hypugaea</i> | Open grasslands, especially prairie, plains and savanna | | | Resident |
| Western Snowy Plover | <i>Charadrius alexandrines nivosus</i> | Uncommon breeder in the Panhandle, potential migrant. | | | Possible Migrant |

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|-------------------------------|--------------------------------------|---|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| White-faced Ibis | <i>Plegadis chihi</i> | Prefers freshwater marshes. | | T | Resident |
| White-tailed Hawk | <i>Buteo albicaudatus</i> | Found near the coast on prairies. | | T | Resident |
| Whooping Crane | <i>Grus americana</i> | Potential migrant | LE | E | Possible Migrant |
| Wood Stork | <i>Mycteria americana</i> | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX | | T | Possible Migrant |
| FISHES | | | | | |
| American eel | <i>Anguilla rostrata</i> | Coastal waterways below reservoirs to gulf. | | | Resident |
| Opossum pipefish | <i>Microphis brachyurus</i> | Adults found in fresh or low salinity waters. | | T | Resident |
| Smalltooth sawfish | <i>Pristis pectinata</i> | Found in bays, estuaries or river mouths. | LE | E | Resident |
| MAMMALS | | | | | |
| Black bear | <i>Ursus americanus</i> | Inhabits bottomland hardwoods | T/SA;NL | T | Historic Resident |
| Jaguarundi | <i>Herpailurus yaguarondi</i> | Found in thick brushlands near water. | LE | E | Resident |
| Louisiana black bear | <i>Ursus americanus luteolus</i> | Possible transient. | LT | T | Transient |
| Ocelot | <i>Leopardus pardalis</i> | Found in dense chaparral thickets; mesquite-thorn scrub and live oak motts. | LE | E | Resident |
| Plains spotted skunk | <i>Spilogale putorius interrupta</i> | Prefers wooded, brushy areas. | | | Resident |
| Red wolf | <i>Canis rufus</i> | Extirpated. | LE | E | Historic Resident |
| West Indian manatee | <i>Trichechus manatus</i> | Gulf and bay systems. | LE | E | Resident |
| MOLLUSKS | | | | | |
| Creeper (squawfoot) | <i>Strophitus undulatus</i> | Small to large streams | | | Resident |
| PLANTS | | | | | |
| Threeflower broomweed | <i>Thurovia triflora</i> | Endemic: near coast. | | | Resident |
| REPTILES | | | | | |
| Atlantic hawksbill sea turtle | <i>Eretmochelys imbricate</i> | Found in Gulf and bay systems. | LE | E | Resident |
| Green sea turtle | <i>Chelonia mydas</i> | Gulf and bay systems. | LT | T | Resident |
| Gulf Saltmarsh snake | <i>Nerodia clarkii</i> | Found on saline flats. | | | Resident |
| Kemp's Ridley sea turtle | <i>Lepidochelys kempii</i> | Found in gulf and bay systems. | LE | E | Resident |
| Leatherback sea turtle | <i>Dermochelys coriacea</i> | Gulf and bay systems. | LE | E | Resident |



| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|---|---------------------------------------|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| Loggerhead sea turtle | <i>Caretta caretta</i> | Gulf and bay systems for juveniles, ocean for adults. | LT | T | Resident |
| Texas diamondback terrapin | <i>Malaclemys terrapin littoralis</i> | Found in coastal marshes and tidal flats. | | | Resident |
| Texas horned lizard | <i>Phrynosoma cornutum</i> | Varied, sparsely vegetated uplands. | | T | Resident |
| Texas scarlet snake | <i>Cemophora coccinea lineri</i> | Mixed hardwood scrub on sandy soils. | | T | Resident |
| Texas tortoise | <i>Gopherus berlandieri</i> | Open brush w/ grass understory. | | T | Resident |
| Timber rattlesnake | <i>Crotalus horridus</i> | Floodplains, upland pine, deciduous woodlands, riparian zones. | | T | Resident |
| <p>LE/LT -- Federally Listed Endangered/Threatened DL, PDL -- Federally Delisted/proposed for delisting T/SA -- Listed as Threatened by similarity of appearance E, T -- State listed Endangered/Threatened C -- Species of Concern Blank -- Not yet listed by TPWD or USFWS, but considered rare Source: TPWD, Annotated County List of Rare Species, Calhoun County (Updated 12/11/2014),</p> | | | | | |

Table G-5. Endangered, Threatened, or Species of Concern – Comal County

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|-----------------------------------|---|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| AMPHIBIANS | | | | | |
| Cascade Caverns salamander | <i>Eurycea latitans complex</i> | Endemic, subaquatic in Edwards Aquifer Area | | T | Resident |
| Comal Blind Salamander | <i>Eurycea tridentifera</i> | Endemic; springs and waters of caves in Bexar County. | | T | Resident |
| Comal Springs salamander | <i>Eurycea sp. 8</i> | Endemic, found in Comal Springs. | | | Resident |
| Edwards Plateau spring salamander | <i>Eurycea sp. 7</i> | Endemic: found in springs and waters of some caves in the Edwards Plateau. | | | Resident |
| BIRDS | | | | | |
| Bald eagle | <i>Haliaeetus leucocephalus</i> | Found primarily near rivers and large lakes. | DL | T | Possible Migrant |
| Black-capped Vireo | <i>Vireo atricapillus</i> | Oak-juniper woodlands, | LE | E | Resident |
| Golden-cheeked Warbler | <i>Dendroica chrysoparia</i> | Juniper-oak woodlands. | LE | E | Resident |
| Mountain Plover | <i>Charadrius montanus</i> | Non-breeding, shortgrass plains and fields | | | Possible Migrant |
| Peregrine Falcon | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state. | DL | T | Possible Migrant |
| | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state. | DL | | Possible Migrant |
| Sprague's Pipit | <i>Anthus spragueii</i> | Only in Texas during migration and winter. | C | | Possible Migrant |
| Western Burrowing Owl | <i>Athene cunicularia hypugaea</i> | Open grasslands, especially prairie, plains and savanna | | | Resident |
| Whooping Crane | <i>Grus americana</i> | Potential migrant | LE | E | Possible Migrant |
| Zone-tailed Hawk | <i>Buteo albonotatus</i> | Found in arid open country, often near watercourses. | | T | Resident |
| CRUSTACEANS | | | | | |
| Ezell's cave amphipod | <i>Stygobromus flagellates</i> | Known only from artesian wells. | | | Resident |
| Long-legged cave amphipod | <i>Stygobromus longipes</i> | Subaquatic crustacean found in streams. | | | Resident |
| Peck's cave amphipod | <i>Stygobromus pecki</i> | Aquatic crustacean collected at Comal Springs and Hueco Springs. | LE | E | Resident |
| FISHES | | | | | |

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|-------------------------------|--------------------------------------|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| Fountain darter | <i>Etheostoma fonticola</i> | Known only from the San Marcos and Comal Rivers. | LE | E | Resident |
| Guadalupe bass | <i>Micropterus treculi</i> | Endemic to perennial streams of the Edwards Plateau region. | | | Resident |
| Guadalupe darter | <i>Percina sciera apristis</i> | Guadalupe River Basin. Usually found over gravel or gravel and sand raceways of larger streams and rivers. | | | Resident |
| INSECTS | | | | | |
| A mayfly | <i>Pseudocentropiloides morihari</i> | Aquatic larval stage, adults generally found in shoreline vegetation. | | | Resident |
| Comal Springs diving beetle | <i>Comaldessus stygius</i> | Known only from the outflow at Comal Springs. | | | Resident |
| Comal Springs dryopid beetle | <i>Stygoparnus comalensis</i> | Adults usually found clinging to objects in streams, larvae live in soil or decaying wood. | LE | E | Resident |
| Comal Springs riffle beetle | <i>Heterelmis comalensis</i> | Found in Comal and San Marcos Springs. | LE | E | Resident |
| Edwards Aquifer diving beetle | <i>Haideoporus texanus</i> | Known from an artesian well in Hays County. | | | Resident |
| Rawson's metalmark | <i>Calephelis rawsoni</i> | Moist areas in shaded limestone outcrops | | | Resident |
| MAMMALS | | | | | |
| Black Bear | <i>Ursus americanus</i> | Inhabits bottomland hardwoods | T/SA;NL | T | Historic Resident |
| Cave Myotis Bat | <i>Myotis velifer</i> | Roosts colonially in caves, rock crevices | | | Resident |
| Jaguarundi | <i>Herpailurus yaguarondi</i> | Found in thick brushlands near water. | LE | E | Resident |
| Plains spotted skunk | <i>Spilogale putorius interrupta</i> | Prefers wooded, brushy areas. | | | Resident |
| Red wolf | <i>Canis rufus</i> | Extirpated. | LE | E | Historic Resident |
| MOLLUSKS | | | | | |
| Creeping (squawfoot) | <i>Strophitus undulatus</i> | Small to large streams | | | Resident |
| False spike mussel | <i>Quincuncina mitchelli</i> | Substrates of cobble and mud with water lilies present. Rio Grande, Brazos, Colorado and Guadalupe river basins. | | T | Resident |
| Golden orb | <i>Quadrula aurea</i> | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins | C | T | Resident |
| Horseshoe lip tooth snail | <i>Daedalochila hippocrepis</i> | Terrestrial snail only known from Landa Park in New Braunfels | | | Resident |
| Texas fatmucket | <i>Lampsilis bracteata</i> | Streams and rivers on sand, mud and gravel, Colorado and Guadalupe River basins. | C | T | Resident |

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|---|--------------------------------------|---|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| PLANTS | | | | | |
| Bracted twistflower | <i>Streptanthus bracteatus</i> | Endemic: found in shallow, well-drained gravelly clays and clay loams over limestone. | C | | Resident |
| Comal snakewood | <i>Colubrina stricta</i> | Found in El Paso County, historic in Comal County. | | | Historic Resident |
| Hill Country wild-mercury | <i>Argythamnia aphoroides</i> | Endemic; found primarily in grasslands associated with live oak woodlands. | | | |
| Texas mock-orange | <i>Philadelphus texensis</i> | Found on limestone outcrops on cliffs and rocky slopes. | | | Resident |
| REPTILES | | | | | |
| Cagle's map turtle | <i>Graptemys caglei</i> | Endemic to Guadalupe River System. Found within 30 feet of waters' edge. | | T | Resident |
| Spot-tailed earless lizard | <i>Holbrookia lacerata</i> | Moderately open prairie-brushland. | | | Resident |
| Texas garter snake | <i>Thamnophis sirtalis annectens</i> | Wet or moist microhabitats | | | Resident |
| Texas horned lizard | <i>Phrynosoma cornutum</i> | Varied, sparsely vegetated uplands. | | T | Resident |
| LE/LT -- Federally Listed Endangered/Threatened DL, PDL -- Federally Delisted/proposed for delisting T/SA -- Listed as Threatened by similarity of appearance E, T -- State listed Endangered/Threatened C -- Species of Concern Blank -- Not yet listed by TPWD or USFWS, but considered rare Source: TPWD, Annotated County List of Rare Species, Comal County (Updated 10/2/2012). | | | | | |

Table G-6. Endangered, Threatened, or Species of Concern – De Witt County

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|----------------------------|---|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| BIRDS | | | | | |
| Bald eagle | <i>Haliaeetus leucocephalus</i> | Found primarily near rivers and large lakes. | DL | T | Possible Migrant |
| Henslow's Sparrow | <i>Ammodramus henslowii</i> | Found in weedy fields or cut-over areas | | | Resident |
| Interior least tern | <i>Sterna antillarum athalassos</i> | Nests along sand and gravel bars in braided streams | LE | E | Resident |
| Mountain Plover | <i>Charadrius montanus</i> | Non-breeding, shortgrass plains and fields | | | Possible Migrant |
| Peregrine Falcon | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state. | DL | T | Possible Migrant |
| | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state. | DL | | Possible Migrant |
| Sprague's Pipit | <i>Anthus spragueii</i> | Only in Texas during migration and winter. | C | | Possible Migrant |
| Western Burrowing Owl | <i>Athene cunicularia hypugaea</i> | Open grasslands, especially prairie, plains and savanna | | | Resident |
| White-faced Ibis | <i>Plegadis chihi</i> | Prefers freshwater marshes. | | T | Resident |
| White-tailed Hawk | <i>Buteo albicaudatus</i> | Found near the coast on prairies. | | T | Resident |
| Whooping Crane | <i>Grus americana</i> | Potential migrant | LE | E | Possible Migrant |
| Wood Stork | <i>Mycteria americana</i> | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX | | T | Possible Migrant |
| FISHES | | | | | |
| Guadalupe bass | <i>Micropterus treculi</i> | Endemic to perennial streams of the Edwards Plateau region. | | | Resident |
| Guadalupe darter | <i>Percina sciera apristis</i> | Guadalupe River Basin. Usually found over gravel or gravel and sand raceways of larger streams and rivers. | | | Resident |
| INSECTS | | | | | |
| Leonora's dancer damselfly | <i>Argia leonorae</i> | Found near small streams and seepages. | | | Resident |
| MAMMALS | | | | | |
| Plains spotted skunk | <i>Spilogale putorius interrupta</i> | Prefers wooded, brushy areas. | | | Resident |
| Red wolf | <i>Canis rufus</i> | Extirpated. | LE | E | Historic Resident |
| MOLLUSKS | | | | | |

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|--|--|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| Creeper (squawfoot) | <i>Strophitus undulates</i> | Small to large streams | | | Resident |
| False spike mussel | <i>Quincuncina mitchelli</i> | Substrates of cobble and mud with water lilies present. Rio Grande, Brazos, Colorado and Guadalupe river basins. | | T | Resident |
| Golden orb | <i>Quadrula aurea</i> | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins | C | T | Resident |
| Texas pimpleback | <i>Quadrula petrina</i> | Mud, gravel and sand substrates, Colorado and Guadalupe river basins | C | T | Resident |
| PLANTS | | | | | |
| Shinner's sunflower | <i>Helianthus occidentalis</i> <i>ssp. Plantagineus</i> | Found on prairies on the Coastal Plain | | | Resident |
| REPTILES | | | | | |
| Cagle's map turtle | <i>Graptemys caglei</i> | Endemic to Guadalupe River System. Found within 30 feet of waters' edge. | | T | Resident |
| Texas horned lizard | <i>Phrynosoma cornutum</i> | Varied, sparsely vegetated uplands. | | T | Resident |
| Texas tortoise | <i>Gopherus berlandieri</i> | Open brush w/ grass understory. | | T | Resident |
| Timber rattlesnake | <i>Crotalus horridus</i> | Floodplains, upland pine, deciduous woodlands, riparian zones. | | T | Resident |
| <p>LE/LT -- Federally Listed Endangered/Threatened DL, PDL -- Federally Delisted/proposed for delisting T/SA -- Listed as Threatened by similarity of appearance E, T -- State listed Endangered/Threatened C -- Species of Concern Blank -- Not yet listed by TPWD or USFWS, but considered rare Source: TPWD, Annotated County List of Rare Species, De Witt County (Updated 4/28/2014).</p> | | | | | |

Table G-7. Endangered, Threatened, or Species of Concern – Dimmit County

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|-------------------------------|---|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| BIRDS | | | | | |
| Audubon's Oriole | <i>Icterus graduacauda audubonii</i> | Usually found along water courses in scrub and mesquite. | | | Resident |
| Baird's Sparrow | <i>Ammodramus bairdii</i> | Found in shortgrass prairie areas. Migratory in the western half of Texas. | | | Possible Migrant |
| Interior least tern | <i>Sterna antillarum athalassos</i> | Nests along sand and gravel bars in braided streams | LE | E | Resident |
| Mexican Hooded Oriole | <i>Icterus cucullatus cucullatus</i> | Found in scrub and mesquite, usually along water courses. | | | Resident |
| Mountain Plover | <i>Charadrius montanus</i> | Non-breeding, shortgrass plains and fields | | | Possible Migrant |
| Peregrine Falcon | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state. | DL | T | Possible Migrant |
| | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state. | DL | | Possible Migrant |
| Sennett's Hooded Oriole | <i>Icterus cucullatus sennetti</i> | This species often builds nests of Spanish moss. | | | Resident |
| Sprague's Pipit | <i>Anthus spragueii</i> | Only in Texas during migration and winter. | C | | Possible Migrant |
| Western Burrowing Owl | <i>Athene cunicularia hypugaea</i> | Open grasslands, especially prairie, plains and savanna | | | Resident |
| INSECTS | | | | | |
| Neojuvenile tiger beetle | <i>Cicindela obsoleta neojuvenilis</i> | Bare or sparsely vegetated areas previously disturbed. | | | Resident |
| MAMMALS | | | | | |
| Black Bear | <i>Ursus americanus</i> | Inhabits bottomland hardwoods | T/SA;NL | T | Historic Resident |
| Carrizo Springs pocket gopher | <i>Geomys personatus streckeri</i> | Uses underground burrows in deep sandy soils. | | | Resident |
| Cave Myotis Bat | <i>Myotis velifer</i> | Roosts colonially in caves, rock crevices | | | Resident |
| Gray wolf | <i>Canis lupus</i> | Extirpated, forests, brushlands or grasslands | LE | E | Historic resident |
| Jaguarundi | <i>Herpailurus yaguarondi</i> | Found in thick brushlands near water. | LE | E | Resident |
| Ocelot | <i>Leopardus pardalis</i> | Found in dense chaparral thickets; mesquite-thorn scrub and live oak motts. | LE | E | Resident |
| White-nosed coati | <i>Nasua narica</i> | Found in woodlands, riparian corridors and canyons. Mostly transients from Mexico. | | T | Resident |
| PLANTS | | | | | |

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|---|--|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| Dimmit sunflower | <i>Helianthus praecox ssp hirtus</i> | Endemic; found in bluestem midgrasslands on loose soils. | | | Resident |
| Mexican mud-plantain | <i>Heteranthera Mexicana</i> | Found in wet clayey soils of resacas and ephemeral wetlands in South Texas and margins of playas in the Panhandle. | | | Resident |
| Shinner's sunflower | <i>Helianthus occidentalis ssp. Plantagineus</i> | Found on prairies on the Coastal Plain | | | Resident |
| REPTILES | | | | | |
| Reticulate collared lizard | <i>Crotaphytus reticulatus</i> | Requires open brush-grasslands; thorn-scrub vegetation. | | T | Resident |
| Spot-tailed earless lizard | <i>Holbrookia lacerata</i> | Moderately open prairie-brushland. | | | Resident |
| Texas horned lizard | <i>Phrynosoma cornutum</i> | Varied, sparsely vegetated uplands. | | T | Resident |
| Texas indigo snake | <i>Drymarchon melanurus erebennus</i> | Found south of the Guadalupe river and Balcones Escarpment. | | T | Resident |
| Texas tortoise | <i>Gopherus berlandieri</i> | Open brush w/ grass understory. | | T | Resident |
| <p>LE/LT -- Federally Listed Endangered/Threatened DL, PDL -- Federally Delisted/proposed for delisting T/SA -- Listed as Threatened by similarity of appearance E, T -- State listed Endangered/Threatened C -- Species of Concern Blank -- Not yet listed by TPWD or USFWS, but considered rare Source: TPWD, Annotated County List of Rare Species, Dimmit County (Updated with online data 4/7/2015).</p> | | | | | |

Table G-8. Endangered, Threatened, or Species of Concern – Frio County

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|----------------------------|---|---|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| BIRDS | | | | | |
| Baird's Sparrow | <i>Ammodramus bairdii</i> | Found in shortgrass prairie areas. Migratory in the western half of Texas. | | | Possible Migrant |
| Mountain Plover | <i>Charadrius montanus</i> | Non-breeding, shortgrass plains and fields | | | Possible Migrant |
| Peregrine Falcon | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state. | DL | T | Possible Migrant |
| | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state. | DL | | Possible Migrant |
| Sprague's Pipit | <i>Anthus spragueii</i> | Only in Texas during migration and winter. | C | | Possible Migrant |
| Western Burrowing Owl | <i>Athene cunicularia hypugaea</i> | Open grasslands, especially prairie, plains and savanna | | | Resident |
| MAMMALS | | | | | |
| Black bear | <i>Ursus americanus</i> | Inhabits bottomland hardwoods | T/SA;NL | T | Historic Resident |
| Cave myotis bat | <i>Myotis velifer</i> | Roosts colonially in caves, rock crevices | | | Resident |
| Frio pocket gopher | <i>Geomys texensis bakeri</i> | Associated with nearly level Atco soils. | | | Resident |
| Gray wolf | <i>Canis lupus</i> | Extirpated, forests, brushlands or grasslands | LE | E | Historic resident |
| Ocelot | <i>Leopardus pardalis</i> | Found in dense chaparral thickets; mesquite-thorn scrub and live oak motts. | LE | E | Resident |
| Plains spotted skunk | <i>Spilogale putorius interrupta</i> | Prefers wooded, brushy areas. | | | Resident |
| Red wolf | <i>Canis rufus</i> | Extirpated. | LE | E | Historic Resident |
| PLANTS | | | | | |
| Elmendorf's onion | <i>Allium elmendorfii</i> | Endemic, in deep sands | | | Resident |
| Sandhill woollywhite | <i>Hymenopappus carrizoanus</i> | Found south of the Guadalupe River and the Balcones Escarpment. Prefers dense riparian corridors. | | | Resident |
| REPTILES | | | | | |
| Indigo snake | <i>Drymarchon carais</i> | Found south of the Guadalupe river and Balcones Escarpment. | | T | Resident |
| Reticulate collared lizard | <i>Crotaphytus reticulates</i> | Requires open brush-grasslands; thorn-scrub vegetation. | | T | Resident |
| Spot-tailed earless lizard | <i>Holbrookia lacerata</i> | Moderately open prairie-brushland. | | | Resident |

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|---|---------------------------------------|---|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| Texas horned lizard | <i>Phrynosoma cornutum</i> | Varied, sparsely vegetated uplands. | | T | Resident |
| Texas indigo snake | <i>Drymarchon melanurus erebennus</i> | Found south of the Guadalupe river and Balcones Escarpment. | | T | Resident |
| Texas Tortoise | <i>Gopherus berlandieri</i> | Open brush w/ grass understory. | | T | Resident |
| <p>LE/LT -- Federally Listed Endangered/Threatened DL, PDL -- Federally Delisted/proposed for delisting T/SA -- Listed as Threatened by similarity of appearance E, T -- State listed Endangered/Threatened C -- Species of Concern Blank -- Not yet listed by TPWD or USFWS, but considered rare Source: TPWD, Annotated County List of Rare Species, Frio County (Updated with online data 4/7/2015).</p> | | | | | |

Table G-9. Endangered, Threatened, or Species of Concern – Goliad County

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|------------------------------------|---|---|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| AMPHIBIANS | | | | | |
| Black-spotted newt | <i>Notophthalmus meridionalis</i> | Usually found in wet or sometimes wet areas in the Gulf Coastal Plain south of the San Antonio River. | | T | Resident |
| Sheep frog | <i>Hypopachus variolosus</i> | Found in grassland and savanna; moist sites in arid areas. | | T | Resident |
| BIRDS | | | | | |
| Attwater's Greater Prairie Chicken | <i>Tympanuchus cupido attwateri</i> | Endemic, within historic range. | LE | E | Historic Resident |
| Bald eagle | <i>Haliaeetus leucocephalus</i> | Found primarily near rivers and large lakes. | DL | T | Possible Migrant |
| Henslow's Sparrow | <i>Ammodramus henslowii</i> | Found in weedy fields or cut-over areas | | | Resident |
| Interior least tern | <i>Sterna antillarum athalassos</i> | Nests along sand and gravel bars in braided streams | LE | E | Resident |
| Mountain Plover | <i>Charadrius montanus</i> | Non-breeding, shortgrass plains and fields | | | Possible Migrant |
| Peregrine Falcon | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state. | DL | T | Possible Migrant |
| | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state. | DL | | Possible Migrant |
| Sprague's Pipit | <i>Anthus spragueii</i> | Only in Texas during migration and winter. | C | | Possible Migrant |
| Western Burrowing Owl | <i>Athene cunicularia hypugaea</i> | Open grasslands, especially prairie, plains and savanna | | | Resident |
| White-faced Ibis | <i>Plegadis chihi</i> | Prefers freshwater marshes. | | T | Resident |
| White-tailed Hawk | <i>Buteo albicaudatus</i> | Found near the coast on prairies. | | T | Resident |
| Whooping Crane | <i>Grus americana</i> | Potential migrant | LE | E | Possible Migrant |
| Wood Stork | <i>Mycteria americana</i> | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX | | T | Possible Migrant |
| FISHES | | | | | |
| American eel | <i>Anguilla rostrata</i> | Coastal waterways below reservoirs to gulf. | | | Resident |
| INSECTS | | | | | |
| Texas asaphomyian tabanid fly | <i>Asaphomyia texensis</i> | Globally historic species. | | | Resident |
| MAMMALS | | | | | |

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|----------------------------|---|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| Ocelot | <i>Leopardus pardalis</i> | Found in dense chaparral thickets; mesquite-thorn scrub and live oak motts. | LE | E | Resident |
| Plains spotted skunk | <i>Spilogale putorius interrupta</i> | Prefers wooded, brushy areas. | | | Resident |
| Red wolf | <i>Canis rufus</i> | Extirpated. | LE | E | Historic Resident |
| White-nosed coati | <i>Nasua narica</i> | Found in woodlands, riparian corridors and canyons. Mostly transients from Mexico. | | T | Resident |
| MOLLUSKS | | | | | |
| Creeper (squawfoot) | <i>Strophitus undulates</i> | Small to large streams | | | Resident |
| False spike mussel | <i>Quincuncina mitchelli</i> | Substrates of cobble and mud with water lilies present. Rio Grande, Brazos, Colorado and Guadalupe river basins. | | T | Resident |
| Golden orb | <i>Quadrula aurea</i> | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins | C | T | Resident |
| Texas pimpleback | <i>Quadrula petrina</i> | Mud, gravel and sand substrates, Colorado and Guadalupe river basins | C | T | Resident |
| PLANTS | | | | | |
| Bristle nailwort | <i>Paronychia setacea</i> | Flowering vascular plant endemic to eastern southcentral Texas in sandy soils. | | | Resident |
| Coastal gay-feather | <i>Liatris bracteata</i> | Endemic; found in coastal prairie grasslands. | | | Resident |
| Refugio rain-lily | <i>Zephyranthes refugiensis</i> | Occurs on deep heavy black clay soils or sandy loams. | | | Resident |
| Runyon's water-willow | <i>Justicia runyonii</i> | Found in margins of and openings within subtropical woodlands or thorn shrublands. | | | Resident |
| Shinner's sunflower | <i>Helianthus occidentalis</i> ssp. <i>Plantagineus</i> | Found on prairies on the Coastal Plain | | | Resident |
| Welder machaeranthera | <i>Psilactis heterocarpa</i> | Endemic; found in grasslands. | | | Resident |
| REPTILES | | | | | |
| Spot-tailed earless lizard | <i>Holbrookia lacerata</i> | Moderately open prairie-brushland. | | | Resident |
| Texas horned lizard | <i>Phrynosoma cornutum</i> | Varied, sparsely vegetated uplands. | | T | Resident |
| Texas indigo snake | <i>Drymarchon melanurus erebennus</i> | Found south of the Guadalupe river and Balcones Escarpment. | | T | Resident |
| Texas tortoise | <i>Gopherus berlandieri</i> | Open brush w/ grass understory. | | T | Resident |



| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|---|--------------------------|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| Timber rattlesnake | <i>Crotalus horridus</i> | Floodplains, upland pine, deciduous woodlands, riparian zones. | | T | Resident |
| <p>LE/LT -- Federally Listed Endangered/Threatened DL, PDL -- Federally Delisted/proposed for delisting T/SA -- Listed as Threatened by similarity of appearance E, T -- State listed Endangered/Threatened C -- Species of Concern Blank -- Not yet listed by TPWD or USFWS, but considered rare Source: TPWD, Annotated County List of Rare Species, Goliad County (Updated 4/28/2014).</p> | | | | | |

Table G-10. Endangered, Threatened, or Species of Concern – Gonzales County

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|-----------------------|---|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| BIRDS | | | | | |
| Bald eagle | <i>Haliaeetus leucocephalus</i> | Found primarily near rivers and large lakes. | DL | T | Possible Migrant |
| Black-capped Vireo | <i>Vireo atricapillus</i> | Oak-juniper woodlands, | LE | E | Resident |
| Henslow's Sparrow | <i>Ammodramus henslowii</i> | Found in weedy fields or cut-over areas | | | Resident |
| Interior least tern | <i>Sterna antillarum athalassos</i> | Nests along sand and gravel bars in braided streams | LE | E | Resident |
| Mountain Plover | <i>Charadrius montanus</i> | Non-breeding, shortgrass plains and fields | | | Possible Migrant |
| Peregrine Falcon | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state. | DL | T | Possible Migrant |
| | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state. | DL | | Possible Migrant |
| Sprague's Pipit | <i>Anthus spragueii</i> | Only in Texas during migration and winter. | C | | Possible Migrant |
| Western Burrowing Owl | <i>Athene cunicularia hypugaea</i> | Open grasslands, especially prairie, plains and savanna | | | Resident |
| Whooping Crane | <i>Grus americana</i> | Potential migrant | LE | E | Possible Migrant |
| Wood Stork | <i>Mycteria americana</i> | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX | | T | Possible Migrant |
| FISHES | | | | | |
| Blue sucker | <i>Cycleptus elongates</i> | Major rivers in Texas. | | T | Resident |
| Guadalupe bass | <i>Micropterus treculi</i> | Endemic to perennial streams of the Edwards Plateau region. | | | Resident |
| Guadalupe darter | <i>Percina sciera apristis</i> | Guadalupe River Basin. Usually found over gravel or gravel and sand raceways of larger streams and rivers. | | | Resident |
| MAMMALS | | | | | |
| Cave myotis bat | <i>Myotis velifer</i> | Roosts colonially in caves, rock crevices | | | Resident |
| Plains spotted skunk | <i>Spilogale putorius interrupta</i> | Prefers wooded, brushy areas. | | | Resident |
| Red wolf | <i>Canis rufus</i> | Extirpated. | LE | E | Historic Resident |
| MOLLUSKS | | | | | |
| Creeper (squawfoot) | <i>Strophitus undulates</i> | Small to large streams | | | Resident |



| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|---|------------------------------------|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| False spike mussel | <i>Quincuncina mitchelli</i> | Substrates of cobble and mud with water lilies present. Rio Grande, Brazos, Colorado and Guadalupe river basins. | | T | Resident |
| Golden orb | <i>Quadrula aurea</i> | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins | C | T | Resident |
| Palmetto pill snail | <i>Euchemostrema leai cheatumi</i> | Known only from Palmetto State Park. | | | Resident |
| Texas fatmucket | <i>Lampsilis bracteata</i> | Streams and rivers on sand, mud and gravel, Colorado and Guadalupe River basins. | C | T | Resident |
| Texas pimpleback | <i>Quadrula petrina</i> | Mud, gravel and sand substrates, Colorado and Guadalupe river basins | C | T | Resident |
| PLANTS | | | | | |
| Bristle nailwort | <i>Paronychia setacea</i> | Flowering vascular plant endemic to eastern southcentral Texas in sandy soils. | | | Resident |
| Buckley's spiderwort | <i>Tradescantia buckleyi</i> | Flowering vascular plant endemic to eastern southcentral Texas in sandy soils. | | | Resident |
| Elmendorf's onion | <i>Allium elmendorffii</i> | Endemic, in deep sands | | | Resident |
| Green beebalm | <i>Monarda viridissima</i> | Endemic perennial herb of the Carrizo Sands. | | | Resident |
| Sandhill woollywhite | <i>Hymenopappus carrizoanus</i> | Found south of the Guadalupe River and the Balcones Escarpment. Prefers dense riparian corridors. | | | Resident |
| REPTILES | | | | | |
| Cagle's map turtle | <i>Graptemys caglei</i> | Endemic to Guadalupe River System. Found within 30 feet of waters' edge. | | T | Resident |
| Texas horned lizard | <i>Phrynosoma cornutum</i> | Varied, sparsely vegetated uplands. | | T | Resident |
| Texas tortoise | <i>Gopherus berlandieri</i> | Open brush w/ grass understory. | | T | Resident |
| Timber rattlesnake | <i>Crotalus horridus</i> | Floodplains, upland pine, deciduous woodlands, riparian zones. | | T | Resident |
| <p>LE/LT -- Federally Listed Endangered/Threatened DL, PDL -- Federally Delisted/proposed for delisting T/SA -- Listed as Threatened by similarity of appearance E, T -- State listed Endangered/Threatened C -- Species of Concern Blank -- Not yet listed by TPWD or USFWS, but considered rare Source: TPWD, Annotated County List of Rare Species, Gonzales County (Updated 4/28/2014).</p> | | | | | |

Table G-11. Endangered, Threatened, or Species of Concern – Guadalupe County

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|-----------------------|---|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| BIRDS | | | | | |
| Bald eagle | <i>Haliaeetus leucocephalus</i> | Found primarily near rivers and large lakes. | DL | T | Possible Migrant |
| Interior least tern | <i>Sterna antillarum athalassos</i> | Nests along sand and gravel bars in braided streams | LE | E | Resident |
| Mountain Plover | <i>Charadrius montanus</i> | Non-breeding, shortgrass plains and fields | | | Possible Migrant |
| Peregrine Falcon | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state. | DL | T | Possible Migrant |
| | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state. | DL | | Possible Migrant |
| Sprague's Pipit | <i>Anthus spragueii</i> | Only in Texas during migration and winter. | C | | Possible Migrant |
| Western Burrowing Owl | <i>Athene cunicularia hypugaea</i> | Open grasslands, especially prairie, plains and savanna | | | Resident |
| Whooping Crane | <i>Grus americana</i> | Potential migrant | LE | E | Possible Migrant |
| Wood Stork | <i>Mycteria americana</i> | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX | | T | Possible Migrant |
| FISHES | | | | | |
| Guadalupe bass | <i>Micropterus treculi</i> | Endemic to perennial streams of the Edwards Plateau region. | | | Resident |
| Guadalupe darter | <i>Percina sciera apristis</i> | Guadalupe River Basin. Usually found over gravel or gravel and sand raceways of larger streams and rivers. | | | Resident |
| INSECTS | | | | | |
| A mayfly | <i>Campsurus decoloratus</i> | Found in Texas and Mexico. Possibly in clay substrates. | | | Resident |
| MAMMALS | | | | | |
| Cave myotis bat | <i>Myotis velifer</i> | Roosts colonially in caves, rock crevices | | | Resident |
| Plains spotted skunk | <i>Spilogale putorius interrupta</i> | Prefers wooded, brushy areas. | | | Resident |
| Red wolf | <i>Canis rufus</i> | Extirpated. | LE | E | Historic Resident |
| MOLLUSKS | | | | | |
| Creeper (squawfoot) | <i>Strophitus undulates</i> | Small to large streams | | | Resident |

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|--|--------------------------------------|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| False spike mussel | <i>Quincuncina mitchelli</i> | Substrates of cobble and mud with water lilies present. Rio Grande, Brazos, Colorado and Guadalupe river basins. | | T | Resident |
| Golden orb | <i>Quadrula aurea</i> | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins | C | T | Resident |
| Texas fatmucket | <i>Lampsilis bracteata</i> | Streams and rivers on sand, mud and gravel, Colorado and Guadalupe River basins. | C | T | Resident |
| Texas pimpleback | <i>Quadrula petrina</i> | Mud, gravel and sand substrates, Colorado and Guadalupe river basins | C | T | Resident |
| PLANTS | | | | | |
| Big red sage | <i>Salvia penstemonoides</i> | Endemic; moist to seasonally wet clay or silt soils in creek beds. | | | Resident |
| Elmendorf's onion | <i>Allium elmendorfii</i> | Endemic, in deep sands | | | Resident |
| Green beebalm | <i>Monarda viridissima</i> | Endemic perennial herb of the Carrizo Sands. | | | Resident |
| Park's jointweed | <i>Polygonella parksii</i> | Endemic; deep loose sands of Carrizo and similar Eocene formations. | | | Resident |
| Sandhill woollywhite | <i>Hymenopappus carrizoanus</i> | Found south of the Guadalupe River and the Balcones Escarpment. Prefers dense riparian corridors. | | | Resident |
| REPTILES | | | | | |
| Cagle's map turtle | <i>Graptemys caglei</i> | Endemic to Guadalupe River System. Found within 30 feet of waters' edge. | | T | Resident |
| Spot-tailed earless lizard | <i>Holbrookia lacerata</i> | Moderately open prairie-brushland. | | | Resident |
| Texas garter snake | <i>Thamnophis sirtalis annectens</i> | Wet or moist microhabitats | | | Resident |
| Texas horned lizard | <i>Phrynosoma cornutum</i> | Varied, sparsely vegetated uplands. | | T | Resident |
| Texas tortoise | <i>Gopherus berlandieri</i> | Open brush w/ grass understory. | | T | Resident |
| Timber rattlesnake | <i>Crotalus horridus</i> | Floodplains, upland pine, deciduous woodlands, riparian zones. | | T | Resident |
| <p>LE/LT -- Federally Listed Endangered/Threatened DL, PDL -- Federally Delisted/proposed for delisting T/SA -- Listed as Threatened by similarity of appearance E, T -- State listed Endangered/Threatened C -- Species of Concern Blank -- Not yet listed by TPWD or USFWS, but considered rare Source: TPWD, Annotated County List of Rare Species, Guadalupe County (Updated 4/29/2014).</p> | | | | | |

Table G-12. Endangered, Threatened, or Species of Concern – Hays County

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|---------------------------------|---|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| AMPHIBIANS | | | | | |
| Barton Springs salamander | <i>Eurycea sosorum</i> | Dependent upon water flow/quality from the Barton Springs pool of the Edwards Aquifer. | LE | E | Potential Resident |
| Blanco blind salamander | <i>Eurycea robusta</i> | Species found in water-filled caverns of the Balcones Aquifer. | | T | Resident |
| Blanco River springs salamander | <i>Eurycea pterophila</i> | Found in springs and caves in the Blanco River drainage. | | | Resident |
| San Marcos salamander | <i>Eurycea nana</i> | Found in the headwaters of the San Marcos River and downstream for approx. ½ mile past IH-35. | LT | T | Resident |
| Texas blind salamander | <i>Eurycea rathbuni</i> | Documented from water-filled subterranean caverns along a six mile stretch of the San Marcos Spring fault near San Marcos. | LE | E | Resident |
| ARACHNIDS | | | | | |
| Bandit Cave spider | <i>Cicurina bandida</i> | Small subterranean obligate spider. | | | Resident |
| BIRDS | | | | | |
| Bald eagle | <i>Haliaeetus leucocephalus</i> | Found primarily near rivers and large lakes. | DL | T | Possible Migrant |
| Black-capped Vireo | <i>Vireo atricapillus</i> | Oak-juniper woodlands, | LE | E | Resident |
| Golden-cheeked Warbler | <i>Dendroica chrysoparia</i> | Juniper-oak woodlands. | LE | E | Resident |
| Mountain Plover | <i>Charadrius montanus</i> | Non-breeding, shortgrass plains and fields | | | Possible Migrant |
| Peregrine Falcon | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state. | DL | T | Possible Migrant |
| | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state. | DL | | Possible Migrant |
| Sprague's Pipit | <i>Anthus spragueii</i> | Only in Texas during migration and winter. | C | | Possible Migrant |
| Western Burrowing Owl | <i>Athene cunicularia hypugaea</i> | Open grasslands, especially prairie, plains and savanna | | | Resident |
| Whooping Crane | <i>Grus americana</i> | Potential migrant | LE | E | Possible Migrant |
| Zone-tailed Hawk | <i>Buteo albonotatus</i> | Arid open country, often near watercourses | | T | Resident |
| CRUSTACEANS | | | | | |

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|--------------------------------|--------------------------------|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| A cave obligate crustacean | <i>Monodella texana</i> | Subaquatic, underground freshwater aquifers | | | Resident |
| Balcones Cave amphipod | <i>Stygobromus balconies</i> | Subaquatic, subterranean amphipod. | | | Resident |
| Ezell's cave amphipod | <i>Stygobromus flagellates</i> | Known only from artesian wells. | | | Resident |
| Texas cave shrimp | <i>Palaemonetes antrorum</i> | Found in subterranean sluggish streams and pools. | | | Resident |
| Texas troglobitic water slater | <i>Lireolus smithii</i> | Subaquatic species, subterranean obligate within aquifers. | | | Resident |
| FISHES | | | | | |
| Fountain darter | <i>Etheostoma fonticola</i> | Known only from the San Marcos and Comal Rivers. | LE | E | Resident |
| Guadalupe bass | <i>Micropterus treculi</i> | Endemic to perennial streams of the Edwards Plateau region. | | | Resident |
| Guadalupe darter | <i>Percina sciera apristis</i> | Guadalupe River Basin. Usually found over gravel or gravel and sand raceways of larger streams and rivers. | | | Resident |
| Ironcolor shiner | <i>Notropis chalybaeus</i> | Found in Big Cypress Bayou and Sabine River basins. | | | Resident |
| San Marcos gambusia | <i>Gambusia georgei</i> | Extinct endemic formerly known from the upper San Marcos River. | LE | E | Resident |
| INSECTS | | | | | |
| Comal Springs dryopid beetle | <i>Stygoparnus comalensis</i> | Adults usually found clinging to objects in streams, larvae live in soil or decaying wood. | LE | E | Resident |
| Comal Springs riffle beetle | <i>Heterelmis comalensis</i> | Found in Comal and San Marcos Springs. | LE | E | Resident |
| Edwards Aquifer diving beetle | <i>Haideoporus texanus</i> | Known from an artesian well in Hays County. | | | Resident |
| Flint's net-spinning caddisfly | <i>Cheumatopsyche flinti</i> | Occupies spring habitat. | | | Resident |
| Leonora's dancer damselfly | <i>Argia leonorae</i> | Found near small streams and seepages. | | | Resident |
| Rawson's metalmark | <i>Calephelis rawsoni</i> | Moist areas in shaded limestone outcrops | | | Resident |
| San Marcos saddle-case | <i>Protophila arca</i> | Known from an artesian well in Hays County. | | | Resident |
| Texas austrotinodes caddisfly | <i>Austrotinodes texensis</i> | Endemic to Karst Springs and spring runs of the Edward Plateau region. | | | Resident |
| MAMMALS | | | | | |

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|---|--------------------------------------|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| Cave myotis bat | <i>Myotis velifer</i> | Roosts colonially in caves, rock crevices | | | Resident |
| Plains spotted skunk | <i>Spilogale putorius interrupta</i> | Prefers wooded, brushy areas. | | | Resident |
| Red wolf | <i>Canis rufus</i> | Extirpated. | LE | E | Historic Resident |
| MOLLUSKS | | | | | |
| Creeping (squawfoot) | <i>Strophitus undulatus</i> | Small to large streams | | | Resident |
| False spike mussel | <i>Quincuncina mitchelli</i> | Substrates of cobble and mud with water lilies present. Rio Grande, Brazos, Colorado and Guadalupe river basins. | | T | Resident |
| Golden orb | <i>Quadrula aurea</i> | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins | C | T | Resident |
| Texas fatmucket | <i>Lampsilis bracteata</i> | Streams and rivers on sand, mud and gravel, Colorado and Guadalupe River basins. | C | T | Resident |
| Texas pimpleback | <i>Quadrula petrina</i> | Mud, gravel and sand substrates, Colorado and Guadalupe river basins | C | T | Resident |
| PLANTS | | | | | |
| Bracted twistflower | <i>Streptanthus bracteatus</i> | Texas endemic found in shallow well-drained gravelly clays and clay loams over limestone. | C | | Resident |
| Hill Country wild-mercury | <i>Argythamnia aphoroides</i> | Endemic; found primarily in grasslands associated with live oak woodlands. | | | Resident |
| Texas wild rice | <i>Zizania texana</i> | Endemic, found in spring-fed river. | LE | E | Resident |
| Warnock's coral root | <i>Hexaelectric warnockii</i> | Found in leaf litter and humus in oak-juniper woodlands. | | | Resident |
| REPTILES | | | | | |
| Cagle's map turtle | <i>Graptemys caglei</i> | Endemic to Guadalupe River System. Found within 30 feet of waters' edge. | | T | Resident |
| Spot-tailed earless lizard | <i>Holbrookia lacerata</i> | Moderately open prairie-brushland. | | | Resident |
| Texas garter snake | <i>Thamnophis sirtalis annectens</i> | Wet or moist microhabitats | | | Resident |
| Texas horned lizard | <i>Phrynosoma cornutum</i> | Varied, sparsely vegetated uplands. | | T | Resident |
| LE/LT -- Federally Listed Endangered/Threatened DL, PDL -- Federally Delisted/proposed for delisting T/SA -- Listed as Threatened by similarity of appearance E, T -- State listed Endangered/Threatened C -- Species of Concern Blank -- Not yet listed by TPWD or USFWS, but considered rare Source: TPWD, Annotated County List of Rare Species, Hays County (Updated 11/03/2014). | | | | | |

Table G-13. Endangered, Threatened, or Species of Concern – Karnes County

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|------------------------|---|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| AMPHIBIANS | | | | | |
| Sheep frog | <i>Hypopachus variolosus</i> | Found in grassland and savanna; moist sites in arid areas. | | T | Resident |
| BIRDS | | | | | |
| Interior least tern | <i>Sterna antillarum athalassos</i> | Nests along sand and gravel bars in braided streams | LE | E | Resident |
| Mountain Plover | <i>Charadrius montanus</i> | Non-breeding, shortgrass plains and fields | | | Possible Migrant |
| Peregrine Falcon | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state. | DL | T | Possible Migrant |
| | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state. | DL | | Possible Migrant |
| Sprague's Pipit | <i>Anthus spragueii</i> | Only in Texas during migration and winter. | C | | Possible Migrant |
| Western Burrowing Owl | <i>Athene cunicularia hypugaea</i> | Open grasslands, especially prairie, plains and savanna | | | Resident |
| White-faced Ibis | <i>Plegadis chihi</i> | Prefers freshwater marshes. | | T | Resident |
| Whooping Crane | <i>Grus americana</i> | Potential migrant | LE | E | Possible Migrant |
| Wood Stork | <i>Mycteria americana</i> | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX | | T | Possible Migrant |
| INSECTS | | | | | |
| Manfreda Giant-skipper | <i>Stallingsia maculosus</i> | Skipper larvae usually feed inside a leaf shelter. | | | Resident |
| MAMMALS | | | | | |
| Plains spotted skunk | <i>Spilogale putorius interrupta</i> | Prefers wooded, brushy areas. | | | Resident |
| Red wolf | <i>Canis rufus</i> | Extirpated. | LE | E | Historic Resident |
| MOLLUSKS | | | | | |
| Creeper (squawfoot) | <i>Strophitus undulates</i> | Small to large streams | | | Resident |
| False spike mussel | <i>Quincuncina mitchelli</i> | Substrates of cobble and mud with water lilies present. Rio Grande, Brazos, Colorado and Guadalupe river basins. | | T | Resident |
| Golden orb | <i>Quadrula aurea</i> | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins | C | T | Resident |
| Texas pimpleback | <i>Quadrula petrina</i> | Mud, gravel and sand substrates, Colorado and Guadalupe river basins | C | T | Resident |

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|---|---------------------------------------|---|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| PLANTS | | | | | |
| Welder machaeranthera | <i>Psilactis heterocarpa</i> | Endemic; found in grasslands. | | | Resident |
| REPTILES | | | | | |
| Spot-tailed earless lizard | <i>Holbrookia lacerata</i> | Moderately open prairie-brushland. | | | Resident |
| Texas horned lizard | <i>Phrynosoma cornutum</i> | Varied, sparsely vegetated uplands. | | T | Resident |
| Texas indigo snake | <i>Drymarchon melanurus erebennus</i> | Found south of the Guadalupe river and Balcones Escarpment. | | T | Resident |
| Texas tortoise | <i>Gopherus berlandieri</i> | Open brush w/ grass understory. | | T | Resident |
| LE/LT -- Federally Listed Endangered/Threatened DL, PDL -- Federally Delisted/proposed for delisting T/SA -- Listed as Threatened by similarity of appearance E, T -- State listed Endangered/Threatened C -- Species of Concern Blank -- Not yet listed by TPWD or USFWS, but considered rare Source: TPWD, Annotated County List of Rare Species, Karnes County (Updated 10/10/2011). | | | | | |

Table G-14. Endangered, Threatened, or Species of Concern – Kendall County

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|---------------------------------|---|---|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| AMPHIBIANS | | | | | |
| Blanco River springs salamander | <i>Eurycea pterophila</i> | Found in springs and caves in the Blanco River drainage. | | | Resident |
| Cascade Caverns salamander | <i>Eurycea latitans complex</i> | Endemic, subaquatic in Edwards Aquifer Area | | T | Resident |
| Comal Blind Salamander | <i>Eurycea tridentifera</i> | Endemic; springs and waters of caves in Bexar County. | | T | Resident |
| Texas Salamander | <i>Eurycea neotenes</i> | Endemic; springs, seeps, cave streams, Helotes and Leon Creek drainages in Bexar County | | | Resident |
| BIRDS | | | | | |
| Bald eagle | <i>Haliaeetus leucocephalus</i> | Found primarily near rivers and large lakes. | DL | T | Possible Migrant |
| Black-capped Vireo | <i>Vireo atricapillus</i> | Oak-juniper woodlands, | LE | E | Resident |
| Golden-cheeked Warbler | <i>Dendroica chrysoparia</i> | Juniper-oak woodlands. | LE | E | Resident |
| Interior least tern | <i>Sterna antillarum athalassos</i> | Nests along sand and gravel bars in braided streams | LE | E | Resident |
| Mountain Plover | <i>Charadrius montanus</i> | Non-breeding, shortgrass plains and fields | | | Possible Migrant |
| Peregrine Falcon | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state. | DL | T | Possible Migrant |
| | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state. | DL | | Possible Migrant |
| Sprague's Pipit | <i>Anthus spragueii</i> | Only in Texas during migration and winter. | C | | Possible Migrant |
| Western Burrowing Owl | <i>Athene cunicularia hypugaea</i> | Open grasslands, especially prairie, plains and savanna | | | Resident |
| Whooping Crane | <i>Grus americana</i> | Potential migrant | LE | E | Possible Migrant |
| Zone-tailed Hawk | <i>Buteo albonotatus</i> | Arid open country, often near watercourses | | T | Resident |
| CRUSTACEANS | | | | | |
| Cascade Cave amphipod | <i>Stygobromus dejectus</i> | Subaquatic crustacean which is a subterranean obligate found in pools. | | | Resident |
| Long-legged cave amphipod | <i>Stygobromus longipes</i> | Found in subterranean streams. | | | Resident |
| FISHES | | | | | |

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|----------------------|--------------------------------------|---|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| Guadalupe bass | <i>Micropterus treculi</i> | Endemic to perennial streams of the Edwards Plateau region. | | | Resident |
| Guadalupe darter | <i>Percina sciera apristis</i> | Guadalupe River Basin. Usually found over gravel or gravel and sand raceways of larger streams and rivers. | | | Resident |
| Headwater catfish | <i>Ictalurus lupus</i> | Originally found throughout streams of the Edwards Plateau and the Rio Grande Basin. | | | Resident |
| INSECTS | | | | | |
| A mayfly | <i>Allenhyphes michaeli</i> | Found in the Texas Hill Country. Distinguished by an aquatic larval stage, with adults generally found in shoreline vegetation. | | | Resident |
| A mayfly | <i>Baetodes alleni</i> | Adults distinguished by aquatic larval stage, adults generally found in shoreline vegetation. | | | Resident |
| Rawson's metalmark | <i>Calephelis rawsoni</i> | Moist areas in shaded limestone outcrops | | | Resident |
| MAMMALS | | | | | |
| Black bear | <i>Ursus americanus</i> | Inhabits bottomland hardwoods | T/SA;NL | T | Historic Resident |
| Cave myotis bat | <i>Myotis velifer</i> | Roosts colonially in caves, rock crevices | | | Resident |
| Gray wolf | <i>Canis lupus</i> | Extirpated, forests, brushlands or grasslands | LE | E | Historic resident |
| Plains spotted skunk | <i>Spilogale putorius interrupta</i> | Prefers wooded, brushy areas. | | | Resident |
| Red wolf | <i>Canis rufus</i> | Extirpated. | LE | E | Historic Resident |
| MOLLUSKS | | | | | |
| Creeping (squawfoot) | <i>Strophitus undulatus</i> | Small to large streams | | | Resident |
| False spike mussel | <i>Quincuncina mitchelli</i> | Substrates of cobble and mud with water lilies present. Rio Grande, Brazos, Colorado and Guadalupe river basins. | | T | Resident |
| Golden orb | <i>Quadrula aurea</i> | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins | C | T | Resident |
| Texas fatmucket | <i>Lampsilis bracteata</i> | Streams and rivers on sand, mud and gravel, Colorado and Guadalupe River basins. | C | T | Resident |
| Texas pimpleback | <i>Quadrula petrina</i> | Mud, gravel and sand substrates, Colorado and Guadalupe river basins | C | T | Resident |
| PLANTS | | | | | |



| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|---|--------------------------------------|---|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| Basin bellflower | <i>Campanula reverchonii</i> | Endemic; found among scattered vegetation on loose gravel and rock outcrops on open slopes. | | | Resident |
| Big red sage | <i>Salvia penstemonoides</i> | Endemic; moist to seasonally wet clay or silt soils in creek beds. | | | Resident |
| Boerne bean | <i>Phaseolus texensis</i> | Narrowly endemic to rocky canyons in eastern and southern Edwards Plateau. | | | Resident |
| Hill Country wild-mercury | <i>Argythamnia aphoroides</i> | Endemic; found primarily in grasslands associated with live oak woodlands. | | | Resident |
| Texas mock-orange | <i>Philadelphus texensis</i> | Found on limestone outcrops on cliffs and rocky slopes. | | | Resident |
| REPTILES | | | | | |
| Cagle's map turtle | <i>Graptemys caglei</i> | Endemic to Guadalupe River System. Found within 30 feet of waters' edge. | | T | Resident |
| Spot-tailed earless lizard | <i>Holbrookia lacerata</i> | Moderately open prairie-brushland. | | | Resident |
| Texas garter snake | <i>Thamnophis sirtalis annectens</i> | Wet or moist microhabitats | | | Resident |
| Texas horned lizard | <i>Phrynosoma cornutum</i> | Varied, sparsely vegetated uplands. | | T | Resident |
| <p>LE/LT -- Federally Listed Endangered/Threatened DL, PDL -- Federally Delisted/proposed for delisting T/SA -- Listed as Threatened by similarity of appearance E, T -- State listed Endangered/Threatened C -- Species of Concern Blank -- Not yet listed by TPWD or USFWS, but considered rare Source: TPWD, Annotated County List of Rare Species, Kendall County (Updated 8/7/2012).</p> | | | | | |

Table G-15. Endangered, Threatened, or Species of Concern – LaSalle County

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|-------------------------|---|---|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| BIRDS | | | | | |
| Audubon's Oriole | <i>Icterus graduacauda audubonii</i> | Usually found along water courses in scrub and mesquite. | | | Resident |
| Baird's Sparrow | <i>Ammodramus bairdii</i> | Found in shortgrass prairie areas. Migratory in the western half of Texas. | | | Possible Migrant |
| Interior least tern | <i>Sterna antillarum athalassos</i> | Nests along sand and gravel bars in braided streams | LE | E | Resident |
| Mountain Plover | <i>Charadrius montanus</i> | Non-breeding, shortgrass plains and fields | | | Possible Migrant |
| Peregrine Falcon | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state. | DL | T | Possible Migrant |
| | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state. | DL | | Possible Migrant |
| Sennett's Hooded Oriole | <i>Icterus cucullatus sennetti</i> | This species often builds nests of Spanish moss. | | | Resident |
| Sprague's Pipit | <i>Anthus spragueii</i> | Only in Texas during migration and winter. | C | | Possible Migrant |
| Western Burrowing Owl | <i>Athene cunicularia hypugaea</i> | Open grasslands, especially prairie, plains and savanna | | | Resident |
| Wood Stork | <i>Mycteria americana</i> | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX | | T | Possible Migrant |
| MAMMALS | | | | | |
| Black Bear | <i>Ursus americanus</i> | Inhabits bottomland hardwoods | T/SA;NL | T | Historic Resident |
| Cave myotis bat | <i>Myotis velifer</i> | Roosts colonially in caves, rock crevices | | | Resident |
| Gray wolf | <i>Canis lupus</i> | Extirpated, forests, brushlands or grasslands | LE | E | Historic resident |
| Jaguarundi | <i>Herpailurus yaguarondi</i> | Found in thick brushlands near water. | LE | E | Resident |
| Ocelot | <i>Leopardus pardalis</i> | Found in dense chaparral thickets; mesquite-thorn scrub and live oak motts. | LE | E | Resident |
| Plains spotted skunk | <i>Spilogale putorius interrupta</i> | Prefers wooded, brushy areas. | | | Resident |
| White-nosed coati | <i>Nasua narica</i> | Found in woodlands, riparian corridors and canyons. Mostly transients from Mexico. | | T | Resident |
| PLANTS | | | | | |



| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|--|---------------------------------------|---|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| Kleberg saltbush | <i>Atriplex klebergorum</i> | Endemic; usually occurring in sparsely vegetated saline areas. | | | Resident |
| Silvery wild-mercury | <i>Argythamnia argyraea</i> | Endemic; found among shortgrasses in grasslands or open shrublands. | | | Resident |
| REPTILES | | | | | |
| Reticulate collared lizard | <i>Crotaphytus reticulatus</i> | Requires open brush-grasslands; thorn-scrub vegetation. | | T | Resident |
| Spot-tailed earless lizard | <i>Holbrookia lacerata</i> | Moderately open prairie-brushland. | | | Resident |
| Texas horned lizard | <i>Phrynosoma cornutum</i> | Varied, sparsely vegetated uplands. | | T | Resident |
| Texas indigo snake | <i>Drymarchon melanurus erebennus</i> | Found south of the Guadalupe river and Balcones Escarpment. | | T | Resident |
| Texas tortoise | <i>Gopherus berlandieri</i> | Open brush w/ grass understory. | | T | Resident |
| <p>LE/LT -- Federally Listed Endangered/Threatened DL, PDL -- Federally Delisted/proposed for delisting T/SA -- Listed as Threatened by similarity of appearance E, T -- State listed Endangered/Threatened C -- Species of Concern Blank -- Not yet listed by TPWD or USFWS, but considered rare Source: TPWD, Annotated County List of Rare Species, LaSalle County (Updated online 4/7/2015).</p> | | | | | |

Table G-16. Endangered, Threatened, or Species of Concern – Medina County

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|-----------------------------------|---|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| AMPHIBIANS | | | | | |
| Valdina Farms sinkhole salamander | <i>Eurycea troglodytes complex</i> | Found in isolated, intermittent pools of subterranean streams and sinkholes within the Edwards Aquifer area. | | | Resident |
| BIRDS | | | | | |
| Baird's Sparrow | <i>Ammodramus bairdii</i> | Found in shortgrass prairie areas. Migratory in the western half of Texas. | | | Possible Migrant |
| Black-capped Vireo | <i>Vireo atricapillus</i> | Oak-juniper woodlands, | LE | E | Resident |
| Golden-cheeked Warbler | <i>Dendroica chrysoparia</i> | Juniper-oak woodlands. | LE | E | Resident |
| Interior least tern | <i>Sterna antillarum athalassos</i> | Nests along sand and gravel bars in braided streams | LE | E | Resident |
| Mountain Plover | <i>Charadrius montanus</i> | Non-breeding, shortgrass plains and fields | | | Possible Migrant |
| Peregrine Falcon | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state. | DL | T | Possible Migrant |
| | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state. | DL | | Possible Migrant |
| Sprague's Pipit | <i>Anthus spragueii</i> | Only in Texas during migration and winter. | C | | Possible Migrant |
| Western Burrowing Owl | <i>Athene cunicularia hypugaea</i> | Open grasslands, especially prairie, plains and savanna | | | Resident |
| Whooping Crane | <i>Grus americana</i> | Potential migrant | LE | E | Possible Migrant |
| Zone-tailed Hawk | <i>Buteo albonotatus</i> | Arid open country, often near watercourses | | T | Resident |
| CRUSTACEANS | | | | | |
| Ezell's cave amphipod | <i>Stygobromus flagellates</i> | Known only from artesian wells. | | | Resident |
| FISHES | | | | | |
| Edwards Plateau shiner | <i>Cyprinella lepida</i> | Found in the Edwards Plateau portion of the Nueces Basin. | | | Resident |
| Headwater catfish | <i>Ictalurus lupus</i> | Originally found throughout streams of the Edwards Plateau and the Rio Grande Basin. | | | Resident |
| Nueces roundnose minnow | <i>Dionda serena</i> | Found in the mainstream and tributaries of the Nueces, Frio and Sabinal Rivers. | | | Resident |
| INSECTS | | | | | |



| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|---|---------------------------------------|---|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| Leonora's dancer damselfly | <i>Argia leonorae</i> | Found near small streams and seepages. | | | Resident |
| MAMMALS | | | | | |
| Black bear | <i>Ursus americanus</i> | Inhabits bottomland hardwoods | T/SA;NL | T | Historic Resident |
| Cave myotis bat | <i>Myotis velifer</i> | Roosts colonially in caves, rock crevices | | | Resident |
| Frio pocket gopher | <i>Geomys texensis bakeri</i> | Associated with nearly level Atco soils. | | | Resident |
| Gray wolf | <i>Canis lupus</i> | Extirpated, forests, brushlands or grasslands | LE | E | Historic resident |
| Plains spotted skunk | <i>Spilogale putorius interrupta</i> | Prefers wooded, brushy areas. | | | Resident |
| Red wolf | <i>Canis rufus</i> | Extirpated. | LE | E | Historic Resident |
| MOLLUSKS | | | | | |
| Texas pimpleback | <i>Quadrula petrina</i> | Mud, gravel and sand substrates, Colorado and Guadalupe river basins | C | T | Resident |
| PLANTS | | | | | |
| Bracted twistflower | <i>Streptanthus bracteatus</i> | Endemic: found in shallow, well-drained gravelly clays and clay loams over limestone. | C | | Resident |
| Bristle nailwort | <i>Paronychia setacea</i> | Flowering vascular plant endemic to eastern southcentral Texas in sandy soils. | | | Resident |
| Sandhill woollywhite | <i>Hymenopappus carrizoanus</i> | Found south of the Guadalupe River and the Balcones Escarpment. Prefers dense riparian corridors. | | | Resident |
| Texas mock-orange | <i>Philadelphus texensis</i> | Found on limestone outcrops on cliffs and rocky slopes. | | | Resident |
| REPTILES | | | | | |
| Spot-tailed earless lizard | <i>Holbrookia lacerata</i> | Moderately open prairie-brushland. | | | Resident |
| Texas horned lizard | <i>Phrynosoma cornutum</i> | Varied, sparsely vegetated uplands. | | T | Resident |
| Texas indigo snake | <i>Drymarchon melanurus erebennus</i> | Found south of the Guadalupe river and Balcones Escarpment. | | T | Resident |
| Texas tortoise | <i>Gopherus berlandieri</i> | Open brush w/ grass understory. | | T | Resident |
| <p>LE/LT -- Federally Listed Endangered/Threatened DL, PDL -- Federally Delisted/proposed for delisting T/SA -- Listed as Threatened by similarity of appearance E, T -- State listed Endangered/Threatened C -- Species of Concern Blank -- Not yet listed by TPWD or USFWS, but considered rare Source: TPWD, Annotated County List of Rare Species, Medina County (Updated online 4/7/2015).</p> | | | | | |

Table G-17. Endangered, Threatened, or Species of Concern – Refugio County

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|------------------------------------|---|---|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| AMPHIBIANS | | | | | |
| Black-spotted newt | <i>Notophthalmus meridionalis</i> | Usually found in wet or sometimes wet areas in the Gulf Coastal Plain south of the San Antonio River. | | T | Resident |
| Sheep frog | <i>Hypopachus variolosus</i> | Found in grassland and savanna; moist sites in arid areas. | | T | Resident |
| BIRDS | | | | | |
| Attwater's Greater Prairie Chicken | <i>Tympanuchus cupido attwateri</i> | Endemic, within historic range. | LE | E | Historic |
| Bald eagle | <i>Haliaeetus leucocephalus</i> | Found primarily near rivers and large lakes. | DL | T | Possible Migrant |
| Brown pelican | <i>Pelecanus occidentalis</i> | <i>Largely coastal and near shore areas.</i> | DL | | Resident |
| Henslow's Sparrow | <i>Ammodramus henslowii</i> | Found in weedy fields or cut-over areas | | | Resident |
| Mountain Plover | <i>Charadrius montanus</i> | Non-breeding, shortgrass plains and fields | | | Possible Migrant |
| Northern Aplomado Falcon | <i>Falco femoralis septentrionalis</i> | Found in open country, especially savanna and open woodland. | LE | E | Resident |
| Peregrine Falcon | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state. | DL | T | Possible Migrant |
| | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state. | DL | | Possible Migrant |
| Piping plover | <i>Charadrius melodus</i> | Wintering migrant along the Texas Gulf Coast. | LT | T | Possible Migrant |
| Reddish Egret | <i>Egretta rufescens</i> | Resident of Texas Gulf coast. | | T | Resident |
| Snowy Plover | <i>Charadrius alexandrinus</i> | Potential migrant, winters along coast | | | Possible Migrant |
| Sooty Tern | <i>Sterna fuscata</i> | Usually flies or hovers over water. | | T | Resident |
| Western Burrowing Owl | <i>Athene cunicularia hypugaea</i> | Open grasslands, especially prairie, plains and savanna | | | Resident |
| White-faced Ibis | <i>Plegadis chihi</i> | Prefers freshwater marshes. | | T | Resident |
| White-tailed Hawk | <i>Buteo albicaudatus</i> | Found near the coast on prairies. | | T | Resident |
| Whooping Crane | <i>Grus americana</i> | Potential migrant | LE | E | Possible Migrant |
| Wood Stork | <i>Mycteria americana</i> | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX | | T | Possible Migrant |
| FISHES | | | | | |



| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|-------------------------------|--|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| American eel | <i>Anguilla rostrata</i> | Coastal waterways below reservoirs to gulf. | | | Resident |
| Opossum pipefish | <i>Microphis brachyurus</i> | Adults found in fresh or low salinity waters. | | T | Resident |
| Smalltooth sawfish | <i>Pristis pectinata</i> | Found in bays, estuaries or river mouths. | LE | E | Resident |
| MAMMALS | | | | | |
| Louisiana black bear | <i>Ursus americanus luteolus</i> | Possible transient. | LT | T | Transient |
| Ocelot | <i>Leopardus pardalis</i> | Found in dense chaparral thickets; mesquite-thorn scrub and live oak motts. | LE | E | Resident |
| Plains Spotted Skunk | <i>Spilogale putorius interrupta</i> | Prefers wooded, brushy areas. | | | Resident |
| Red Wolf | <i>Canis rufus</i> | Extirpated. | LE | E | Historic Resident |
| West Indian manatee | <i>Trichechus manatus</i> | Gulf and bay systems. | LE | E | Resident |
| White-nosed coati | <i>Nasua narica</i> | Found in woodlands, riparian corridors and canyons. Mostly transients from Mexico. | | T | Resident |
| MOLLUSKS | | | | | |
| Creeper (squawfoot) | <i>Strophitus undulates</i> | Small to large streams | | | Resident |
| Golden orb | <i>Quadrula aurea</i> | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins | C | T | Resident |
| PLANTS | | | | | |
| Black lace cactus | <i>Echinocereus reichenbachii var albertii</i> | Texas endemic found in grasslands, thorn shrublands and mesquite woodlands. | LE | E | Resident |
| Coastal gay-feather | <i>Liatris bracteata</i> | Endemic: found in coastal prairie grasslands. | | | Resident |
| Elmendorf's onion | <i>Allium elmendorffii</i> | Endemic, in deep sands | | | Resident |
| Plains gumweed | <i>Grindelia oolepis</i> | Found on coastal prairies on heavy clay soils. | | | Resident |
| Refugio rain-lily | <i>Zephyranthes refugiensis</i> | Occurs on deep heavy black clay soils or sandy loams. | | | Resident |
| Tharp's rhododon | <i>Rhododon angulatus</i> | Texas endemic found in deep, loose sands in sparsely vegetated areas. | | | Resident |
| Threeflower broomweed | <i>Thurovia triflora</i> | Endemic: near coast. | | | Resident |
| Welder machaeranthera | <i>Psilactis heterocarpa</i> | Endemic; found in grasslands. | | | Resident |
| REPTILES | | | | | |
| Atlantic hawksbill sea turtle | <i>Eretmochelys imbricate</i> | Found in Gulf and bay systems. | LE | E | Resident |
| Green sea turtle | <i>Chelonia mydas</i> | Gulf and bay systems. | LT | T | Resident |
| Gulf Saltmarsh snake | <i>Nerodia clarkii</i> | Found on saline flats. | | | Resident |

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|---|---------------------------------------|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| Kemp's Ridley sea turtle | <i>Lepidochelys kempii</i> | Found in gulf and bay systems. | LE | E | Resident |
| Leatherback sea turtle | <i>Dermochelys coriacea</i> | Gulf and bay systems. | LE | E | Resident |
| Loggerhead sea turtle | <i>Caretta caretta</i> | Gulf and bay systems for juveniles, ocean for adults. | LT | T | Resident |
| Spot-tailed earless lizard | <i>Holbrookia lacerata</i> | Moderately open prairie-brushland. | | | Resident |
| Texas diamondback terrapin | <i>Malaclemys terrapin littoralis</i> | Found in coastal marshes and tidal flats. | | | Resident |
| Texas horned lizard | <i>Phrynosoma cornutum</i> | Varied, sparsely vegetated uplands. | | T | Resident |
| Texas indigo snake | <i>Drymarchon melanurus erebennus</i> | Found south of the Guadalupe river and Balcones Escarpment. | | | Resident |
| Texas scarlet snake | <i>Cemophora coccinea lineri</i> | Found in mixed hardwood scrub on sandy soils. | | T | Resident |
| Texas tortoise | <i>Gopherus berlandieri</i> | Open brush w/ grass understory. | | T | Resident |
| Timber rattlesnake | <i>Crotalus horridus</i> | Floodplains, upland pine, deciduous woodlands, riparian zones. | | T | Resident |
| <p>LE/LT -- Federally Listed Endangered/Threatened DL, PDL -- Federally Delisted/proposed for delisting T/SA -- Listed as Threatened by similarity of appearance E, T -- State listed Endangered/Threatened C -- Species of Concern Blank -- Not yet listed by TPWD or USFWS, but considered rare Source: TPWD, Annotated County List of Rare Species, Refugio County (Updated 12/11/2014).</p> | | | | | |

Table G-18. Endangered, Threatened, or Species of Concern – Uvalde County

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|-----------------------------------|---|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| AMPHIBIANS | | | | | |
| Valdina Farms sinkhole salamander | <i>Eurycea troglodytes complex</i> | Found in isolated, intermittent pools of subterranean streams and sinkholes within the Edwards Aquifer area. | | | Resident |
| BIRDS | | | | | |
| Baird's Sparrow | <i>Ammodramus bairdii</i> | Found in shortgrass prairie areas. Migratory in the western half of Texas. | | | Possible Migrant |
| Black-capped Vireo | <i>Vireo atricapillus</i> | Oak-juniper woodlands, | LE | E | Resident |
| Golden-cheeked Warbler | <i>Dendroica chrysoparia</i> | Juniper-oak woodlands. | LE | E | Resident |
| Interior least tern | <i>Sterna antillarum athalassos</i> | Nests along sand and gravel bars in braided streams | LE | E | Possible Migrant |
| Mountain Plover | <i>Charadrius montanus</i> | Non-breeding, shortgrass plains and fields | | | Possible Migrant |
| Peregrine Falcon | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state. | DL | T | Possible Migrant |
| | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state. | DL | | Possible Migrant |
| Sennett's Hooded Oriole | <i>Icterus cucullatus sennetti</i> | This species often builds nests of Spanish moss. | | | Resident |
| Sprague's Pipit | <i>Anthus spragueii</i> | Only in Texas during migration and winter. | C | | Possible Migrant |
| Western Burrowing Owl | <i>Athene cunicularia hypugaea</i> | Open grasslands, especially prairie, plains and savanna | | | Resident |
| Zone-tailed Hawk | <i>Buteo albonotatus</i> | Arid open country, often near watercourses | | T | Resident |
| CRUSTACEANS | | | | | |
| A cave obligate crustacean | <i>Monodella texana</i> | Subaquatic, underground freshwater aquifers | | | Resident |
| FISHES | | | | | |
| Blue sucker | <i>Cycleptus elongates</i> | Major rivers in Texas. | | T | Resident |
| Edwards Plateau shiner | <i>Cyprinella lepida</i> | Found in the Edwards Plateau portion of the Nueces Basin. | | | Resident |
| Guadalupe bass | <i>Micropterus treculi</i> | Endemic to perennial streams of the Edwards Plateau region. | | | Resident |
| Headwater catfish | <i>Ictalurus lupus</i> | Originally found throughout streams of the Edwards Plateau and the Rio Grande Basin. | | | Resident |

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|----------------------------|---|---|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| Nueces River shiner | <i>Cyprinella sp.2</i> | Edwards Plateau portion of the Nueces Basin in clear, cool, spring-fed headwater creeks. | | | Resident |
| Nueces roundnose minnow | <i>Dionda serena</i> | Found in the mainstream and tributaries of the Nueces, Frio and Sabinal Rivers. | | | Resident |
| INSECTS | | | | | |
| A mayfly | <i>Allenhyphes michaeli</i> | Found in the Texas Hill Country. Distinguished by an aquatic larval stage, with adults generally found in shoreline vegetation. | | | Resident |
| Coahuila giant skipper | <i>Agathymus remingtoni valverdiensis</i> | Found with the Lechugilla plant in desert hills and thorn forests. | | | Resident |
| Leonora's dancer damselfly | <i>Argia leonorae</i> | Found near small streams and seepages. | | | Resident |
| Sage sphinx | <i>Sphinx eremitoides</i> | Found in desert, grassland and sandy prairie with sage. | | | Resident |
| MAMMALS | | | | | |
| Black Bear | <i>Ursus americanus</i> | Inhabits bottomland hardwoods | T/SA;NL | T | Historic Resident |
| Cave Myotis Bat | <i>Myotis velifer</i> | Roosts colonially in caves, rock crevices | | | Resident |
| Frio pocket gopher | <i>Geomys texensis bakeri</i> | Associated with nearly level Atco soils. | | | Resident |
| Ghost-faced bat | <i>Mormoops megalophylla</i> | Roosts in caves, crevices and buildings | | | Resident |
| Gray wolf | <i>Canis lupus</i> | Extirpated, forests, brushlands or grasslands | LE | E | Historic resident |
| Jaguarundi | <i>Herpailurus yaguarondi</i> | Found in thick brushlands near water. | LE | E | Resident |
| Ocelot | <i>Leopardus pardalis</i> | Found in dense chaparral thickets; mesquite-thorn scrub and live oak motts. | LE | E | Resident |
| Red Wolf | <i>Canis rufus</i> | Extirpated. | LE | E | Historic Resident |
| White-nosed coati | <i>Nasua narica</i> | Found in woodlands, riparian corridors and canyons. Mostly transients from Mexico. | | T | Resident |
| PLANTS | | | | | |
| Big red sage | <i>Salvia penstemonoides</i> | Endemic; moist to seasonally wet clay or silt soils in creek beds. | | | Resident |
| Boerne bean | <i>Phaseolus texensis</i> | Narrowly endemic to rocky canyons in eastern and southern Edwards Plateau. | | | Resident |



| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|---|---|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| Bracted twistflower | <i>Streptanthus bracteatus</i> | Endemic; found in shallow, well-drained gravelly clays and clay loams over limestone. | | | Resident |
| Hill Country wild-mercury | <i>Argythamnia aphoroides</i> | Endemic; found primarily in grasslands associated with live oak woodlands. | | | |
| Sabinal prairie-clover | <i>Dalea sabinalis</i> | Texas endemic; found mostly in bluestem-grama grasslands associated with live oak woodlands. | | | Resident |
| Springrun whitehead | <i>Shinnersia rivularis</i> | Found in shallow, slow-moving water in spring-fed streams and rivers. | | | Resident |
| Texas greasebush | <i>Glossopetalon texense</i> | Texas endemic; found in dry limestone ledges and outcrops. | | | Resident |
| Texas largeseed bittercress | <i>Cardamine macrocarpa</i> var <i>texana</i> | Found in seasonally moist, loamy soils in pine-oak woodlands at high elevations. | | | Resident |
| Texas mock-orange | <i>Philadelphus texensis</i> | Found on limestone outcrops on cliffs and rocky slopes. | | | Resident |
| Tobusch fishhook cactus | <i>Sclerocactus brevihamatus</i> ssp. | Texas endemic; found on shallow, moderately alkaline stony clay and clay loams over limestone. | | | Resident |
| REPTILES | | | | | |
| Reticulate collared lizard | <i>Crotaphytus reticulatus</i> | Requires open brush-grasslands; thorn-scrub vegetation. | | T | Resident |
| Spot-tailed earless lizard | <i>Holbrookia lacerata</i> | Moderately open prairie-brushland. | | | Resident |
| Texas horned lizard | <i>Phrynosoma cornutum</i> | Varied, sparsely vegetated uplands. | | T | Resident |
| Texas indigo snake | <i>Drymarchon melanurus erebennus</i> | Found south of the Guadalupe river and Balcones Escarpment. | | T | Resident |
| Texas tortoise | <i>Gopherus berlandieri</i> | Open brush w/ grass understory. | | T | Resident |
| <p>LE/LT -- Federally Listed Endangered/Threatened DL, PDL -- Federally Delisted/proposed for delisting T/SA -- Listed as Threatened by similarity of appearance E, T -- State listed Endangered/Threatened C -- Species of Concern Blank -- Not yet listed by TPWD or USFWS, but considered rare Source: TPWD, Annotated County List of Rare Species, Uvalde County (Updated 10/2/2012).</p> | | | | | |

Table G-19. Endangered, Threatened, or Species of Concern – Victoria County

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|------------------------------------|---|---|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| AMPHIBIANS | | | | | |
| Black-spotted newt | <i>Notophthalmus meridionalis</i> | Usually found in wet or sometimes wet areas in the Gulf Coastal Plain south of the San Antonio River. | | T | Resident |
| BIRDS | | | | | |
| Attwater's Greater Prairie Chicken | <i>Tympanuchus cupido attwateri</i> | Endemic, within historic range. | LE | E | Historic |
| Bald eagle | <i>Haliaeetus leucocephalus</i> | Found primarily near rivers and large lakes. | DL | T | Possible Migrant |
| Brown pelican | <i>Pelecanus occidentalis</i> | <i>Largely coastal and near shore areas.</i> | DL | | Resident |
| Henslow's Sparrow | <i>Ammodramus henslowii</i> | Found in weedy fields or cut-over areas | | | Resident |
| Interior least tern | <i>Sterna antillarum athalassos</i> | Nests along sand and gravel bars in braided streams | LE | E | Resident |
| Mountain Plover | <i>Charadrius montanus</i> | Non-breeding, shortgrass plains and fields | | | Possible Migrant |
| Peregrine Falcon | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state. | DL | T | Possible Migrant |
| | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state. | DL | | Possible Migrant |
| Reddish Egret | <i>Egretta rufescens</i> | Resident of Texas Gulf coast. | | T | Resident |
| Sprague's Pipit | <i>Anthus spragueii</i> | Only in Texas during migration and winter. | C | | Possible Migrant |
| Western Burrowing Owl | <i>Athene cunicularia hypugaea</i> | Open grasslands, especially prairie, plains and savanna | | | Resident |
| White-faced Ibis | <i>Plegadis chihi</i> | Prefers freshwater marshes. | | T | Resident |
| White-tailed Hawk | <i>Buteo albicaudatus</i> | Found near the coast on prairies. | | T | Resident |
| Whooping Crane | <i>Grus americana</i> | Potential migrant | LE | E | Possible Migrant |
| Wood Stork | <i>Mycteria americana</i> | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX | | T | Possible Migrant |
| FISHES | | | | | |
| American eel | <i>Anguilla rostrata</i> | Coastal waterways below reservoirs to gulf. | | | Resident |
| INSECTS | | | | | |



| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|-------------------------------|--|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| A mayfly | <i>Tortopus circumfluus</i> | Aquatic larval stage, adults generally found in shoreline vegetation. | | | Resident |
| Texas asaphomyian tabanid fly | <i>Asaphomyia texensis</i> | Globally historic species. | | | Resident |
| MAMMALS | | | | | |
| Louisiana black bear | <i>Ursus americanus luteolus</i> | Possible transient. | LT | T | Transient |
| Plains spotted skunk | <i>Spilogale putorius interrupta</i> | Prefers wooded, brushy areas. | | | Resident |
| Red wolf | <i>Canis rufus</i> | Extirpated. | LE | E | Historic Resident |
| White-nosed coati | <i>Nasua narica</i> | Found in woodlands, riparian corridors and canyons. Mostly transients from Mexico. | | T | Resident |
| MOLLUSKS | | | | | |
| Creeper (squawfoot) | <i>Strophitus undulates</i> | Small to large streams | | | Resident |
| False spike mussel | <i>Quincuncina mitchelli</i> | Substrates of cobble and mud with water lilies present. Rio Grande, Brazos, Colorado and Guadalupe river basins. | | T | Resident |
| Golden orb | <i>Quadrula aurea</i> | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins | C | T | Resident |
| Texas pimpleback | <i>Quadrula petrina</i> | Mud, gravel and sand substrates, Colorado and Guadalupe river basins | C | T | Resident |
| PLANTS | | | | | |
| Shinner's sunflower | <i>Helianthus occidentalis ssp. Plantagineus</i> | Found on prairies on the Coastal Plain | | | Resident |
| Welder machaeranthera | <i>Psilactis heterocarpa</i> | Endemic; found in grasslands. | | | Resident |
| REPTILES | | | | | |
| Cagle's map turtle | <i>Graptemys caglei</i> | Endemic to Guadalupe River System. Found within 30 feet of waters' edge. | | T | Resident |
| Texas diamondback terrapin | <i>Malaclemys terrapin littoralis</i> | Found in coastal marshes and tidal flats. | | | Resident |
| Texas horned lizard | <i>Phrynosoma cornutum</i> | Varied, sparsely vegetated uplands. | | T | Resident |
| Texas tortoise | <i>Gopherus berlandieri</i> | Open brush w/ grass understory. | | T | Resident |
| Timber rattlesnake | <i>Crotalus horridus</i> | Floodplains, upland pine, deciduous woodlands, riparian zones. | | T | Resident |

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|--|-----------------|-------------------------------|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| LE/LT -- Federally Listed Endangered/Threatened DL, PDL -- Federally Delisted/proposed for delisting T/SA -- Listed as Threatened by similarity of appearance E, T -- State listed Endangered/Threatened C -- Species of Concern Blank -- Not yet listed by TPWD or USFWS, but considered rare Source: TPWD, Annotated County List of Rare Species, Victoria County (Updated 4/28/2014). | | | | | |

Table G-20. Endangered, Threatened, or Species of Concern – Wilson County

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|------------------------|---|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| BIRDS | | | | | |
| Interior least tern | <i>Sterna antillarum athalassos</i> | Nests along sand and gravel bars in braided streams | LE | E | Resident |
| Mountain Plover | <i>Charadrius montanus</i> | Non-breeding, shortgrass plains and fields | | | Possible Migrant |
| Peregrine Falcon | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state. | DL | T | Possible Migrant |
| | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state. | DL | | Possible Migrant |
| Sprague's Pipit | <i>Anthus spragueii</i> | Only in Texas during migration and winter. | C | | Possible Migrant |
| Western Burrowing Owl | <i>Athene cunicularia hypugaea</i> | Open grasslands, especially prairie, plains and savanna | | | Resident |
| Whooping Crane | <i>Grus americana</i> | Potential migrant | LE | E | Possible Migrant |
| Wood Stork | <i>Mycteria americana</i> | Forages in prairie ponds, ditches, and shallow standing water formerly nested in TX | | T | Possible Migrant |
| INSECTS | | | | | |
| Manfreda giant-skipper | <i>Stallingsia maculosus</i> | Skipper larvae usually feed inside a leaf shelter. | | | Resident |
| MAMMALS | | | | | |
| Cave myotis bat | <i>Myotis velifer</i> | Roosts colonially in caves, rock crevices | | | Resident |
| Plains spotted skunk | <i>Spilogale putorius interrupta</i> | Prefers wooded, brushy areas. | | | Resident |
| Red wolf | <i>Canis rufus</i> | Extirpated. | LE | E | Historic Resident |
| MOLLUSKS | | | | | |
| Creeper (squawfoot) | <i>Strophitus undulates</i> | Small to large streams | | | Resident |
| False spike mussel | <i>Quincuncina mitchelli</i> | Substrates of cobble and mud with water lilies present. Rio Grande, Brazos, Colorado and Guadalupe river basins. | | T | Resident |
| Golden orb | <i>Quadrula aurea</i> | Sand and gravel, Guadalupe, San Antonio, and Nueces River basins | C | T | Resident |
| Texas pimpleback | <i>Quadrula petrina</i> | Mud, gravel and sand substrates, Colorado and Guadalupe river basins | C | T | Resident |
| PLANTS | | | | | |
| Big red sage | <i>Salvia penstemonoides</i> | Endemic; moist to seasonally wet clay or silt soils in creek beds. | | | Resident |

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|---|---------------------------------------|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| Bristle nailwort | <i>Paronychia setacea</i> | Flowering vascular plant endemic to eastern southcentral Texas in sandy soils. | | | Resident |
| Elmendorf's onion | <i>Allium elmendorffii</i> | Endemic, in deep sands | | | Resident |
| Green beebalm | <i>Monarda viridissima</i> | Endemic perennial herb of the Carrizo Sands. | | | Resident |
| REPTILES | | | | | |
| Spot-tailed earless lizard | <i>Holbrookia lacerata</i> | Moderately open prairie-brushland. | | | Resident |
| Texas horned lizard | <i>Phrynosoma cornutum</i> | Varied, sparsely vegetated uplands. | | T | Resident |
| Texas indigo snake | <i>Drymarchon melanurus erebennus</i> | Found south of the Guadalupe river and Balcones Escarpment. | | T | Resident |
| Texas tortoise | <i>Gopherus berlandieri</i> | Open brush w/ grass understory. | | T | Resident |
| LE/LT -- Federally Listed Endangered/Threatened DL, PDL -- Federally Delisted/proposed for delisting T/SA -- Listed as Threatened by similarity of appearance E, T -- State listed Endangered/Threatened C -- Species of Concern Blank -- Not yet listed by TPWD or USFWS, but considered rare Source: TPWD, Annotated County List of Rare Species, Wilson County (Updated 8/7/2012). | | | | | |

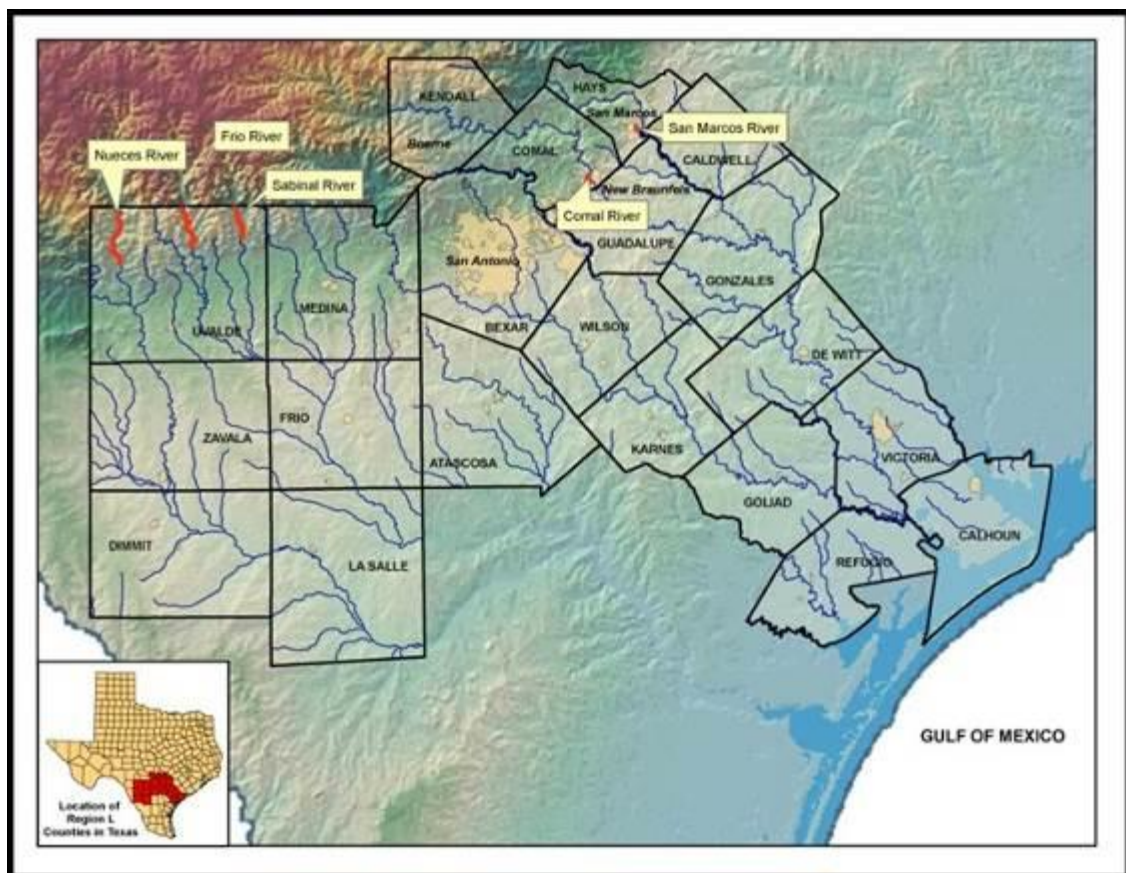
Table G-21. Endangered, Threatened, or Species of Concern – Zavala County

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|-------------------------------|---|--|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| BIRDS | | | | | |
| Baird's Sparrow | <i>Ammodramus bairdii</i> | Found in shortgrass prairie areas. Migratory in the western half of Texas. | | | Possible Migrant |
| Interior least tern | <i>Sterna antillarum athalassos</i> | Nests along sand and gravel bars in braided streams | LE | E | Resident |
| Mountain Plover | <i>Charadrius montanus</i> | Non-breeding, shortgrass plains and fields | | | Possible Migrant |
| Peregrine Falcon | <i>Falco peregrinus anatum</i> (American) | Resident and local breeder in West Texas. Migrant across the state. | DL | T | Possible Migrant |
| | <i>Falco peregrinus tundrius</i> (Arctic) | Migrant throughout the state. | DL | | Possible Migrant |
| Sennett's Hooded Oriole | <i>Icterus cucullatus sennetti</i> | This species often builds nests of Spanish moss. | | | Resident |
| Sprague's Pipit | <i>Anthus spragueii</i> | Only in Texas during migration and winter. | C | | Possible Migrant |
| Western Burrowing Owl | <i>Athene cunicularia hypugaea</i> | Open grasslands, especially prairie, plains and savanna | | | Resident |
| MAMMALS | | | | | |
| Black Bear | <i>Ursus americanus</i> | Inhabits bottomland hardwoods | T/SA;NL | T | Historic Resident |
| Carrizo Springs pocket gopher | <i>Geomys personatus streckeri</i> | Uses underground burrows in deep sandy soils. | | | Resident |
| Cave Myotis Bat | <i>Myotis velifer</i> | Roosts colonially in caves, rock crevices | | | Resident |
| Frio pocket gopher | <i>Geomys texensis bakeri</i> | Associated with nearly level Atco soils. | | | Resident |
| Ghost-faced bat | <i>Mormoops megalophylla</i> | Roosts in caves, crevices and buildings | | | Resident |
| Gray wolf | <i>Canis lupus</i> | Extirpated, forests, brushlands or grasslands | LE | E | Historic resident |
| Ocelot | <i>Leopardus pardalis</i> | Found in dense chaparral thickets; mesquite-thorn scrub and live oak motts. | LE | E | Resident |
| White-nosed coati | <i>Nasua narica</i> | Found in woodlands, riparian corridors and canyons. Mostly transients from Mexico. | | T | Resident |
| PLANTS | | | | | |
| Springrun whitehead | <i>Skinnerisia rivularis</i> | Found in shallow, slow-moving water in small streams and rivers. | | | Resident |
| REPTILES | | | | | |

| Common Name | Scientific Name | Summary of Habitat Preference | Listing Entity | | Potential Occurrence in County |
|--|---------------------------------------|---|----------------|------|--------------------------------|
| | | | USFWS | TPWD | |
| Reticulate collared lizard | <i>Crotaphytus reticulatus</i> | Requires open brush-grasslands; thorn-scrub vegetation. | | T | Resident |
| Spot-tailed earless lizard | <i>Holbrookia lacerata</i> | Moderately open prairie-brushland. | | | Resident |
| Texas horned lizard | <i>Phrynosoma cornutum</i> | Varied, sparsely vegetated uplands. | | T | Resident |
| Texas indigo snake | <i>Drymarchon melanurus erebennus</i> | Found south of the Guadalupe river and Balcones Escarpment. | | T | Resident |
| Texas tortoise | <i>Gopherus berlandieri</i> | Open brush w/ grass understory. | | T | Resident |
| <p>LE/LT -- Federally Listed Endangered/Threatened DL, PDL -- Federally Delisted/proposed for delisting T/SA -- Listed as Threatened by similarity of appearance E, T -- State listed Endangered/Threatened C -- Species of Concern Blank -- Not yet listed by TPWD or USFWS, but considered rare Source: TPWD, Annotated County List of Rare Species, Zavala County (Updated 12/15/2011).</p> | | | | | |

South Central Texas Regional Water Planning Area

Recommendation of Stream Segments Having Unique Ecological Value For Legislative Designation



December 2015



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***South Central Texas Regional Water Planning Group
Recommendation of
Stream Segments Having Unique Ecological Value
for Legislative Designation***

1 Legislative Authority, Texas Water Development Board Guidance, and Recommendations

The Texas Legislature has the authority to designate a river or stream segment as having unique ecological value. Authority for such designation is found in Texas Water Code subsection §16.051. State Water Plan: Drought, Conservation, Development, and Management; Effect of Plan. The designation of a stream segment as having unique ecological value solely means that a state agency or political subdivision of the state may not finance the actual construction of a reservoir in a specific river or stream segment designated by the legislature.

The Texas Water Development Board (TWDB) rules regarding regional water planning (Texas Administrative Code, Title 31, Part 10, Chapter 357, Rule 357.43) also address the topic of ecologically unique river and stream segments. These rules provide that regional water planning groups may include in adopted regional water plans recommendations for all or parts of any river or stream segment of unique ecological value located within their regional water planning area.

Proposals developed for the purpose of recommending river or stream segments for designation as having unique ecological value are required to address certain specific criteria for each identified segment. The recommendation of a river or stream segment as being of unique ecological value is based upon one or more of the following five criteria:

- Biological Function – stream segments which display significant overall habitat value including both quantity and quality considering the degree of biodiversity, age, and uniqueness observed and including terrestrial, wetland, aquatic, or estuarine habitats.
- Hydrologic Function – stream segments which are fringed by habitats that perform valuable hydrologic functions relating to water quality, flood attenuation, flow stabilization, or groundwater recharge and discharge.
- Riparian Conservation Areas – stream segments which are fringed by significant areas in public ownership including state and federal refuges, wildlife management areas, preserves, parks, mitigation areas, or other areas held by governmental organizations for conservation purposes, or stream segments which are fringed by other areas managed for conservation purposes under a governmentally approved conservation plan.

- High Water Quality/Exceptional or High Aquatic Life Use/High Aesthetic Value – stream segments or spring resources that are significant due to unique or critical habitats and exceptional aquatic life uses dependent or associated with high water quality.
- Threatened or Endangered Species/Unique Communities – sites along streams where water development projects would have significant detrimental effects on state or federally listed threatened and endangered species, and sites along streams significant due to the presence of unique, exemplary, or unusually extensive natural communities.

The South Central Texas Regional Water Planning Group (SCTRWPG) conditionally recommends to the Texas Legislature that, in accordance with Subsection 16.051 of the Texas Water Code, it designate the following five stream segments in Region L (Figure 1) as having unique ecological value:

- The Nueces River from the northern boundary of Region L downstream to United States Geological Survey (USGS) gauge #08190000 at Laguna (within Texas Commission on Environmental Quality (TCEQ) classified stream segment 2112);
- The Frio River from the northern boundary of Region L downstream to USGS gauge #08195000 at Concan (within TCEQ classified stream segment 2113);
- The Sabinal River from the northern boundary of Region L downstream to the State Highway 187 crossing located approximately 2.7 miles upstream of USGS gauge #08198000 near Sabinal (within TCEQ classified stream segment 2111);
- The San Marcos River extending from IH 35 up to a point 0.4 miles upstream of Loop 82 in San Marcos (within TCEQ classified stream segment 1814); and
- The Comal River extending from the confluence with the Guadalupe River upstream to Klingemann Street in New Braunfels (TCEQ classified stream segment 1811).

2 Conditions

Because the consequences of such designations by the Legislature are not well understood, these recommendations are conditioned upon legislation providing for these designations containing the following clarifying provisions or substantially similar provisions approved by Region L:

The designation of a river or stream segment as being of unique ecological value:

- 1) Does not affect the ability of a state agency or political subdivision of the state to construct, operate, maintain, or replace a weir, a water diversion, flood control, drainage, or water supply system, a low water crossing or a recreational facility in the designated segment;
- 2) Does not prohibit the permitting, financing, construction, operation, maintenance, or replacement of any water management strategy to meet projected water supply needs recommended in, or designated as an alternative in, either the 2011 or 2016 regional water plans for Region L; and
- 3) Does not alter any existing property right of an affected landowner.

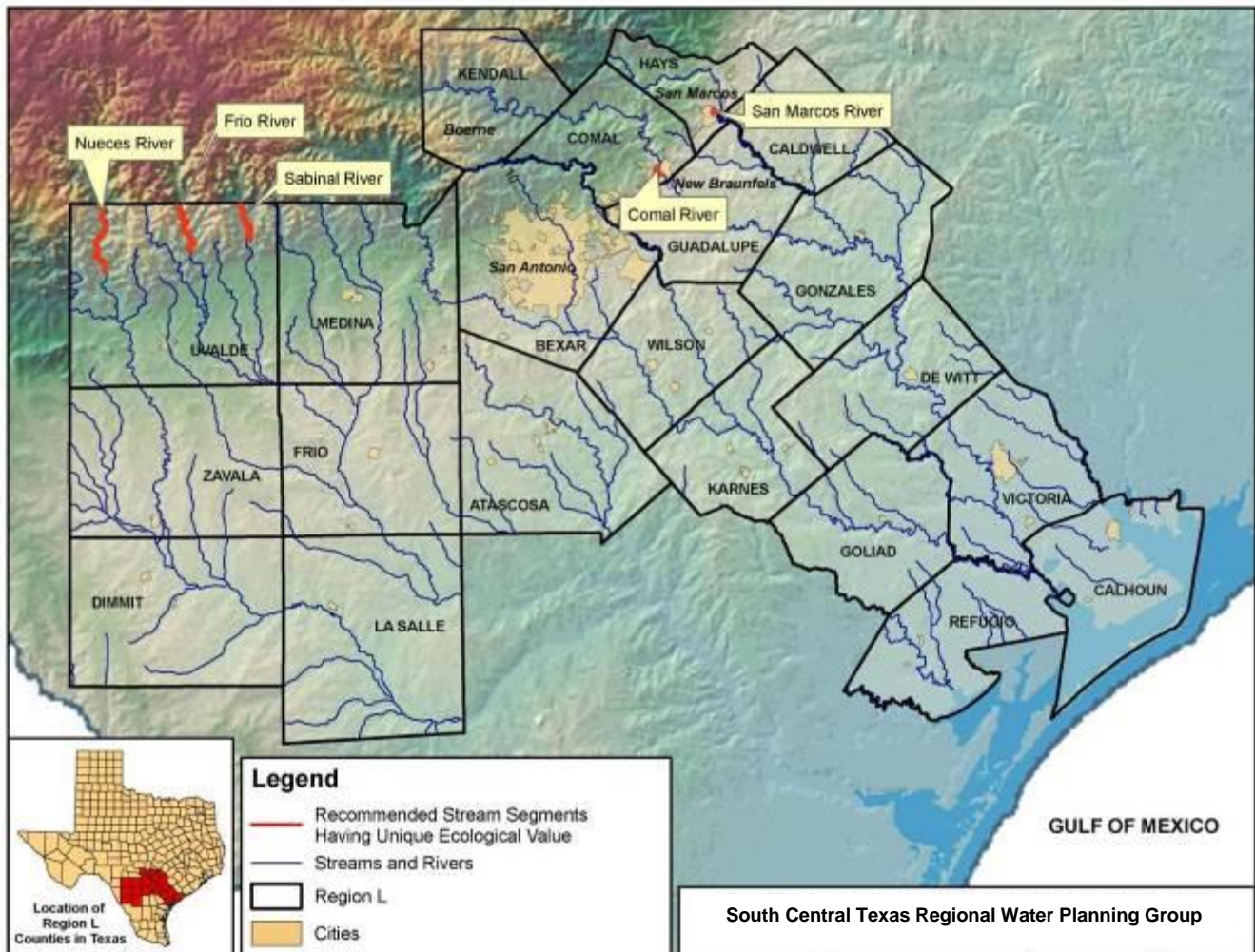


Figure 1. Conditionally Recommended Unique Stream Segments

3 Committee and Process

On February 7, 2008, a subcommittee of the South Central Texas Regional Water Planning Group (SCTRWPG) was formed to consider the potential recommendation of selected stream segments within Region L for legislative designation as having “unique ecological value.” It was the understanding of this subcommittee that such designation “solely means that a state agency or political subdivision of the state may not finance the actual construction of a reservoir in a specific river or stream segment designated by the legislature (TWC16.051).” This subcommittee was comprised of SCTRWPG members Con Mims (Chair), Evelyn Bonavita, Donna Balin, Iliana Peña, and David Langford, with additional technical support provided by Cindy Loeffler of the Texas Parks & Wildlife Department (TPWD) and Sam Vaugh of HDR Engineering, Inc. (HDR).

Discussions among the subcommittee members and others led to initial selection of the five (5) stream segments described above for further consideration by the SCTRWPG as having unique ecological value. The subcommittee further noted that the potential recommendation of these stream segments for designation was not intended to affect the repair, rehabilitation, or replacement of existing dams and reservoirs. Subcommittee discussions, the initial selection of stream segments, and documentation of the process were reviewed by the Staff Workgroup on April 23, 2009. On May 7, 2009, the subcommittee reported the initial selection of stream segments for further consideration to the SCTRWPG. The SCTRWPG acted by consensus to pursue further consideration of the initial selection of stream segments and directed HDR to compile documentation in the form of a draft recommendation package to support designation.

Components of the draft recommendation package were reviewed with the Staff Workgroup on July 23, 2009 and discussed by the SCTRWPG on August 6, 2009 and November 5, 2009. A draft recommendation package, refined in accordance with SCTRWPG comments, was transmitted to TPWD on December 24, 2009 for their review and development of a written evaluation within 30 days of receipt. TPWD comments were received in a letter dated January 26, 2010 and the recommendation package was refined as necessary.

In accordance with TWDB guidance, the assessment of cumulative effects of regional water plan implementation in Section 7 of the 2011 South Central Texas Regional Water Plan includes information specifically relevant to the stream segments recommended for legislative designation.

Pursuant to action of the SCTRWPG in February 2010, recommendation of stream segments for legislative designation was included in the Initially Prepared 2011 South Central Texas Regional Water Plan (IPP). Pursuant to action of the SCTRWPG in August 2010 (with due consideration of relevant public comments on the IPP), recommendation of stream segments for legislative designation was included in the adopted 2011 South Central Texas Regional Water Plan approved by the TWDB. The TWDB, in turn, included the following policy recommendation in the 2012 State Water Plan:

The legislature should designate the nine river stream segments of unique ecological value recommended in the 2011 regional water plans (Pecan Bayou, Black Cypress Creek, Black Cypress Bayou, Alamito Creek, Nueces River, Frio River, Sabinal River, Comal River, and San Marcos River) for protection under Texas Water Code, Section 16.051(f).

Despite filing and consideration of companion bills (i.e. SB 589 and HB 3260) regarding designation of the segments recommended by the SCTRWPG and the TWDB, the 83rd Texas Legislature did not ultimately vote on the bills. Hence, the SCTRWPG acted by consensus during its meeting of November 6, 2014 to renew its recommendation of these same five stream segments having unique ecological value for designation by 84th Texas Legislature. In accordance with TWDB rules, this recommendation was submitted to the TPWD in December 2014 and TPWD responded with its written evaluation in the form of a January 2015 letter (Exhibit 6). Companion bills (i.e. HB1016 and SB1293) supporting the recommended segment designations are pending in the 84th Texas Legislature.

4 *Documentation by Stream Segment*

Information used to support the criteria selected for the five segments recommended for unique ecological value designation was acquired from a number of sources. The Nueces, Frio, and Sabinal River segments recommended within Region L are listed in The Nationwide Rivers Inventory (NRI) prepared by the National Park Service (NPS, 1995). This inventory lists more than 3,400 free-flowing river segments in the United States that are believed to possess one or more "outstandingly remarkable" natural or cultural values judged to be of more than local or regional significance. All federal agencies must seek to avoid or mitigate actions that would adversely affect one or more NRI segments based on a 1979 Presidential directive, and related Council on Environmental Quality procedures. Statewide river assessments and federal agencies involved with stream-related projects use the NRI as a source of important information. The inventory can provide the location of the nearest naturally-functioning system which might serve as a reference for monitoring activities for any group concerned with ecosystem management. Restoration efforts on a similar section of river can utilize the NRI as a source for lists of plant and animal species required for restoration efforts. It also provides a listing of free-flowing, relatively undisturbed river segments for the use of recreationalists.

All of the recommended segments lie within areas contributing to or below springs emanating from the Edwards Aquifer. This aquifer is divided into three main zones: the contributing zone, the recharge zone, and the artesian zone (Eckhardt, 2009). The contributing zone is sometimes called the drainage area or the catchment area. Within this area, water falls on the land surface then runs off into streams or infiltrates into aquifers found under the Edwards Plateau. This runoff from the land surface, in addition to water table springs feed streams that

flow over relatively impermeable limestones until they reach the Edwards Aquifer Recharge zone (Eckhardt, 2009). The recharge zone includes an area where large quantities of water flow into the aquifer facilitated by the presence of highly faulted and fractured Edwards limestone outcrops at the land surface. Water from the recharge zone is then moved by gravity into the artesian zone where it is trapped by rock formations. Water stored in the aquifer creates pressure gradients that sustain artesian wells and springs within the area. Major examples of this include Comal and San Marcos Springs, the two largest in Texas.

High water quality, and high or exceptional aquatic life values, the criteria for which are specified in the Texas Surface Water Quality Standards are present in all five recommended segments. The Texas Surface Water Quality Standards establish explicit goals for the quality of streams, lakes, and bays throughout the state. These standards are developed to maintain the quality of surface waters in Texas so that these waters support public health and enjoyment and protect aquatic life, consistent with the sustainable economic development of the state.

Table 1 presents the criteria met by each of the five recommended segments of unique ecological value in Region L.

Table 1.
Criteria for Unique Ecological Value and
Stream Segments Recommended for Designation in Region L

| Criteria | Nueces River | Frio River | Sabinal River | San Marcos River | Comal River |
|--|---------------------|-------------------|----------------------|-------------------------|--------------------|
| Biological Function | ✓ | ✓ | ✓ | ✓ | ✓ |
| Hydrologic Function | ✓ | ✓ | ✓ | ✓ | ✓ |
| Riparian Conservation Areas | | ✓ | | ✓ | ✓ |
| High Water Quality/Exceptional or High Aquatic Life Use/High Aesthetic Value | ✓ | ✓ | ✓ | ✓ | ✓ |
| Threatened or Endangered Species/Unique Communities | ✓ | ✓ | ✓ | ✓ | ✓ |
| ✓ Indicates criteria listed from the Texas Water Development Board Regional Water Planning Guidelines met by each segment recommended for designation. | | | | | |

4.1 Nueces River

The Nueces River begins in northwestern Real County and flows south, where it joins its West Fork northwest of Uvalde in Uvalde County. From this confluence the river flows south approximately 357 miles providing freshwater inflows to Nueces Bay and ultimately Corpus Christi Bay. The upper section of the Nueces River is considered to be one of the more aesthetically pleasing stream segments in the state (Belisle, 1974). The East Fork of the Nueces River rises from springs in the Edwards Plateau, and its clear water flows through scenic limestone canyons (Brune, 1981). Historically, many springs could be found along the banks of the Nueces River. However, springs are currently only found in the bottom of the river channel (Brune, 1981). Several spring-fed tributaries, most importantly the Frio River, help to ensure that some flow is present in the Nueces River, although it is often shallow (Belisle, 1974). Water in the Nueces River sinks into gravels in the river bottom as it crosses the Balcones Fault Zone and reappears through several springs in other local creeks and rivers such as Spring Creek and the Leona River (Brune, 1981).

The Edwards Plateau portion of the Nueces River has banks lined with characteristic larger trees including pecan (*Carya illinoensis*), oak (*Quercus* sp.), sycamore (*Platanus occidentalis*), and cedar-elm (*Ulmus crassifolia*). These areas give way to other species such as sagebrush (*Artemisia* sp.), mesquite (*Prosopis glandulosa*), and cacti (*Opuntia* spp.) as the river enters the South Texas Brush Country. The riparian woodlands provide important nesting, migration, and wintering habitat for a variety of birds. Green herons, spotted sandpipers, green kingfishers, turkey vultures and others live in the river corridor (NPS, 1995). River banks within this area are commonly lined with ferns, sedges, switch grass, cardinal lobelia, frog fruit, and water cress. The aquatic and riparian habitats associated with the Nueces River support a diverse assemblage of invertebrates, fish, birds, and plants characteristic of the Edwards Plateau.

This recommended river segment includes that portion of the Nueces River which runs from the northern boundary of Region L at the junction of the Edwards, Real, and Uvalde County borders downstream to USGS gauge # 08190000 at Laguna (within TCEQ classified stream segment 2112), a length of approximately 19 river miles (Exhibit 1).

The recommendation of this segment of the Nueces River as having unique ecological value is based upon the following criteria:

Biological Function - This segment is included in the National Park Service Nationwide Rivers Inventory for outstandingly remarkable fish and wildlife values (NPS, 1995). (Photo #1 & Exhibit 1)

Hydrologic Function - Numerous springs along and within the Nueces River provide valuable hydrologic functions relating to the discharge of the Edwards-Trinity (Plateau) Aquifer, and flow within the river provides recharge to the Edwards Balcones Fault Zone Aquifer as it crosses the outcrop portion (Brune, 1981). The recommended segment of the Nueces River is located over the Edwards Aquifer Contributing Zone. Within this area water falls on the land surface then runs off into streams or infiltrates into aquifers found under the Edwards Plateau (Eckhardt, 2009). Northeast of Montell, surface flow of the river may cease as underflow continues to feed nearby Candelaria Springs, the site of an ancient Indian village and the Spanish Mission Nuestra Senora de la Candelaria (Brune, 1981). (Photo #2 & Exhibit 1)

High Water Quality/Exceptional or High Aquatic Life Use/High Aesthetic Value - This segment of the Nueces River is classified in the high aquatic life use category by the Texas Commission on Environmental Quality as its attributes include highly diverse habitat, regionally expected species assemblage, presence of sensitive species, high diversity and species richness, and/or balanced to slightly imbalanced trophic structure (TCEQ, 2000). The entire segment offers high aesthetic value. It has been recommended by the National Park Service for inclusion in the proposed Texas Natural Rivers System, and is described by that organization as the "purest, cleanest stretch of stream this size in Texas" (NPS, 1995). Often canoeable, portions of this segment have numerous rapids, including geologic oddities such as "pin-ball rapids," and the banks are lined with oaks and pecans (NPS, 1995). (Photo #3 & Exhibit 1)

Threatened or Endangered Species/Unique Communities - This portion of the Nueces River is a significant segment due to the presence of one state threatened species, and several species of concern (SOC) as listed by Texas Parks and Wildlife Department (TPWD). The state threatened blue sucker (*Cycleptus elongatus*) may potentially occur within Uvalde County. In addition, the Edwards Plateau shiner (*Cyprinella lepida*), Nueces roundnose minnow (*Dionda serena*), Nueces River shiner (*Cyprinella* sp. 2), and Guadalupe bass (*Micropterus treculi*), all SOC, may also occur within this segment. TPWD reports that the numerous springs along the Nueces River and its tributaries provide habitat for an undescribed species of salamander that belongs to the *Eurycea troglodytes* complex (TPWD, 2009). (Photo #4 & Exhibit 1).



Photo #1 – Nueces River



Photo #2 – Nueces River



Photo #3 – Nueces River



Photo #4 – Nueces River

4.2 Frio River

The Frio River begins in northeast Real County and flows south and southeast for about 250 miles traversing Uvalde, Medina, Frio, La Salle, McMullen, and Live Oak counties. The Frio River empties into the Nueces River, ultimately contributing freshwater inflow to Nueces and Corpus Christi Bays. Springs that form the Frio River issue from a 3,000-acre ranch north of Leakey, while numerous spring-fed tributaries contribute to its flow (Brune, 1981). The river crosses the Edwards Aquifer recharge zone in central Uvalde County where it disappears into alluvial cobbles and gravels (Brune 1981).

The river passes through limestone formed canyons lined with mesquite (*Prosopis glandulosa*), Texas red bud (*Cercis canadensis*), Ashe juniper (*Juniperus ashei*), lacey oak (*Quercus laceyi*), Texas madrone (*Arbutus xalapensis*), and cedar elm (*Ulmus crassifolia*). River banks are bounded by numerous species including bald cypress (*Taxodium distichum*), pecan (*Carya illinoensis*), sycamore (*Platanus occidentalis*), willow (*Salix nigra*), and Spanish oak (*Quercus buckleyi*) (Belisle, 1974). Considered to be one of top 10 rivers in the state, it is a very popular recreational river for canoeing, tubing, fishing, and wildlife viewing, with the majority of its recreational use occurring around Garner State Park (NPS, 1995). Many shallow rapids exist in the narrow upper section of the river; however water levels generally support recreational activities throughout much of its course (Belisle, 1974).

This segment is important to TPWD stocking experiments involving Guadalupe bass (*Micropterus treculi*) as it is downstream of areas where pure strain Guadalupe bass were stocked in large numbers in an attempt to purify existing hybrid populations (TPWD, 2005).

The aquatic and riparian habitats associated with this segment support an exceptionally diverse assemblage of invertebrates, fish, birds, and plants characteristic of the Edwards Plateau. The riparian woodlands also provide important nesting, migration, and wintering habitat for a variety of birds.

The recommended segment of the Frio River includes that portion of the river from the northern boundary of Region L in Uvalde County downstream to USGS gauge #08195000 at Concan, a distance of approximately 15 miles (within TCEQ classified stream segment 2113) (Exhibit 2).

The unique ecological value of this segment of the Frio River is based upon the following criteria:

Biological Function - This segment is included in the National Park Service Nationwide Rivers Inventory for outstandingly remarkable wildlife value (NPS, 1995). It has also been recommended by the National Park Service for inclusion in the proposed Texas Natural Rivers System (NPS, 1995). (Photo #5 & Exhibit 2)

Hydrologic Function - Numerous springs located along the Frio River provide a valuable hydrologic function relating to the discharge of the Edwards-Trinity (Plateau) Aquifer, and flow within the river provides recharge as it crosses the outcrop portion of the Edwards Balcones Fault Zone Aquifer (Brune, 1981). This recommended segment of the Frio River is located over the Edwards Aquifer Contributing Zone. The Contributing Zone is sometimes called the drainage area or the catchment area. Within this area, water falls on the land surface then runs off into streams or infiltrates into aquifers found under the Edwards Plateau. This runoff from the land surface, in addition to water table springs, feed streams that flow over relatively impermeable limestones until they reach the Edwards Aquifer Recharge zone (Eckhardt, 2009). Near the Uvalde/Real County line, Cold Springs discharge from the Glen Rose limestone on the east side of the Frio River. An Indian village once was located here as evidenced by middens, projectile points, and metates (Brune, 1981). (Photo #6 & Exhibit 2)

Riparian Conservation Area- This recommended segment includes the 1,419.8-acre Garner State Park (TPWD, 2005). TPWD biologists have identified approximately forty-nine species of herpetofauna, forty-four species of mammals, and over 200 species of birds with ranges that include the park (Handbook of Texas Online). The park has an abundance of White-tailed and Axis deer, Rio Grande Turkey, Mourning Dove, Eastern Bluebirds, Golden-cheeked Warblers, Black Rocks Squirrels, Fox Squirrels, Raccoons, and many other animal species (TPWD, 2005). Widespread riparian habitat found within this area provide important habitat for numerous wildlife species. (Photo #7 & Exhibit 2)

High Water Quality/Exceptional or High Aquatic Life Use/High Aesthetic Value - This segment of the Frio River is listed by the Texas Commission on Environmental Quality as having exceptional aquatic life use (TCEQ, 2000). An exceptional aquatic life use classification indicates attributes including outstanding natural habitat variability, exceptional or unusual species assemblage, abundant sensitive species, exceptionally high diversity, exceptionally high species richness, and/or balanced trophic structure. This segment is included in the National Park Service Nationwide Rivers Inventory for outstandingly remarkable scenery and recreation values (NPS, 1995). (Photo #8 & Exhibit 2)

Threatened or Endangered Species/Unique Communities - This river segment is important due to the possible presence of one state threatened species, and several SOC as listed by TPWD. The state threatened blue sucker (*Cycleptus elongatus*) may potentially occur within Uvalde County. In addition, the Edwards Plateau shiner (*Cyprinella lepida*), Nueces roundnose minnow (*Dionda serena*), Nueces River shiner (*Cyprinella* sp. 2), and Guadalupe bass (*Micropterus treculi*), all SOC, may also occur within this segment. There also exist numerous springs along the Frio River and its tributaries which TPWD reports provide habitat for an undescribed species of salamander that belongs to the *Eurycea troglodytes* complex (TPWD, 2009). (Photo #9 & Exhibit 2).



Guadalupe Bass
Gary Garrett (TPWD)



Plateau shiner
Chad Norris (TPWD)



Nueces roundnose minnow
Chad Norris (TPWD)



Photo #5 – Frio River



Photo #6 – Frio River (Cold Springs)



Photo #7 – Frio River (Garner State Park)



Photo #8 – Frio River



Photo #9 – Frio River

4.3 Sabinal River

The spring-fed Sabinal River begins near Vanderpool in western Bandera County and flows south for approximately 58 miles into Uvalde County where it merges with the Frio River in the southeastern part of the county. The upper portion of the Sabinal River rises from the Edwards Plateau and flows through Hill Country canyons with walls up to 300 feet tall before entering the South Texas Brush Country (Belisle, 1974). Large bald cypress (*Taxodium distichum*) are interspersed along the banks of the river, along with green ash (*Fraxinus pennsylvanica*), black willow (*Salix nigra*), pecan (*Carya illinoensis*), and sycamore (*Platanus occidentalis*) among other trees. The aquatic and riparian habitats associated with this segment support a diverse assemblage of invertebrates, fish, birds, and plants characteristic of the Edwards Plateau.

The Sabinal River crosses both the Contributing Zone and Recharge Zone of the Edwards Aquifer in northeastern Uvalde County. Like the Nueces River, the Frio River, and other streams to the northwest, the Sabinal River loses water when crossing the Balcones Fault Zone (Brune, 1981). Some of this lost water reappears in the Sabinal River at Sabinal Springs west of the city of Sabinal (Brune, 1981). The Sabinal River was included in the National Park Service Nationwide Rivers Inventory for outstandingly remarkable values in scenery, recreation, geology, wildlife, and other values (NPS, 1995).

This segment is important to TPWD stocking experiments involving Guadalupe bass (*Micropterus treculi*) as it is downstream of areas where pure strain Guadalupe bass were stocked in large numbers in an attempt to purify existing hybrid populations (TPWD, 2005).

The segment of the Sabinal River recommended for designation as having unique ecological value includes that portion of the river from the northern boundary of Region L downstream to the State Highway 187 crossing located approximately 2.7 miles upstream of USGS gauge #08198000 near Sabinal, a distance of approximately 12 miles (within TCEQ classified stream segment 2111) (Exhibit 3).

The unique ecological value of this segment of the Sabinal River is based upon the following criteria:

Biological Function - This segment is included in the National Park Service Nationwide Rivers Inventory for outstandingly remarkable wildlife values (NPS, 1995). It has also been recommended by the National Park Service for inclusion in the proposed Texas Natural Rivers System (NPS, 1995). (Photo #10 & Exhibit 3)

Hydrologic Function - Numerous springs located along the Sabinal River provide a valuable hydrologic function relating to the discharge of the Edwards-Trinity (Plateau) Aquifer, and flow within the river provides recharge as it crosses the outcrop portion of the Edwards Balcones Fault Zone Aquifer (Brune, 1981). This recommended segment of the Sabinal River is located over the Edwards Aquifer Contributing Zone. The Contributing Zone is sometimes called the drainage area or the catchment area. Within this area, water falls on the land surface then runs off into streams or infiltrates into aquifers found under the Edwards Plateau. This runoff from the land surface, in addition to water table springs, feed streams that flow over relatively impermeable limestones until they reach the Edwards Aquifer Recharge zone (Eckhardt, 2009). Ware Springs reportedly issue from Leona gravels in a small draw east of the Sabinal River just below Utopia (Brune, 1981). (Photo #11 & Exhibit 3)

High Water Quality/Exceptional or High Aquatic Life Use/High Aesthetic Value – This segment of the Sabinal River is classified in the high aquatic life use category by the Texas Commission on Environmental Quality as its attributes include highly diverse habitat, regionally expected species assemblage, presence of sensitive species, high diversity and species richness, and/or balanced to slightly imbalanced trophic structure (TCEQ, 2000). This segment of the Sabinal River is also included in the National Park Service Nationwide Rivers Inventory for outstandingly remarkable scenery and recreation values (NPS, 1995). (Photo #12 & Exhibit 3)

Threatened or Endangered Species/Unique Communities - This river segment is significant due to the possible presence of one state threatened species, and several SOC as listed by TPWD. The state threatened blue sucker (*Cycleptus elongatus*) may occur within Uvalde County. In addition, the Edwards Plateau shiner (*Cyprinella lepida*), Nueces roundnose minnow (*Dionda serena*), Nueces River shiner (*Cyprinella* sp. 2), and Guadalupe bass (*Micropterus treculi*), all SOC, may also occur within this segment. TPWD reports that springs along the Sabinal River and its tributaries provide habitat for an undescribed species of salamander that belongs to the *Eurycea troglodytes* complex (TPWD, 2009). (Photo #13 & Exhibit 3).



Photo #10 – Sabinal River



Photo #11 – Sabinal River



Photo #12 – Sabinal River



Photo #13 – Sabinal River

4.4 San Marcos River

The San Marcos River is formed by several major springs in the City of San Marcos and flows for approximately 80 miles before joining the Guadalupe River southwest of Gonzales. San Marcos Springs is the second largest spring system in Texas and has historically exhibited the greatest dependability and stability of any spring system in the southwestern United States (Brune, 1981) (USFWS, 1996). The San Marcos River is rated as the number one recreational river in the state, and the number two scenic river (NPS, 1995). In addition, a segment of the river was previously recommended as a Scenic Waterway (NPS, 1995). This area is heavily used by canoeists, kayakers, and tubers (NPS, 1995).

An estimated 200 springs issue from three large fissures and numerous smaller openings in the bottom of Spring Lake located at the head of the San Marcos River (Brune, 1981). The springs receive local recharge where the Blanco River, Guadalupe River, Sink Creek, Purgatory Creek, York Creek, and Alligator Creek cross the Balcones Fault Zone, but the majority of flow comes from the Edwards Aquifer to the west-southwest (Brune, 1981).

The Upper San Marcos River contains many shallow riffles with gravel and gravel/sand substrate that alternate with deep pools containing silt substrates. Like the Comal River system, the upper San Marcos River has one of the greatest known diversities of aquatic organisms in the southwestern United States (USFWS, 1996). The unique habitats and relatively constant thermal environment provided by these spring systems support many endemic species. It is the only known location of several species, such as the San Marcos salamander (*Eurycea nana*) and Texas wild rice (*Zizania texana*) (USFWS, 1996).

The segment of the San Marcos River recommended for designation as having unique ecological value includes that portion of the river extending from IH 35 up to a point 0.4 miles upstream of Loop 82 in San Marcos, a distance of approximately two miles (part of TCEQ classified stream segment 1814) (Exhibit 4).

The unique ecological value of this segment of the San Marcos River is based upon the following criteria:

Biological Function - This segment of the San Marcos River contains significant overall habitat value based on the degree of biodiversity, age, and uniqueness observed in the aquatic habitat (USFWS, 1996). (Photo # 14 & Exhibit 4)

Hydrologic Function - This recommended segment provides valuable hydrologic functions relating to groundwater discharge of the Edwards Aquifer (Brune, 1981). In terms of average annual discharge, San Marcos Springs are the second largest in Texas. (Photo #15 & Exhibit 4)

Riparian Conservation Area - This recommended segment includes several city and Texas State University parks. (Photo #16 & Exhibit 4)

High Water Quality/Exceptional or High Aquatic Life Use/High Aesthetic Value - Information provided by the Texas Commission on Environmental Quality, classifies this segment as having exceptional aquatic life use attributes (TCEQ, 2000). An exceptional aquatic life use classification indicates attributes including outstanding natural habitat variability, exceptional or unusual species assemblage, abundant sensitive species, exceptionally high diversity, exceptionally high species richness, and/or balanced trophic structure. (Photo #17 & Exhibit 4)

Threatened or Endangered Species/Unique Communities - This segment of the San Marcos river is unique due to presence of three species which are listed as both federal and state endangered, the fountain darter (*Etheostoma fonticola*), Texas blind salamander (*Eurycea rathbuni*), and Texas wild rice (*Zizania texana*) (USFWS, 1996). Two additional species are also listed as present within this area, the San Marcos salamander (*Eurycea nana*) which is federal and state listed as threatened, and the American eel (*Anguilla rostrata*) which is considered by TPWD as a SOC (USFWS, 1996). Recently, the Comal Springs riffle beetle (*Heterelmis comalensis*), a species federally listed as endangered and a state SOC, which was once thought to only inhabit Comal Springs, was collected from spring orifices on the banks of Spring Lake at the head of the San Marcos River. (Photo #18 & Exhibit 4)



Photo #14 – San Marcos River



Photo #15 – San Marcos River (Spring Lake)



Photo #16 – San Marcos River (Wildlife Habitat Park)



Photo #17 – San Marcos River



Photo #18 – San Marcos River

4.5 Comal River

The Comal River is formed by the largest spring system in Texas, located about one mile northwest of New Braunfels, and flows southeast into the Guadalupe River (Brune, 1981). It is the shortest river in Texas, at only two and one half miles, and the shortest river in the U.S. carrying an equivalent amount of water (Belisle, 1974). In addition to providing municipal water supply, the Comal River supports a regional recreation and tourism industry and provides critical habitat for four federally endangered species.

Spring waters that flow up from the Edwards Aquifer create a thermally constant environment that supports one of the greatest known diversities of organisms of any aquatic ecosystem in the southwestern United States (USFWS, 1996). Because many of the plants and animals within this community depend upon the springs, most of this flora and fauna could disappear if the springs were to fail.

The Comal River, as recommended for designation as having unique ecological value, extends from the confluence with the Guadalupe River upstream to Klingemann Street in New

Braunfels, a distance of approximately three miles (TCEQ classified stream segment 1811) (Exhibit 5).

The unique ecological value of the Comal River is based upon the following criteria:

Biological Function - The Comal River displays significant overall habitat value in both quantity and quality considering the degree of biodiversity and uniqueness observed in the aquatic habitat (USFWS, 1996). (Photo #19 & Exhibit 5)

Hydrologic Function - The Comal River provides valuable hydrologic function relating to groundwater discharge of the Edwards Aquifer, as it is the largest spring system in the state (Brune, 1981). (Photo # 20 & Exhibit 5)

Riparian Conservation Area - Landa Park and Prince Solms Park, popular recreation areas, are adjacent to the Comal River. (Photo # 21 & Exhibit 5)

High Water Quality/Exceptional or High Aquatic Life Use/High Aesthetic Value - This segment includes the presence of unique habitats dependent on or associated with high water quality (USFWS, 1996). In addition, it is listed by the Texas Commission on Environmental Quality as having high aquatic life use attributes (TCEQ, 2000). High aquatic life use attributes include highly diverse habitat, regionally expected species assemblage, presence of sensitive species, high diversity and species richness, and/or balanced to slightly imbalanced trophic structure. (Photo #22 & Exhibit 5)

Threatened or Endangered Species/Unique Communities – The Comal River provides habitat for eight species with a federal or state listing as endangered, threatened, or a SOC. The fountain darter (*Etheostoma fonticola*) and Peck's Cave amphipod (*Stygobromus peckii*) are both species which are federal and state listed as endangered. Two species, the Comal Springs riffle beetle (*Heterelmis comalensis*) and Comal Springs dryopid beetle (*Stygoparnus comalensis*) are federally listed as endangered and considered SOC by the TPWD. Three species, the Comal Springs diving beetle (*Comalodessus stygius*), Comal Springs salamander (*Eurycea* sp. 8), and Edwards Aquifer diving beetle (*Haideoporus texanus*) are considered SOC by TPWD (USFWS, 1996). (Photo #23 & Exhibit 5)



Photo #19 – Comal River (Spring Run #1)



Photo #20 - Comal River (Comal Springs)



Photo #21 – Comal River (Landa Lake)



Photo #22 – Comal River



Photo #23 – Comal River (Spring Run #2)

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Exhibits

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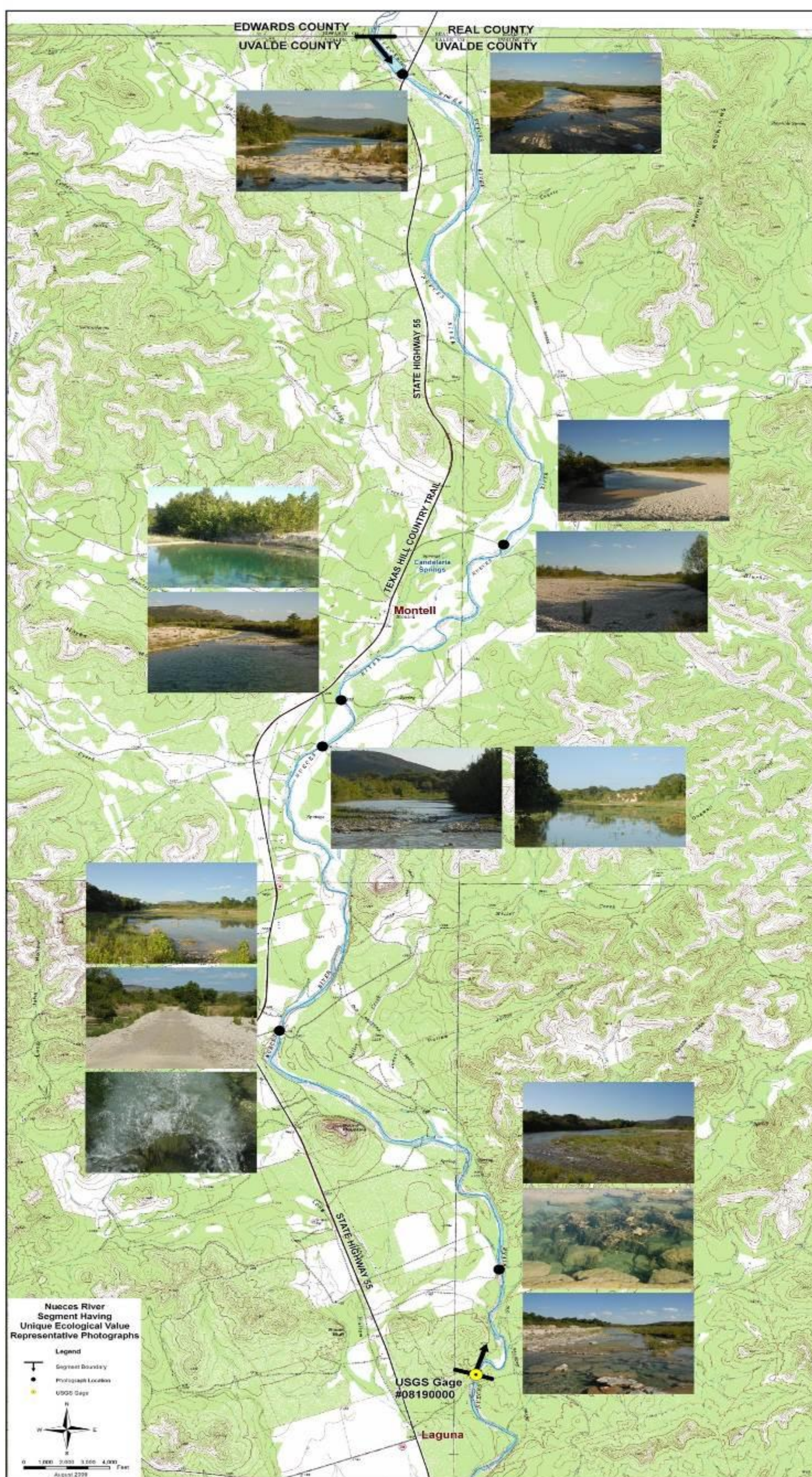


Exhibit 1

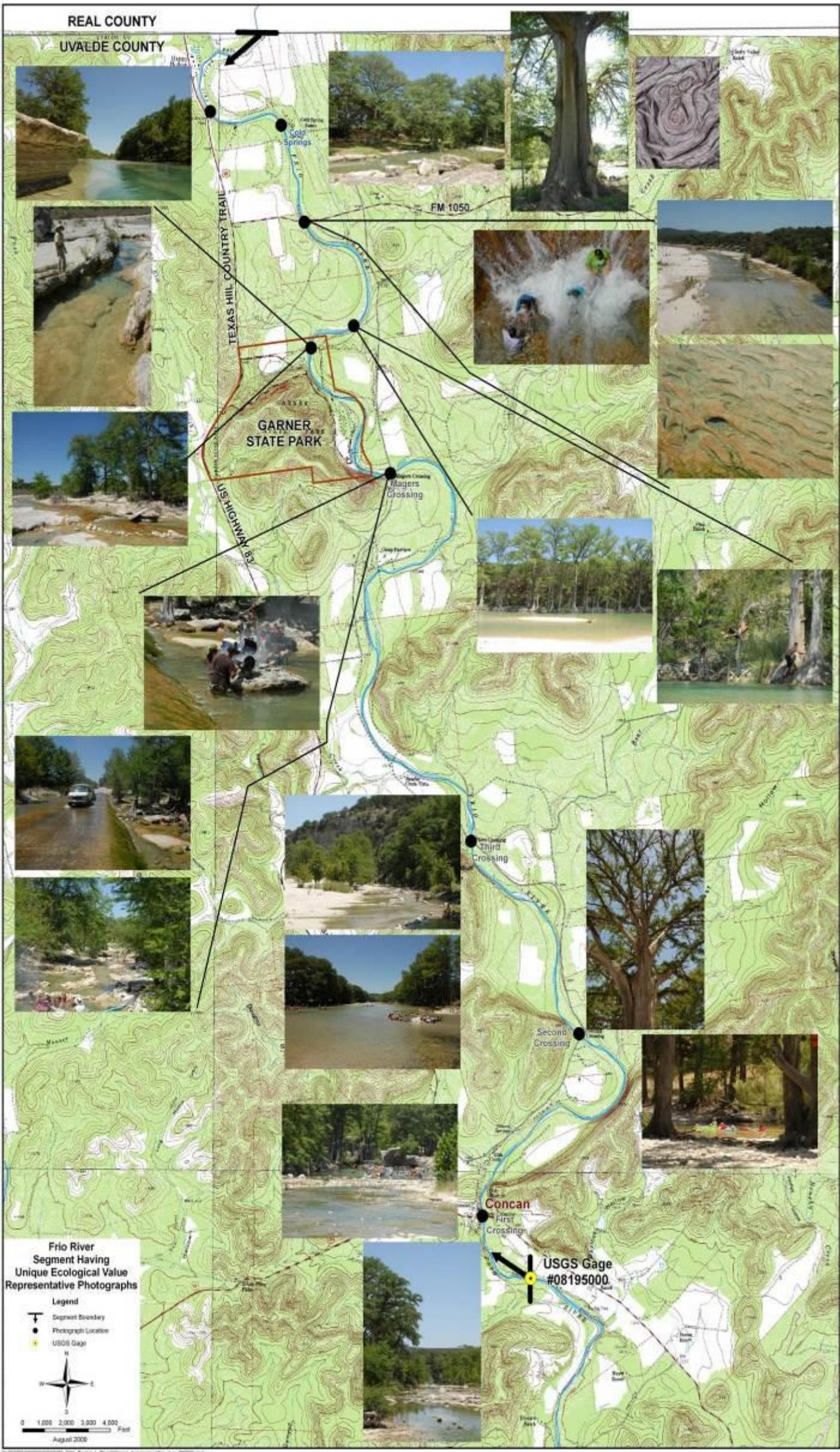


Exhibit 2

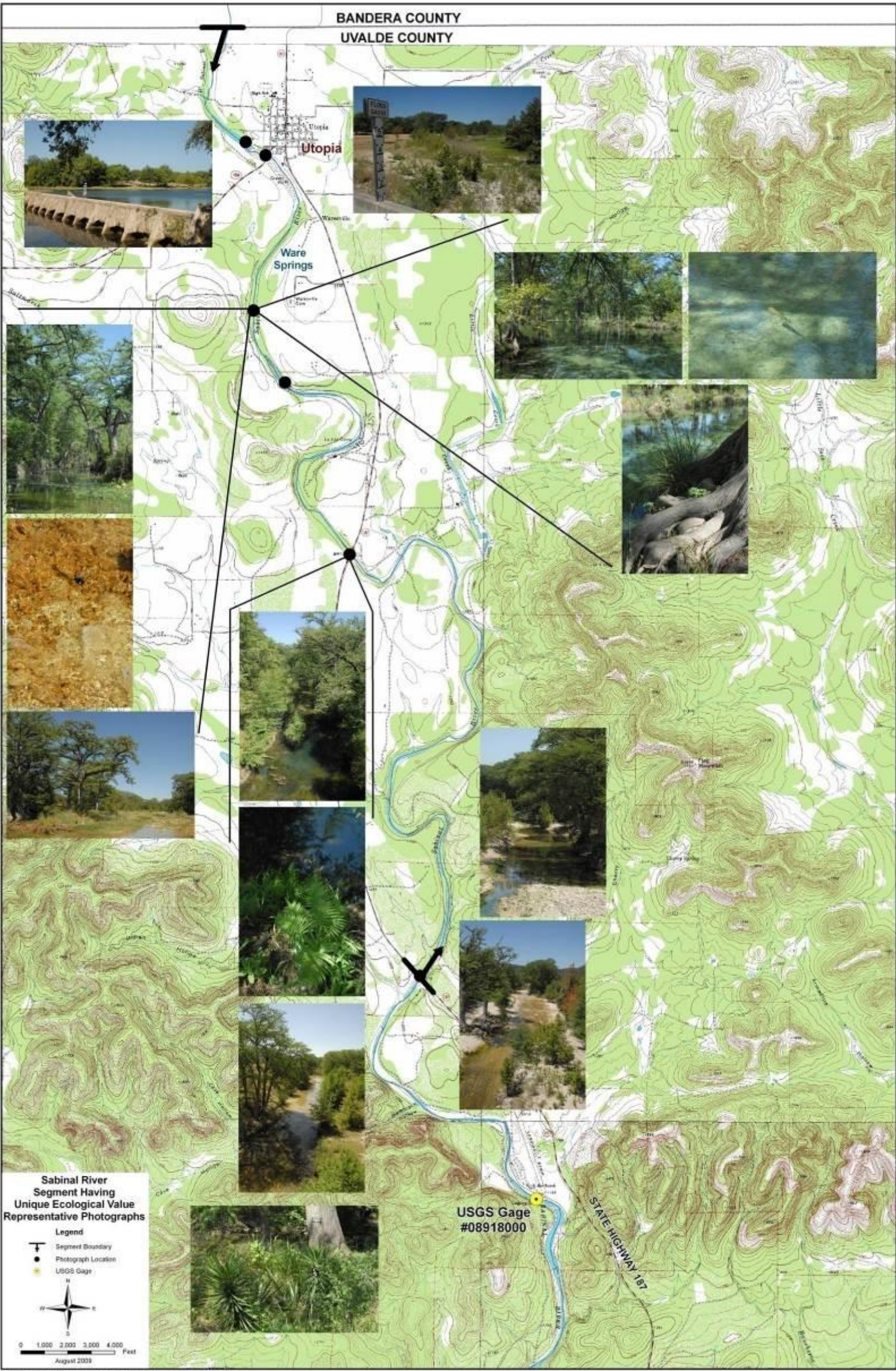


Exhibit 3

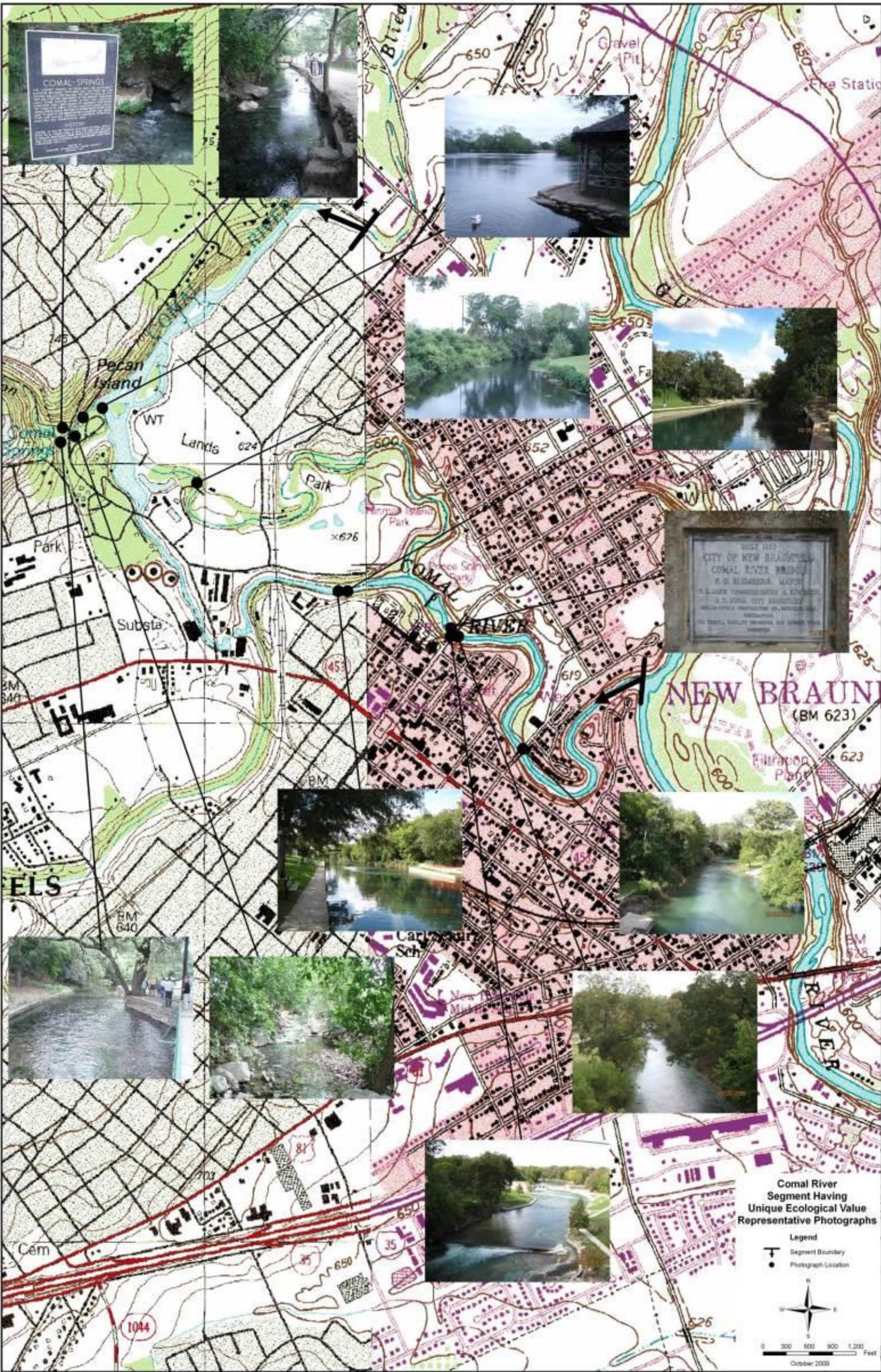


Exhibit 5



Life's better outside.®

Commissioners

Dan Allen Hughes, Jr.
Chairman
Beeville

Ralph H. Duggins
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Fort Worth

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Austin

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Austin

James H. Lee
Houston

Margaret Martin
Boerne

S. Reed Morlan
Houston

Dick Scott
Wimberley

Lee M. Bass
Chairman-Emeritus
Fort Worth

Carter P. Smith
Executive Director

January 23, 2015

Con Mims, Executive Director
Nueces River Authority
P.O. Box 349
Uvalde, Texas 78802-0349

Dear Mr. Mims,

Thank you for forwarding the South Central Texas Regional Water Planning Group's consensus nomination package for stream segments having ecological value in the planning area. As per the Texas Administrative Code (TAC), TPWD staff has reviewed the package and find that it meets the requirements set out in TAC Chapter 357.43. TPWD appreciates the opportunity to review the information provided recommending designation by the Legislature as ecologically unique the five stream segments located on the Nueces, Frio, Sabinal, Comal and San Marcos Rivers. As you point out these five segments were also recommended for designation as ecologically unique by the Legislature in the 2011 Region L and 2012 State Water Plans. These segments are also included in TPWD's list of ecologically significant streams segments.

Each of these segments meet four or more of the five criteria necessary to qualify as an ecologically unique stream segment: 1) biological function, 2) hydrologic function, 3) riparian conservation area, 4) high water quality/exceptional or high aquatic life use/high aesthetic value and, 5) presence of threatened or endangered species or unique communities. The recommendation package also includes required descriptions, documentation and citations to support the selection of these segments.

Please do not hesitate to contact me if you have any questions. I can be reached at 512/389-7015 (office), 512/699-1770 (cell), or cindy.loeffler@tpwd.texas.gov.

Sincerely,

Cindy Loeffler, P. E., Chief
Water Resources Branch

4200 SMITH SCHOOL ROAD
AUSTIN, TEXAS 78744-3291
512.389.4800
www.tpwd.texas.gov

To manage and conserve the natural and cultural resources of Texas and to provide hunting, fishing and outdoor recreation opportunities for the use and enjoyment of present and future generations.

Exhibit 6



Appendix I

Drought Contingency Plan Information

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Appendix I-1 Common Drought Response Measures

| Entity Name | DCP Date | Stage Number | Triggers | | | | | | | | | | Responses | | | | | | | | | | Water Supplies | |
|----------------------------------|----------|--------------|----------|-----------------------|-----------------------|-------------------|--------|-----------------|--------------|------------------------|----------------------------|-------|-------------------------------|--------------------------------|---------------------|---------------------|---|----------------|------------------------------|---------------------------|------------------|--------|----------------|----|
| | | | WWP | Demand/Capacity Based | Failure/Contamination | Groundwater Level | Season | Reservoir Level | Supply Based | Well Pumping Time/Flow | Storage Tank Recovery Time | Other | Assessment and Identification | Water Rate Change or Surcharge | Irrigation Schedule | Mandatory Reduction | Notification of Public Agencies or Specific Users | Prohibited Use | Discontinue Water Diversions | Potential Suspend Service | Water Allocation | Others | SW | GW |
| Aqua WSC | 2015 | 1 | | X | | | | | | X | | | | | X | | | X | | X | | X | | X |
| | | 2 | | X | | | | | | X | | | | | X | | | X | | X | | | | |
| | | 3 | | X | | | | | | X | | | | | X | | | X | | X | | | | |
| | | 4 | | X | | | | | | X | | | | | | | | X | | X | | | | |
| Canyon Lake WSC | 2013 | 1 | | X | | | | X | X | | | X | | | X | | | | | | | X | | X |
| | | 2 | | X | | | | X | | | X | | | | X | | | X | | | | | X | X |
| | | 3 | | X | X | | | X | | | X | X | | | X | X | X | X | | | | | | |
| Canyon Regional Water Authority | 2014 | 1 | X | | | | | X | | | | | | | | | | | | | | | | X |
| | | 2 | X | | | | | X | | | | | | | | | | | | | | | | X |
| | | 3 | X | | | | | X | | | | | | | | | | | | | | | | X |
| | | 4 | X | | X | | | | | | | X | | | | | | | | | | | | X |
| City of Converse | 2013 | 1 | X | | | X | | | | | | | | X | X | | | X | | | | X | | X |
| | | 2 | X | | | X | | | | | | | | X | X | | | X | | | | X | | X |
| | | 3 | X | | | X | | | | | | | | X | X | | | X | | | | X | | X |
| | | 4 | X | | | X | | | | | | | | X | X | | | X | | | | X | | X |
| | | 5 | X | | | X | | | | | | | | X | X | | | X | | | | X | | X |
| Crystal Clear SUD | 2014 | 1 | X | X | X | | | | | | | | | | X | | | | | X | | | | X |
| | | 2 | X | X | X | | | | | | | | | | X | | | X | | X | | | | X |
| | | 3 | X | X | X | | | | | | | | | | X | | | X | | X | | | | X |
| | | 4 | X | X | X | | | | | | | | | | | | | X | | X | | | | X |
| | | 5 | X | X | X | | | | | | | | | | | | | X | | X | | | | X |
| City of Kyle | 2014 | 1 | | | | | X | | | | | | | | X | | | | | | | | | X |
| | | 2 | | | | | | | | | | X | | | X | | | X | | | | | X | X |
| | | 3 | | | | | | | | | | X | | | X | | | X | | | | | | X |
| Guadalupe Blanco River Authority | 2014 | 1 | | X | | | | X | | | | X | | | X | | X | X | | | | X | | X |
| | | 2 | | X | | | | X | | | | X | | | X | | X | X | X | | | | | X |
| | | 3 | | X | | | | X | | | | X | | | X | | X | X | X | | | | | X |
| | | 4 | | X | X | | | | | | | X | X | | X | | X | X | X | | | | | X |
| City of Marion | 2014 | 1 | | | | | | X | | X | | | | | X | | | | | | | | | X |
| | | 2 | | | | | | X | | X | | | | | X | | X | X | | | | | | X |
| | | 3 | | | | | | X | | X | | | | | X | | X | X | | | | | | X |
| | | 4 | | X | X | | | X | | X | | | | | X | | X | X | | | | X | | X |
| McCoy WSC | 2014 | 1 | | X | | | | | | | X | | | | X | | | | | | | | | X |
| | | 2 | | X | | | | | | | X | | | | X | | | X | | | | | | X |
| | | 3 | X | X | X | | | | | | | X | | | X | | | X | | | | | | X |
| City of San Marcos | 2014 | 1 | | | | X | | | | X | | | | | X | | | X | | X | | | | X |
| | | 2 | | | | X | | | | X | | | | | X | | | X | | X | | | | X |
| | | 3 | | | | | | | | | | | | | X | | | X | | X | | | | X |
| | | 4 | | | | | | | | | | | | | X | | | X | | X | | | | X |
| SAWS | 2014 | Emergency | | | | | | | | | | X | | | | | | | | | | X | | X |
| | | 1 | | | | X | | | | | | | | | X | | | X | | | | X | | X |
| | | 2 | | | | X | | | | | | | | | X | | | X | | | | X | | X |
| | | 3 | | | | X | | | | | | | | | X | | | X | | | | X | | X |
| SAWS | 2014 | 4 | | X | | | | | | | | | | X | X | | | X | | | | X | | X |

Appendix I-1 Common Drought Response Measures Concluded

| Entity Name | DCP Date | Stage Number | Triggers | | | | | | | | | | Responses | | | | | | | | | | Water Supplies | |
|----------------------------|----------|--------------|----------|-----------------------|-----------------------|-------------------|--------|-----------------|--------------|------------------------|----------------------------|-------|-------------------------------|--------------------------------|---------------------|---------------------|---|----------------|------------------------------|---------------------------|------------------|--------|----------------|----|
| | | | WWP | Demand/Capacity Based | Failure/Contamination | Groundwater Level | Season | Reservoir Level | Supply Based | Well Pumping Time/Flow | Storage Tank Recovery Time | Other | Assessment and Identification | Water Rate Change or Surcharge | Irrigation Schedule | Mandatory Reduction | Notification of Public Agencies or Specific Users | Prohibited Use | Discontinue Water Diversions | Potential Suspend Service | Water Allocation | Others | SW | GW |
| City of Schertz | 2014 | 1 | | | | | | | | | | X | | | X | | X | X | | | | | | |
| | | 2 | | | | | | | | | | X | | | X | | | X | | | | | | X |
| | | 3 | | | | | | | | | | X | | | X | | | X | | | | | | |
| | | 4 | | | | | | | | | | X | | | | | | X | | | | | | |
| S. S. WSC | 2014 | 1 | | X | | | | | | | | | | | X | | | | | | | | | |
| | | 2 | | X | | | | X | | | | | | | X | | | X | | | | | X | |
| | | 3 | | X | | | | X | | | | | | | X | | | X | | | | | | |
| | | 4 | | X | | | | X | | | | | | | X | | | X | | | | | | |
| | | 5 | | | X | | | | | | | | | | | | | X | | X | | X | | |
| The Oaks WSC | 2012 | 1 | | | | X | | | | | | X | | | X | | | X | | | | | | |
| | | 2 | | | | X | | | | | | X | | | X | | | X | | | | | | |
| | | 3 | | | | X | | | | | | X | | | X | | | X | | | | | | X |
| | | 4 | | | | X | | | | | | X | | X | X | | | X | | | | | | |
| | | Emergency | | | X | | | | | | | X | | X | | | | X | | | | | | |
| Universal City | 2014 | 1 | | | | X | | | | | | | | | X | | X | X | | | | | | |
| | | 2 | | | | X | | | | | | | | | X | | | X | | | | | | X |
| | | 3 | | | | X | | | | | | | | | X | | | X | | | | | | |
| | | 4 | | | X | X | | | | | | | | | X | | | X | | | | | | |
| City of Victoria | 2014 | 1 | | | | | | | | | | X | | | X | | X | X | | | | X | | |
| | | 2 | | | | | | | | | | X | | | X | | | X | | | | | | |
| | | 3 | | | | | | X | | | | | | | X | | | X | | | | | X | X |
| | | 4 | | | | | | X | | | | | | | X | | X | X | | | | | | |
| | | 5 | | | X | X | | | | | | X | | | | | | X | | | X | | | |
| Victoria County WCID No. 1 | 2014 | 1 | | | | | X | | | | | | | | X | | X | X | | | | | | |
| | | 2 | | | | | | | | | | X | | | X | | X | X | | | | | | |
| | | 3 | | | X | | | | | | | | | | X | | | X | | | | | | |
| | | 4 | | | X | | | | | | | | | | X | | | X | | | | X | | |
| | | Emergency | | X | | | | | | | | | | | | | | X | | | | | | |
| | | Allocation | | | X | | | | | | | | | X | | | | X | | | X | | | |

I-2 TCEQ Drought Contingency Plan Model for Wholesale Water Providers



Drought Contingency Plan for a Wholesale Public Water Supplier

Texas Commission on Environmental Quality

Instructions: The following form is a model of a drought contingency plan for a wholesale public water supplier. Not all items may apply to your system's situation. This form is supplied for your convenience, but you are not required to use this form to submit your plan to the TCEQ. Submit completed plans to: Water Availability Division MC 160, TCEQ, P.O. Box 13087, Austin TX 78711-3087. If you have any questions on how to fill out this form, please contact the Resource Protection Team at 512/239-4691.

(Name of Utility)

(Address, City, Zip Code)

(CCN#)

(PWS #s)

(Date)

Section I: Declaration of Policy, Purpose, and Intent

In order to conserve the available water supply and/or to protect the integrity of water supply facilities, with particular regard for domestic water use, sanitation, and fire protection, and to protect and preserve public health, welfare, and safety and minimize the adverse impacts of water supply shortage or other water supply emergency conditions, the _____ (name of your water supplier) adopts the following Drought Contingency Plan (the Plan).

Section II: Public Involvement

Opportunity for the public and wholesale water customers to provide input into the preparation of the Plan was provided by _____ (name of your water supplier) by means of _____ (describe methods used to inform the public and wholesale customers about the preparation of the plan and opportunities for input; for example, scheduling and proving public notice of a public meeting to accept input on the Plan).

Section III: Wholesale Water Customer Education

The _____ (name of your water supplier) will periodically provide wholesale water customers with information about the Plan, including information about the conditions under which each stage of the Plan is to be initiated or terminated and the drought response measures to be implemented in each stage. This information will be provided by means of _____ (e.g., describe methods to be used to provide customers with information about the Plan; for example, providing a copy of the Plan or periodically including information about the Plan with invoices for water sales).

Section IV: Coordination with Regional Water Planning Groups

The water service area of the _____ (name of your water supplier) is located within the _____ (name of regional water planning area or areas) and the _____ (name of your water supplier) has provided a copy of the Plan to the _____ (name of your regional water planning group or groups).

Section V: Authorization

The _____ (designated official; for example, the general manager or executive director), or his/her designee, is hereby authorized and directed to implement the applicable provisions of this Plan upon determination that such implementation is necessary to protect public health, safety, and welfare. The _____, or his/her designee, shall have the authority to initiate or terminate drought or other water supply emergency response measures as described in this Plan.

Section VI: Application

The provisions of this Plan shall apply to all customers utilizing water provided by the _____ (name of your water supplier). The terms "person" and "customer" as used in the Plan include individuals, corporations, partnerships, associations, and all other legal entities.



Section VII: Criteria for Initiation and Termination of Drought Response Stages

The _____ (designated official), or his/her designee, shall monitor water supply and/or demand conditions on a (e.g., weekly, monthly) basis and shall determine when conditions warrant initiation or termination of each stage of the Plan. Customer notification of the initiation or termination of drought response stages will be made by mail or telephone. The news media will also be informed.

The triggering criteria described below are based on:

_____ (provide a brief description of the rationale for the triggering criteria; for example, triggering criteria are based on a statistical analysis of the vulnerability of the water source under drought of record conditions).

Stage 1 Triggers -- MILD Water Shortage Conditions

Requirements for initiation – The _____ (name of your water supplier) will recognize that a mild water shortage condition exists when _____ (describe triggering criteria, see examples below).

Below are examples of the types of triggering criteria that might be used in a wholesale water supplier's drought contingency plan. One or a combination of such criteria may be defined for each drought response stage:

Example 1: Water in storage in the _____ (name of reservoir) is equal to or less than _____ (acre-feet and/or percentage of storage capacity).

Example 2: When the combined storage in the _____ (name of reservoirs) is equal to or less than _____ (acre-feet and/or percentage of storage capacity).

Example 3: Flows as measured by the U.S. Geological Survey gage on the _____ (name of river) near _____, Texas reaches _____ cubic feet per second (cfs).

Example 4: When total daily water demand equals or exceeds _____ million gallons for _____ consecutive days or _____ million gallons on a single day.

Example 5: When total daily water demand equals or exceeds _____ percent of the safe operating capacity of _____ million gallons per day for _____ consecutive days or _____ percent on a single day.

Requirements for termination - Stage 1 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of _____ (e.g., 30) consecutive days. The _____ (name of water supplier) will notify its wholesale customers and the media of the termination of Stage 1.

Stage 2 Triggers -- MODERATE Water Shortage Conditions

Requirements for initiation – The _____ (name of your water supplier) will recognize that a moderate water shortage condition exists when _____ (describe triggering criteria).

Requirements for termination - Stage 2 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of ____ (e.g., 30) consecutive days.

Upon termination of Stage 2, Stage 1 becomes operative. The _____ (name of your water supplier) will notify its wholesale customers and the media of the termination of Stage 2.

Stage 3 Triggers -- SEVERE Water Shortage Conditions

Requirements for initiation – The _____ (name of your water supplier) will recognize that a severe water shortage condition exists when _____ (*describe triggering criteria; see examples in Stage 1*).

Requirements for termination - Stage 3 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of ____ (e.g., 30) consecutive days. Upon termination of Stage 3, Stage 2 becomes operative. The _____ (name of your water supplier) will notify its wholesale customers and the media of the termination of Stage 3.

Stage 4 Triggers -- CRITICAL Water Shortage Conditions

Requirements for initiation - The _____ (name of your water supplier) will recognize that an emergency water shortage condition exists when _____ (*describe triggering criteria; see examples below*).

Example 1. *Major water line breaks, or pump or system failures occur, which cause unprecedented loss of capability to provide water service; or*

Example 2. *Natural or man-made contamination of the water supply source(s).*

Requirements for termination - Stage 4 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of ____ (e.g., 30) consecutive days. The _____ (name of your water supplier) will notify its wholesale customers and the media of the termination of Stage 4.

Section VIII: Drought Response Stages

The _____ (designated official), or his/her designee, shall monitor water supply and/or demand conditions and, in accordance with the triggering criteria set forth in Section VII, shall determine that mild, moderate, or severe water shortage conditions exist or that an emergency condition exists and shall implement the following actions:

Stage 1 Response -- MILD Water Shortage Conditions

Target: Achieve a voluntary ____ percent reduction in _____ (e.g., total water use, daily water demand, etc.).

Best Management Practices for Supply Management:



Describe additional measures, if any, to be implemented directly by _____ (designated official), or his/her designee(s), to manage limited water supplies and/or reduce water demand. Examples include modifying reservoir operations procedures, interconnection with another water system, and use of reclaimed water for nonpotable purposes.

Water Use Restrictions for Reducing Demand:

- (a) The _____ (designated official), or his/her designee(s), will contact wholesale water customers to discuss water supply and/or demand conditions and will request that wholesale water customers initiate voluntary measures to reduce water use (e.g., implement Stage 1 or appropriate stage of the customer's drought contingency plan).
- (b) The _____ (designated official), or his/her designee(s), will provide a weekly report to news media with information regarding current water supply and/or demand conditions, projected water supply and demand conditions if drought conditions persist, and consumer information on water conservation measures and practices.

Stage 2 Response -- MODERATE Water Shortage Conditions

Target: Achieve a ____ percent reduction in _____ (e.g., total water use, daily water demand, etc.).

Best Management Practices for Supply Management:

Describe additional measures, if any, to be implemented directly by _____ (designated official), or his/her designee(s), to manage limited water supplies and/or reduce water demand. Examples include modifying reservoir operations procedures, interconnection with another water system, and use of reclaimed water for non-potable purposes.

Water Use Restrictions for Reducing Demand:

- (a) The _____ (designated official), or his/her designee(s), will request wholesale water customers to initiate mandatory measures to reduce non-essential water use (e.g., implement Stage 2 or appropriate stage of the customer's drought contingency plan).
- (b) The _____ (designated official), or his/her designee(s), will initiate weekly contact with wholesale water customers to discuss water supply and/or demand conditions and the possibility of pro rata curtailment of water diversions and/or deliveries.
- (c) The _____ (designated official), or his/her designee(s), will further prepare for the implementation of pro rata curtailment of water diversions and/or deliveries by preparing a monthly water usage allocation baseline for each wholesale customer.
- (d) The _____ (designated official), or his/her designee(s), will provide a weekly report to news media with information regarding current water supply and/or demand conditions, projected water supply and demand conditions if drought conditions persist, and consumer information on water conservation measures and practices.

Stage 3 Response -- SEVERE Water Shortage Conditions

Target: Achieve a ____ percent reduction in _____ (e.g., total water use, daily water demand, etc.).

Best Management Practices for Supply Management:

Describe additional measures, if any, to be implemented directly by _____ (designated official), or his/her designee(s), to manage limited water supplies and/or reduce water demand. Examples include modifying reservoir operations procedures, interconnection with another water system, and use of reclaimed water for non-potable purposes.

Water Use Restrictions for Reducing Demand:

(a) The _____ (designated official), or his/her designee(s), will contact wholesale water customers to discuss water supply and/or demand conditions and will request that wholesale water customers initiate additional mandatory measures to reduce non-essential water use (e.g., implement Stage 3 or appropriate stage of the customer's drought contingency plan).

(b) The _____ (designated official), or his/her designee(s), will initiate pro rata curtailment of water diversions and/or deliveries for each wholesale customer.

(c) The _____ (designated official), or his/her designee(s), will provide a weekly report to news media with information regarding current water supply and/or demand conditions, projected water supply and demand conditions if drought conditions persist, and consumer information on water conservation measures and practices.

Stage 4 Response -- EMERGENCY Water Shortage Conditions

Whenever emergency water shortage conditions exist as defined in Section VII of the Plan, the _____ (designated official) shall:

1. Assess the severity of the problem and identify the actions needed and time required to solve the problem.
2. Inform the utility director or other responsible official of each wholesale water customer by telephone or in person and suggest actions, as appropriate, to alleviate problems (e.g., notification of the public to reduce water use until service is restored).
3. If appropriate, notify city, county, and/or state emergency response officials for assistance.
4. Undertake necessary actions, including repairs and/or clean-up as needed.
5. Prepare a post-event assessment report on the incident and critique of emergency response procedures and actions.

Section IX: Pro Rata Water Allocation

In the event that the triggering criteria specified in Section VII of the Plan for Stage 3 – Severe Water Shortage Conditions have been met, the _____ (designated official) is hereby authorized initiate allocation of water supplies on a pro rata basis in accordance with Texas Water Code, §11.039.



Section X: Contract Provisions

The _____ (name of your water supplier) will include a provision in every wholesale water contract entered into or renewed after adoption of the plan, including contract extensions, that in case of a shortage of water resulting from drought, the water to be distributed shall be divided in accordance with Texas Water Code, §11.039.

Section XI: Enforcement

Example of surcharge:

During any period when either mandatory water use restrictions or pro rata allocation of available water supplies are in effect, wholesale customers shall pay the following surcharges on excess water diversions and/or deliveries:

_____ times the normal water charge per acre-foot for water diversions and/or deliveries in excess of the monthly allocation from ____ percent through ____ percent above the monthly allocation.

Examples of fines and/or discontinuation of service:

Mandatory water use restrictions or pro rata allocation of available water supplies may be imposed during drought stages and emergency water management actions. These water use restrictions will be enforced by warnings and penalties as follows:

- On the first violation, customers will be notified by written notice that they have violated the mandatory water use restriction.
- If the first violation has not been corrected after ten (10) days from the written notice, _____ (name of your water supplier) may assess a fine up to \$_____ per violation.
- _____ (name of your water supplier) may install a flow restricting device in the line to limit the amount of water which will pass through the meter in a 24-hour period. The utility may charge the customer for the actual cost of installing and removing the flow restricting device, not to exceed fifty dollars (\$50.00);
- _____ (name of your water supplier) maintains the right, at any violation or action level, to disconnect irrigation systems and/or suspend water services to a customer for public safety issues with reconnection fees and possible citations.
- Subsequent violations of the plan shall result in increased fines or upon the occurrence of _____ violations, after notice, the discontinuation of services. Services discontinued under this provision shall be restored only upon payment of a reconnection fee and any other costs incurred by the utility in discontinuing service.

Section XII: Variances

The _____ (designated official), or his/her designee, may, in writing, grant a temporary variance to the pro rata water allocation policies provided by this Plan if it is determined that failure to grant such variance would cause an emergency condition adversely affecting the public health, welfare, or safety and if one or more of the following conditions are met:

- (a) Compliance with this Plan cannot be technically accomplished during the duration of the water supply shortage or other condition for which the Plan is in effect.
- (b) Alternative methods can be implemented which will achieve the same level of reduction in water use.

Persons requesting an exemption from the provisions of this Plan shall file a petition for variance with the _____ (designated official) within 5 days after pro rata allocation has been invoked. All petitions for variances shall be reviewed by the _____ (governing body), and shall include the following:

- (a) Name and address of the petitioner(s).
- (b) Detailed statement with supporting data and information as to how the pro rata allocation of water under the policies and procedures established in the Plan adversely affects the petitioner or what damage or harm will occur to the petitioner or others if petitioner complies with this Ordinance.
- (c) Description of the relief requested.
- (d) Period of time for which the variance is sought.
- (e) Alternative measures the petitioner is taking or proposes to take to meet the intent of this Plan and the compliance date.
- (f) Other pertinent information.

Variances granted by the _____ (governing body) shall be subject to the following conditions, unless waived or modified by the _____ (governing body) or its designee:

- (a) Variances granted shall include a timetable for compliance.
- (b) Variances granted shall expire when the Plan is no longer in effect, unless the petitioner has failed to meet specified requirements.

No variance shall be retroactive or otherwise justify any violation of this Plan occurring prior to the issuance of the variance.

Section XIII: Severability

It is hereby declared to be the intention of the _____ (governing body of your water supplier) that the sections, paragraphs, sentences, clauses, and phrases of this Plan are severable and, if any phrase, clause, sentence, paragraph, or section of this Plan shall be declared unconstitutional by the valid judgment or decree of any court of competent jurisdiction, such unconstitutionality shall not affect any of the remaining phrases, clauses, sentences, paragraphs, and sections of this Plan, since the same would not have been enacted by the _____ (governing body of your water supplier) without the incorporation into this Plan of any such unconstitutional phrase, clause, sentence, paragraph, or section.

I-3 TCEQ Drought Contingency Plan Model for Retail Water Providers



Drought Contingency Plan for a Retail Public Water Supplier

Texas Commission on Environmental Quality

Instructions: The following form is a model of a drought contingency plan for a retail public water supplier. Not all items may apply to your system's situation. This form is supplied for your convenience, but you are not required to use this form to submit your plan to the TCEQ. Submit completed plans to: Water Supply Division MC 160, TCEQ, P.O. Box 13087, Austin TX 78711-3087.

(Name of Utility)

(Address, City, Zip Code)

(CCN#)

(PWS #s)

(Date)

Section I: Declaration of Policy, Purpose, and Intent

In order to conserve the available water supply and protect the integrity of water supply facilities, with particular regard for domestic water use, sanitation, and fire protection, and to protect and preserve public health, welfare, and safety and minimize the adverse impacts of water supply shortage or other water supply emergency conditions, the _____ (name of your water supplier) hereby adopts the following regulations and restrictions on the delivery and consumption of water through an ordinance/or resolution (see Appendix C for an example).

Water uses regulated or prohibited under this Drought Contingency Plan (the Plan) are considered to be non-essential and continuation of such uses during times of water shortage or other emergency water supply condition are deemed to constitute a waste of water which subjects the offender(s) to penalties as defined in Section XI of this Plan.

Section II: Public Involvement

Opportunity for the public to provide input into the preparation of the Plan was provided by the _____ (name of your water supplier) by means of _____ (describe methods used to inform the public about the preparation of the plan and provide opportunities for input; for example, scheduling and providing public notice of a public meeting to accept input on the Plan).

Section III: Public Education

The _____ (name of your water supplier) will periodically provide the public with information about the Plan, including information about the conditions under which each stage of the Plan is to be initiated or terminated and the drought response measures to be implemented in each stage. This information will be provided by means of _____ (describe methods to be used to provide information to the public about the Plan; for example, public events, press releases or utility bill inserts).

Section IV: Coordination with Regional Water Planning Groups

The service area of the _____ (name of your water supplier) is located within the _____ (name of regional water planning area or areas) and _____ (name of your water supplier) has provided a copy of this Plan to the _____ (name of your regional water planning group or groups).

Section V: Authorization

The _____ (designated official; for example, the mayor, city manager, utility director, general manager, etc.), or his/her designee is hereby authorized and directed to implement the applicable provisions of this Plan upon determination that such implementation is necessary to protect public health, safety, and welfare. The _____, (designated official) or his/her designee shall have the authority to initiate or terminate drought or other water supply emergency response measures as described in this Plan.

Section VI: Application

The provisions of this Plan shall apply to all persons, customers, and property utilizing water provided by the _____ (name of your water supplier). The terms person and customer as used in the Plan include individuals, corporations, partnerships, associations, and all other legal entities.

Section VII: Definitions

For the purposes of this Plan, the following definitions shall apply:

Aesthetic water use: water use for ornamental or decorative purposes such as fountains, reflecting pools, and water gardens.



Commercial and institutional water use: water use which is integral to the operations of commercial and non-profit establishments and governmental entities such as retail establishments, hotels and motels, restaurants, and office buildings.

Conservation: those practices, techniques, and technologies that reduce the consumption of water, reduce the loss or waste of water, improve the efficiency in the use of water or increase the recycling and reuse of water so that a supply is conserved and made available for future or alternative uses.

Customer: any person, company, or organization using water supplied by _____ (name of your water supplier).

Domestic water use: water use for personal needs or for household or sanitary purposes such as drinking, bathing, heating, cooking, sanitation, or for cleaning a residence, business, industry, or institution.

Even number address: street addresses, box numbers, or rural postal route numbers ending in 0, 2, 4, 6, or 8 and locations without addresses.

Industrial water use: the use of water in processes designed to convert materials of lower value into forms having greater usability and value.

Landscape irrigation use: water used for the irrigation and maintenance of landscaped areas, whether publicly or privately owned, including residential and commercial lawns, gardens, golf courses, parks, and rights-of-way and medians.

Non-essential water use: water uses that are not essential nor required for the protection of public, health, safety, and welfare, including:

- (a) irrigation of landscape areas, including parks, athletic fields, and golf courses, except otherwise provided under this Plan;
- (b) use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle;
- (c) use of water to wash down any sidewalks, walkways, driveways, parking lots, tennis courts, or other hard-surfaced areas;
- (d) use of water to wash down buildings or structures for purposes other than immediate fire protection;
- (e) flushing gutters or permitting water to run or accumulate in any gutter or street;
- (f) use of water to fill, refill, or add to any indoor or outdoor swimming pools or Jacuzzi-type pools;
- (g) use of water in a fountain or pond for aesthetic or scenic purposes except where necessary to support aquatic life;
- (h) failure to repair a controllable leak(s) within a reasonable period after having been given notice directing the repair of such leak(s); and
- (i) use of water from hydrants for construction purposes or any other purposes other than fire fighting.

Odd numbered address: street addresses, box numbers, or rural postal route numbers ending in 1, 3, 5, 7, or 9.

Section VIII: Criteria for Initiation and Termination of Drought Response Stages

The _____ (designated official) or his/her designee shall monitor water supply and/or demand conditions on a _____ (example: daily, weekly, monthly) basis and shall determine when conditions warrant initiation or termination of each stage of the Plan, that is, when the specified triggers are reached.

The triggering criteria described below are based on _____

(provide a brief description of the rationale for the triggering criteria; for example, triggering criteria / trigger levels based on a statistical analysis of the vulnerability of the water source under drought of record conditions, or based on known system capacity limits).

Stage 1 Triggers -- MILD Water Shortage Conditions

Requirements for initiation

Customers shall be requested to voluntarily conserve water and adhere to the prescribed restrictions on certain water uses, defined in Section VII Definitions, when

(Describe triggering criteria / trigger levels; see examples below).

Following are examples of the types of triggering criteria that might be used in one or more successive stages of a drought contingency plan. One or a combination of such criteria must be defined for each drought response stage, but usually not all will apply. Select those appropriate to your system:

Example 1: Annually, beginning on May 1 through September 30.

Example 2: When the water supply available to the _____ (name of your water supplier) is equal to or less than _____ (acre-feet, percentage of storage, etc.).

*Example 3: When, pursuant to requirements specified in the _____ (name of **your** water supplier) wholesale water purchase contract with _____ (name of your wholesale water supplier), notification is received requesting initiation of Stage 1 of the Drought Contingency Plan.*

Example 4: When flows in the _____ (name of stream or river) are equal to or less than _____ cubic feet per second.

Example 5: When the static water level in the _____ (name of your water supplier) well(s) is equal to or less than _____ feet above/below mean sea level.

Example 6: When the specific capacity of the _____ (name of your water supplier) well(s) is equal to or less than _____ percent of the well's original specific capacity.

Example 7: When total daily water demand equals or exceeds _____ million gallons for _____ consecutive days of _____ million gallons on a single day (example: based on the safe operating capacity of water supply facilities).

Example 8: Continually falling treated water reservoir levels which do not refill above _____ percent overnight (example: based on an evaluation of minimum treated water storage required to avoid system outage).

The public water supplier may devise other triggering criteria which are tailored to its system.

Requirements for termination

Stage 1 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of ____ (e.g. 3) consecutive days.

Stage 2 Triggers -- MODERATE Water Shortage Conditions

Requirements for initiation

Customers shall be required to comply with the requirements and restrictions on certain non-essential water uses provided in Section IX of this Plan when _____ (describe triggering criteria; see examples in Stage 1).

Requirements for termination

Stage 2 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of ____ (example: 3) consecutive days. Upon termination of Stage 2, Stage 1 becomes operative.

Stage 3 Triggers SEVERE Water Shortage Conditions

Requirements for initiation

Customers shall be required to comply with the requirements and restrictions on certain non-essential water uses for Stage 3 of this Plan when _____ (*describe triggering criteria; see examples in Stage 1*).

Requirements for termination

Stage 3 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of ____ (example: 3) consecutive days. Upon termination of Stage 3, Stage 2 becomes operative.

Stage 4 Triggers -- CRITICAL Water Shortage Conditions

Requirements for initiation

Customers shall be required to comply with the requirements and restrictions on certain non-essential water uses for Stage 4 of this Plan when _____ (*describe triggering criteria; see examples in Stage 1*).

Requirements for termination

Stage 4 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of ____ (example: 3) consecutive days. Upon termination of Stage 4, Stage 3 becomes operative.

Stage 5 Triggers -- EMERGENCY Water Shortage Conditions

Requirements for initiation

Customers shall be required to comply with the requirements and restrictions for Stage 5 of this Plan when _____ (designated official), or his/her designee, determines that a water supply emergency exists based on:

1. Major water line breaks, or pump or system failures occur, which cause unprecedented loss of capability to provide water service; **or**
2. Natural or man-made contamination of the water supply source(s).

Requirements for termination

Stage 5 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of ____ (example: 3) consecutive days.

Stage 6 Triggers -- WATER ALLOCATION

Requirements for initiation

Customers shall be required to comply with the water allocation plan prescribed in Section IX of this Plan and comply with the requirements and restrictions for Stage 5 of this Plan when _____ (*describe triggering criteria, see examples in Stage 1*).

Requirements for termination - Water allocation may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of ____ (example: 3) consecutive days.

Note: The inclusion of WATER ALLOCATION as part of a drought contingency plan may not be required in all cases. For example, for a given water supplier, an analysis of water supply availability under drought of record conditions may indicate that there is essentially no risk of water supply shortage. Hence, a drought contingency plan for such

a water supplier might only address facility capacity limitations and emergency conditions (example: supply source contamination and system capacity limitations).

Section IX: Drought Response Stages

The _____ (designated official), or his/her designee, shall monitor water supply and/or demand conditions on a daily basis and, in accordance with the triggering criteria set forth in Section VIII of this Plan, shall determine that a mild, moderate, severe, critical, emergency or water shortage condition exists and shall implement the following notification procedures:

Notification

Notification of the Public:

The _____ (designated official) or his/ her designee shall notify the public by means of:

Examples:

*publication in a newspaper of general circulation,
direct mail to each customer,
public service announcements,
signs posted in public places
take-home fliers at schools.*

Additional Notification:

The _____ (designated official) or his/ her designee shall notify directly, or cause to be notified directly, the following individuals and entities:

Examples:

*Mayor / Chairman and members of the City Council / Utility Board
Fire Chief(s)
City and/or County Emergency Management Coordinator(s)
County Judge & Commissioner(s)
State Disaster District / Department of Public Safety
TCEQ (required when mandatory restrictions are imposed)
Major water users
Critical water users, i.e. hospitals
Parks / street superintendents & public facilities managers*

Note: The plan should specify direct notice only as appropriate to respective drought stages.

Stage 1 Response -- MILD Water Shortage Conditions

Target: Achieve a voluntary ____ percent reduction in _____(example: total water use, daily water demand, etc.).

Best Management Practices for Supply Management:

Describe additional measures, if any, to be implemented directly by (name of your water supplier) to manage limited water supplies and/or reduce water demand. Examples include: reduced or discontinued flushing of water mains, activation and use of an alternative supply source(s); use of reclaimed water for non-potable purposes.

Voluntary Water Use Restrictions for Reducing Demand :

- (a) Water customers are requested to voluntarily limit the irrigation of landscaped areas to Sundays and Thursdays for customers with a street address ending in an even number (0, 2, 4, 6 or 8), and Saturdays and Wednesdays for water customers with a street address ending in an odd number (1, 3, 5, 7 or 9), and to irrigate landscapes only



between the hours of midnight and 10:00 a.m. and 8:00 p.m. to midnight on designated watering days.

- (b) All operations of the _____ (name of your water supplier) shall adhere to water use restrictions prescribed for Stage 2 of the Plan.
- (c) Water customers are requested to practice water conservation and to minimize or discontinue water use for non-essential purposes.

Stage 2 Response -- MODERATE Water Shortage Conditions

Target: Achieve a ____ percent reduction in _____ (example: total water use, daily water demand, etc.).

Best Management Practices for Supply Management:

Describe additional measures, if any, to be implemented directly by _____ (name of your water supplier) to manage limited water supplies and/or reduce water demand. Examples include: reduced or discontinued flushing of water mains, reduced or discontinued irrigation of public landscaped areas; use of an alternative supply source(s); use of reclaimed water for non-potable purposes.

Water Use Restrictions for Demand Reduction:

Under threat of penalty for violation, the following water use restrictions shall apply to all persons:

- (a) Irrigation of landscaped areas with hose-end sprinklers or automatic irrigation systems shall be limited to Sundays and Thursdays for customers with a street address ending in an even number (0, 2, 4, 6 or 8), and Saturdays and Wednesdays for water customers with a street address ending in an odd number (1, 3, 5, 7 or 9), and irrigation of landscaped areas is further limited to the hours of 12:00 midnight until 10:00 a.m. and between 8:00 p.m. and 12:00 midnight on designated watering days. However, irrigation of landscaped areas is permitted at anytime if it is by means of a hand-held hose, a faucet filled bucket or watering can of five (5) gallons or less, or drip irrigation system.
- (b) Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle is prohibited except on designated watering days between the hours of 12:00 midnight and 10:00 a.m. and between 8:00 p.m. and 12:00 midnight. Such washing, when allowed, shall be done with a hand-held bucket or a hand-held hose equipped with a positive shutoff nozzle for quick rises. Vehicle washing may be done at any time on the immediate premises of a commercial car wash or commercial service station. Further, such washing may be exempted from these regulations if the health, safety, and welfare of the public is contingent upon frequent vehicle cleansing, such as garbage trucks and vehicles used to transport food and perishables.
- (c) Use of water to fill, refill, or add to any indoor or outdoor swimming pools, wading pools, or Jacuzzi-type pools is prohibited except on designated watering days between the hours of 12:00 midnight and 10:00 a.m. and between 8 p.m. and 12:00 midnight.
- (d) Operation of any ornamental fountain or pond for aesthetic or scenic purposes is prohibited except where necessary to support aquatic life or where such fountains or ponds are equipped with a recirculation system.
- (e) Use of water from hydrants shall be limited to fire fighting, related activities, or other activities necessary to maintain public health, safety, and welfare, except that use of water from designated fire hydrants for construction purposes may be allowed under special permit from the _____ (name of your water supplier).

- (f) Use of water for the irrigation of golf course greens, tees, and fairways is prohibited except on designated watering days between the hours 12:00 midnight and 10:00 a.m. and between 8 p.m. and 12:00 midnight. However, if the golf course utilizes a water source other than that provided by the _____ (name of your water supplier), the facility shall not be subject to these regulations.
- (g) All restaurants are prohibited from serving water to patrons except upon request of the patron.
- (h) The following uses of water are defined as non-essential and are prohibited:
 - 1. wash down of any sidewalks, walkways, driveways, parking lots, tennis courts, or other hard-surfaced areas;
 - 2. use of water to wash down buildings or structures for purposes other than immediate fire protection;
 - 3. use of water for dust control;
 - 4. flushing gutters or permitting water to run or accumulate in any gutter or street; and
 - 5. failure to repair a controllable leak(s) within a reasonable period after having been given notice directing the repair of such leak(s).

Stage 3 Response -- SEVERE Water Shortage Conditions

Target: Achieve a ____ percent reduction in _____ (example: total water use, daily water demand, etc.).

Best Management Practices for Supply Management:

Describe additional measures, if any, to be implemented directly by _____ (name of your water supplier) to manage limited water supplies and/or reduce water demand. Examples include: reduced or discontinued flushing of water mains, reduced or discontinued irrigation of public landscaped areas; use of an alternative supply source(s); use of reclaimed water for non-potable purposes.

Water Use Restrictions for Demand Reduction:

All requirements of Stage 2 shall remain in effect during Stage 3 except:

- (a) Irrigation of landscaped areas shall be limited to designated watering days between the hours of 12:00 midnight and 10:00 a.m. and between 8 p.m. and 12:00 midnight and shall be by means of hand-held hoses, hand-held buckets, drip irrigation, or permanently installed automatic sprinkler system only. The use of hose-end sprinklers is prohibited at all times.
- (b) The watering of golf course tees is prohibited unless the golf course utilizes a water source other than that provided by the _____ (name of your water supplier).
- (c) The use of water for construction purposes from designated fire hydrants under special permit is to be discontinued.

Stage 4 Response -- CRITICAL Water Shortage Conditions

Target: Achieve a ____ percent reduction in _____ (example: total water use, daily water demand, etc.).

Best Management Practices for Supply Management:

Describe additional measures, if any, to be implemented directly by _____ (name of your water supplier) to manage limited water supplies and/or reduce water demand. Examples include: reduced or discontinued flushing of water mains, reduced or discontinued irrigation of public landscaped areas; use of an alternative supply source(s); use of reclaimed water for non-potable purposes.

Water Use Restrictions for Reducing Demand: All requirements of Stage 2 and 3 shall remain in effect during Stage 4 except:

- (a) Irrigation of landscaped areas shall be limited to designated watering days between the hours of 6:00 a.m. and 10:00 a.m. and between 8:00 p.m. and 12:00 midnight and shall be by means of hand-held hoses, hand-held buckets, or drip irrigation only. The use of hose-end sprinklers or permanently installed automatic sprinkler systems are prohibited at all times.
- (b) Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle not occurring on the premises of a commercial car wash and commercial service stations and not in the immediate interest of public health, safety, and welfare is prohibited. Further, such vehicle washing at commercial car washes and commercial service stations shall occur only between the hours of 6:00 a.m. and 10:00 a.m. and between 6:00 p.m. and 10 p.m.
- (c) The filling, refilling, or adding of water to swimming pools, wading pools, and Jacuzzi-type pools is prohibited.
- (d) Operation of any ornamental fountain or pond for aesthetic or scenic purposes is prohibited except where necessary to support aquatic life or where such fountains or ponds are equipped with a recirculation system.
- (e) No application for new, additional, expanded, or increased-in-size water service connections, meters, service lines, pipeline extensions, mains, or water service facilities of any kind shall be approved, and time limits for approval of such applications are hereby suspended for such time as this drought response stage or a higher-numbered stage shall be in effect.

Stage 5 Response -- EMERGENCY Water Shortage Conditions

Target: Achieve a ____ percent reduction in _____ (example: total water use, daily water demand, etc.).

Best Management Practices for Supply Management:

Describe additional measures, if any, to be implemented directly by _____ (name of your water supplier) to manage limited water supplies and/or reduce water demand. Examples include: reduced or discontinued flushing of water mains, reduced or discontinued irrigation of public landscaped areas; use of an alternative supply source(s); use of reclaimed water for non-potable purposes.

Water Use Restrictions for Reducing Demand: All requirements of Stage 2, 3, and 4 shall remain in effect during Stage 5 except:

- (a) Irrigation of landscaped areas is absolutely prohibited.

- (b) Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle is absolutely prohibited.

Stage 6 Response -- WATER ALLOCATION

In the event that water shortage conditions threaten public health, safety, and welfare, the _____ (designated official) is hereby authorized to allocate water according to the following water allocation plan:

Single-Family Residential Customers

The allocation to residential water customers residing in a single-family dwelling shall be as follows:

| Persons per Household | Gallons per Month |
|------------------------------|--------------------------|
| 1 or 2 | 6,000 |
| 3 or 4 | 7,000 |
| 5 or 6 | 8,000 |
| 7 or 8 | 9,000 |
| 9 or 10 | 10,000 |
| 11 or more | 12,000 |

Household means the residential premises served by the customer's meter. Persons per household include only those persons currently physically residing at the premises and expected to reside there for the entire billing period. It shall be assumed that a particular customer's household is comprised of two (2) persons unless the customer notifies the _____ (name of your water supplier) of a greater number of persons per household on a form prescribed by the _____ (designated official). The _____ (designated official) shall give his/her best effort to see that such forms are mailed, otherwise provided, or made available to every residential customer. If, however, a customer does not receive such a

form, it shall be the customer's responsibility to go to the _____ (name of your water supplier) offices to complete and sign the form claiming more than two (2) persons per household. New customers may claim more persons per household at the time of applying for water service on the form prescribed by the _____ (designated official). When the number of persons per household increases so as to place the customer in a different allocation category, the customer may notify the _____ (name of water supplier) on such form and the change will be implemented in the next practicable billing period. If the number of persons in a household is reduced, the customer shall notify the _____ (name of your water supplier) in writing within two (2) days. In prescribing the method for claiming more than two (2) persons per household, the _____ (designated official) shall adopt methods to insure the accuracy of the claim. Any person who knowingly, recklessly, or with criminal negligence falsely reports the number of persons in a household or fails to timely notify the _____ (name of your water supplier) of a reduction in the number of person in a household shall be fined not less than \$_____.

Residential water customers shall pay the following surcharges:

\$_____ for the first 1,000 gallons over allocation.
\$_____ for the second 1,000 gallons over allocation.
\$_____ for the third 1,000 gallons over allocation.
\$_____ for each additional 1,000 gallons over allocation.

Surcharges shall be cumulative.

Master-Metered Multi-Family Residential Customers

The allocation to a customer billed from a master meter which jointly measures water to multiple permanent residential dwelling units (example: apartments, mobile homes) shall be allocated 6,000 gallons per month for each dwelling unit. It shall be assumed that such a customer's meter



serves two dwelling units unless the customer notifies the _____ (name of your water supplier) of a greater number on a form prescribed by the _____ (designated official). The _____ (designated official) shall give his/her best effort to see that such forms are mailed, otherwise provided, or made available to every such customer. If, however, a customer does not receive such a form, it shall be the customer's responsibility to go to the _____ (name of your water supplier) offices to complete and sign the form claiming more than two (2) dwellings. A dwelling unit may be claimed under this provision whether it is occupied or not. New customers may claim more dwelling units at the time of applying for water service on the form prescribed by the _____ (designated official). If the number of dwelling units served by a master meter is reduced, the customer shall notify the _____ (name of your water supplier) in writing within two (2) days. In prescribing the method for claiming more than two (2) dwelling units, the _____ (designated official) shall adopt methods to insure the accuracy of the claim. Any person who knowingly, recklessly, or with criminal negligence falsely reports the number of dwelling units served by a master meter or fails to timely notify the _____ (name of your water supplier) of a reduction in the number of person in a household shall be fined not less than \$_____. Customers billed from a master meter under this provision shall pay the following monthly surcharges:

- \$_____ for 1,000 gallons over allocation up through 1,000 gallons for each dwelling unit.
- \$_____, thereafter, for each additional 1,000 gallons over allocation up through a second 1,000 gallons for each dwelling unit.
- \$_____, thereafter, for each additional 1,000 gallons over allocation up through a third 1,000 gallons for each dwelling unit.
- \$_____, thereafter for each additional 1,000 gallons over allocation.

Surcharges shall be cumulative.

Commercial Customers

A monthly water allocation shall be established by the _____ (designated official), or his/her designee, for each nonresidential commercial customer other than an industrial customer who uses water for processing purposes. The non-residential customer's allocation shall be approximately ____ (e.g. 75%) percent of the customer's usage for corresponding month's billing period for the previous 12 months. If the customer's billing history is shorter than 12 months, the monthly average for the period for which there is a record shall be used for any monthly period for which no history exists. Provided, however, a customer, ____ percent of whose monthly usage is less than _____ gallons, shall be allocated _____ gallons. The _____ (designated official) shall give his/her best effort to see that notice of each non-residential customer's allocation is mailed to such customer. If, however, a customer does not receive such notice, it shall be the customer's responsibility to contact the _____ (name of your water supplier) to determine the allocation. Upon request of the customer or at the initiative of the _____ (designated official), the allocation may be reduced or increased if, (1) the designated period does not accurately reflect the customer's normal water usage, (2) one nonresidential customer agrees to transfer part of its allocation to another nonresidential customer, or (3) other objective evidence demonstrates that the designated allocation is inaccurate under present conditions. A customer may appeal an allocation established hereunder to the _____ (designated official or alternatively, a special water allocation review committee). Nonresidential commercial customers shall pay the following surcharges:

Customers whose allocation is _____ gallons through _____ gallons per month:

- \$_____ per thousand gallons for the first 1,000 gallons over allocation.
- \$_____ per thousand gallons for the second 1,000 gallons over allocation.
- \$_____ per thousand gallons for the third 1,000 gallons over allocation.
- \$_____ per thousand gallons for each additional 1,000 gallons over allocation.

Customers whose allocation is _____ gallons per month or more:

- _____ times the block rate for each 1,000 gallons in excess of the allocation up through 5 percent above allocation.
- _____ times the block rate for each 1,000 gallons from 5 percent through 10 percent above allocation.
- _____ times the block rate for each 1,000 gallons from 10 percent through 15 percent above allocation.
- _____ times the block rate for each 1,000 gallons more than 15 percent above allocation.

The surcharges shall be cumulative. As used herein, block rate means the charge to the customer per 1,000 gallons at the regular water rate schedule at the level of the customer's allocation.

7.1

Industrial Customers

A monthly water allocation shall be established by the _____ (designated official), or his/her designee, for each industrial customer, which uses water for processing purposes. The industrial customer's allocation shall be approximately _____ (example: 90%) percent of the customer's water usage baseline. Ninety (90) days after the initial imposition of the allocation for industrial customers, the industrial customer's allocation shall be further reduced to _____ (example: 85%) percent of the customer's water usage baseline. The industrial customer's water use baseline will be computed on the average water use for the _____ month period ending prior to the date of implementation of Stage 2 of the Plan. If the industrial water customer's billing history is shorter than _____ months, the monthly average for the period for which there is a record shall be used for any monthly period for which no billing history exists. The _____ (designated official) shall give his/her best effort to see that notice of each industrial customer's allocation is mailed to such customer. If, however, a customer does not receive such notice, it shall be the customer's responsibility to contact the _____ (name of your water supplier) to determine the allocation, and the allocation shall be fully effective notwithstanding the lack of receipt of written notice. Upon request of the customer or at the initiative of the _____ (designated official), the allocation may be reduced or increased, (1) if the designated period does not accurately reflect the customer's normal water use because the customer had shutdown a major processing unit for repair or overhaul during the period, (2) the customer has added or is in the process of adding significant additional processing capacity, (3) the customer has shutdown or significantly reduced the production of a major processing unit, (4) the customer has previously implemented significant permanent water conservation measures such that the ability to further reduce water use is limited, (5) the customer agrees to transfer part of its allocation to another industrial customer, or (6) if other objective evidence demonstrates that the designated allocation is inaccurate under present conditions. A customer may appeal an allocation established hereunder to the _____ (designated official or alternatively, a special water allocation review committee). Industrial customers shall pay the following surcharges:

Customers whose allocation is _____ gallons through _____ gallons per month:

- \$_____ per thousand gallons for the first 1,000 gallons over allocation.
- \$_____ per thousand gallons for the second 1,000 gallons over allocation.
- \$_____ per thousand gallons for the third 1,000 gallons over allocation.
- \$_____ per thousand gallons for each additional 1,000 gallons over allocation.

Customers whose allocation is _____ gallons per month or more:

- ___ times the block rate for each 1,000 gallons in excess of the allocation up through 5 percent above allocation.
- ___ times the block rate for each 1,000 gallons from 5 percent through 10 percent above allocation.
- ___ times the block rate for each 1,000 gallons from 10 percent through 15 percent above allocation.
- ___ times the block rate for each 1,000 gallons more than 15 percent above allocation.

The surcharges shall be cumulative. As used herein, block rate means the charge to the customer per 1,000 gallons at the regular water rate schedule at the level of the customer's allocation.

Section X: Enforcement

- (a) No person shall knowingly or intentionally allow the use of water from the _____ (name of your water supplier) for residential, commercial, industrial, agricultural, governmental, or any other purpose in a manner contrary to any provision of this Plan, or in an amount in excess of that permitted by the drought response stage in effect at the time pursuant to action taken by _____ (designated official), or his/her designee, in accordance with provisions of this Plan.
- (b) Any person who violates this Plan is guilty of a misdemeanor and, upon conviction shall be punished by a fine of not less than _____ dollars (\$___) and not more than _____ dollars (\$___). Each day that one or more of the provisions in this Plan is violated shall constitute a separate offense. If a person is convicted of three or more distinct violations of this Plan, the _____ (designated official) shall, upon due notice to the customer, be authorized to discontinue water service to the premises where such violations occur. Services discontinued under such circumstances shall be restored only upon payment of a re-connection charge, hereby established at \$_____, and any other costs incurred by the _____ (name of your water supplier) in discontinuing service. In addition, suitable assurance must be given to the _____ (designated official) that the same action shall not be repeated while the Plan is in effect. Compliance with this plan may also be sought through injunctive relief in the district court.
- (c) Any person, including a person classified as a water customer of the _____ (name of your water supplier), in apparent control of the property where a violation occurs or originates shall be presumed to be the violator, and proof that the violation occurred on the person's property shall constitute a rebuttable presumption that the person in apparent control of the property committed the violation, but any such person shall have the right to show that he/she did not commit the violation. Parents shall be presumed to be responsible for violations of their minor children and proof that a violation, committed by a child, occurred on property within the parents' control shall constitute a rebuttable presumption that the parent committed the violation, but any such parent may be excused if he/she proves that he/she had previously directed the child not to use the water as it was used in violation of this Plan and that the parent could not have reasonably known of the violation.

Any employee of the _____ (name of your water supplier), police officer, or other _____ employee designated by the _____ (designated official), may issue a citation to a person he/she reasonably believes to be in violation of this Ordinance. The citation shall be prepared in duplicate and shall contain the name and address of the alleged violator, if known, the offense charged, and shall direct him/her to appear in the _____ (example: municipal court) on the date shown on the citation for which the date shall not be less than 3 days nor more than 5 days from the date the citation was issued. The alleged violator shall be served a copy of the citation. Service of the citation shall be complete upon delivery of the citation to the alleged violator, to an agent or employee of a violator, or to a person over 14 years of age who is a member of the violator's immediate family or is a resident of the violator's residence. The alleged

violator shall appear in _____ (example: municipal court) to enter a plea of guilty or not guilty for the violation of this Plan. If the alleged violator fails to appear in _____ (example: municipal court), a warrant for his/her arrest may be issued. A summons to appear may be issued in lieu of an arrest warrant. These cases shall be expedited and given preferential setting in _____ (example: municipal court) before all other cases.

Section XI: Variances

The _____ (designated official), or his/her designee, may, in writing, grant temporary variance for existing water uses otherwise prohibited under this Plan if it is determined that failure to grant such variance would cause an emergency condition adversely affecting the health, sanitation, or fire protection for the public or the person requesting such variance and if one or more of the following conditions are met:

- (a) Compliance with this Plan cannot be technically accomplished during the duration of the water supply shortage or other condition for which the Plan is in effect.
- (b) Alternative methods can be implemented which will achieve the same level of reduction in water use.

Persons requesting an exemption from the provisions of this Ordinance shall file a petition for variance with the _____ (name of your water supplier) within 5 days after the Plan or a particular drought response stage has been invoked. All petitions for variances shall be reviewed by the _____ (designated official), or his/her designee, and shall include the following:

- (a) Name and address of the petitioner(s).
- (b) Purpose of water use.
- (c) Specific provision(s) of the Plan from which the petitioner is requesting relief.
- (d) Detailed statement as to how the specific provision of the Plan adversely affects the petitioner or what damage or harm will occur to the petitioner or others if petitioner complies with this Ordinance.
- (e) Description of the relief requested.
- (f) Period of time for which the variance is sought.
- (g) Alternative water use restrictions or other measures the petitioner is taking or proposes to take to meet the intent of this Plan and the compliance date.
- (h) Other pertinent information.

If you have any questions on how to fill out this form or about the Drought Contingency program, please contact us at 512/239-_____.

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512-239-3282.



c/o San Antonio River Authority
P.O. Box 839980
San Antonio, Texas 78283-9980

(210) 227-1373 Office
(210) 302-3692 Fax
www.RegionLTexas.org

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GMA 9
Dan Meyer
GMA 10
Art Dohmann
GMA 15

February 9, 2012

Ms. Melanie Callahan
Executive Administrator
Texas Water Development Board
P.O. Box 13231
Austin, Texas 78711-3231

RE: HYDROLOGIC ASSUMPTIONS AND MODELS FOR USE IN
THE 2016 SOUTH CENTRAL TEXAS REGIONAL WATER
PLAN

Dear Ms. Callahan:

Pursuant to Texas Water Development Board (TWDB) General Guidelines for Regional Water Plan Development (2012-2016), the South Central Texas Regional Planning Group (SCTRWPG) respectfully requests your approval of the 2016 South Central Texas Regional Water Plan Hydrologic Assumptions and Operational Procedures for Assessment of Groundwater and Surface Water Supply (Attachment A). Contents of Attachment A were approved by consensus of the SCTRWPG during its meeting of February 2, 2012 and are consistent with such assumptions and procedures approved by the TWDB for our use in development of the 2001, 2006, and 2011 regional plans.

The SCTRWPG also respectfully requests your approval of our potential use, as necessary and appropriate, of the hydrologic models listed in Attachment B for regional water planning purposes. Contents of Attachment B were approved by consensus of the SCTRWPG during its meeting of February 2, 2012 and are consistent with hydrologic models approved by the TWDB for our use in development of the 2011 regional plan.



Should you or your staff need additional information regarding these requests, please contact Sam Vaughn (512-912-5142), Brian Perkins (512-912-5173), or me at your convenience.

Sincerely,

A handwritten signature in dark ink, appearing to read "Con Mims".

Con Mims, Chair

South Central Texas Regional Water Planning Group

cm/en

Enclosures

cc: Steve Raabe, San Antonio River Authority
Matt Nelson, Texas Water Development Board
Sam Vaughn, HDR Engineering, Inc.

Attachment A
2016 South Central Texas Regional Water Plan

**Hydrologic Assumptions and Operational Procedures for
Assessment of Groundwater and Surface Water Supply**

- 1) Full exercise of surface water rights. Data files updated with latest existing permanent water rights.
- 2) Edwards Aquifer withdrawals, critical period management, and resulting springflows consistent with Habitat Conservation Plan (Phase I) developed through the Edwards Aquifer Recovery Implementation Program (pending approval by USFWS) for the period 1947-1989. Pre-1947 withdrawals, critical period management, and resulting springflows consistent with SB 3 (80th Texas Legislature) using GWSIM-IV and historical Edwards Aquifer recharge estimates developed by EUWD/HDR.
- 3) Operation of Canyon Reservoir at firm yield in accordance with Certificate of Adjudication No. 18-2074E, including subordination of all senior Guadalupe River hydropower permits to Canyon Reservoir.
- 4) Delivery of GBRA's present contractual obligations from Canyon Reservoir to points of diversion.
- 5) Effluent discharge / return flow in the Guadalupe - San Antonio River Basin will be that reported for 2006 and adjusted for current SAWS direct recycled water commitments. Smaller reuse commitments of San Marcos, New Braunfels, Seguin, Kyle, San Antonio River Authority, and/or Cibolo Creek Municipal Authority, as well as others marketing reuse water (Gonzales, Kenedy, etc) may be considered to the extent data is available.
- 6) Operation of power plant reservoirs (Braunig, Calaveras, and Coleta Creek) subject to authorized consumptive uses at the reservoir, with makeup diversions as needed to maintain full conservation storage to the extent possible subject to senior water rights, instream flow constraints, and/or applicable contractual provisions.
- 7) Operation of Choke Canyon Reservoir/Lake Corpus Christi (CCR/LCC) System at safe yield subject to TCEQ Agreed Order regarding freshwater inflows to the Nueces Estuary.
- 8) Period of record for simulations: Guadalupe-San Antonio River Basin (1934-89, Critical Drought = 1950s) and Nueces River Basin (1934-97, Critical Drought = 1990s).
- 9) Firm supply of surface water rights based on monthly availability.

Attachment B
2016 South Central Texas Regional Water Plan
Hydrologic Models

| MODEL | USE FOR EXISTING SUPPLIES | USE FOR WATER MANAGEMENT STRATEGIES |
|--|---------------------------------|---|
| <u>Surface Water – Guadalupe-San Antonio River Basin</u> | | |
| • Guadalupe-San Antonio River Basin Water Availability Model (GSA WAM) (TCEQ) | ✓ | ✓ |
| • Guadalupe-San Antonio River Basin Water Availability Model (GSA WAM) (Region L/HDR) | ✓ | ✓ |
| • Guadalupe-San Antonio River Basin Model (HDR) | | ✓ |
| <u>Surface Water -- Nueces River Basin</u> | | |
| • Nueces River Basin Water Availability Model (N WAM) (TCEQ) | ✓ | ✓ |
| • Lower Nueces River Basin & Estuary Model (NUBAY) (HDR) | ✓ | ✓ |
| • Nueces River Basin Model (HDR) | | ✓ |
| <u>Surface Water – Environmental Flow Analyses</u> | | |
| • Flow Regime Application Tool (FRAT) (TPWD/SAC) | | ✓ |
| <u>Surface Water – Rainfall/Runoff</u> | | |
| • Pilot Recharge Models of the Nueces and Blanco Recharge Basins (HSPF) (EAA/HDR) | | ✓ |
| • HSPF Recharge Models for the San Antonio Segment of the Balcones Fault Zone of the Edwards Aquifer (HSPF) (EAA/LBG-Guyton/HDR) | | ✓ |
| <u>Groundwater – Edwards Aquifer</u> | | |
| • MODFLOW (EAA/USGS) | ✓ | ✓ |
| • GWSIM-IV (TWDB/HDR) | ✓ | ✓ |
| <u>Groundwater – Carrizo/Wilcox Aquifer</u> | | |
| • Southern Carrizo-Wilcox-Queen City-Sparta GAM (TWDB) | | ✓ |
| • Central Carrizo-Wilcox-Queen City-Sparta GAM (TWDB) | | ✓ |
| <u>Groundwater – Gulf Coast Aquifer</u> | | |
| • Gulf Coast (Central) GAM (TWDB) | | ✓ |
| <u>Groundwater – Trinity Aquifer</u> | | |
| • Trinity (Hill Country) GAM (TWDB) | | ✓ |

Texas Water Development Board

P.O. Box 13231, 1700 N. Congress Ave.
Austin, TX 78711-3231, www.twdb.texas.gov
Phone (512) 463-7847, Fax (512) 475-2053

September 18, 2012

Mr. Con Mims, Chair
South Central Texas Regional Water Planning Group
c/o Nueces River Authority
P.O. Box 349
Uvalde, Texas 78802

RE: Follow-up to South Central Texas Regional Water Planning Group's (SCTRWPG)
Request for Approval of Hydrologic Assumptions and Models for Use in the 2016
South Central Texas Regional Water Plan

Dear Mr. Mims:



This letter is in response to our June 26, 2012 follow-up meeting with HDR at the Texas Water Development Board (TWDB). This letter confirms that TWDB approves:

- All assumptions and model modifications included in the February 9, 2012 request for the purpose of evaluating existing supplies. This includes the use of historically discharged effluent and corrected springflows from the Edwards Aquifer consistent with pumping restrictions associated with either: the EARIP HCP or current law under Senate Bill 3 passed by the 80th Texas Legislature.
- The use of the Region L GSA WAM which more accurately models the Canyon Reservoir permit, Coletto Creek Diversions, the Medina Lake System, and the CPS lakes (Calaveras and Braunig), also for the purpose of evaluating existing supplies.
- Evaluating all new WMSs using only the *unmodified TCEQ WAM Run 3 models*. The only exception to this is that TWDB approves the use of updated WAM spring flow files in these otherwise unmodified Texas Commission on Environmental Quality (TCEQ) WAM Run 3 models to reflect the existing withdrawal reduction levels and stages for critical period management that are current law under Senate Bill 3 passed by the 80th Texas Legislature. In addition, as of the date that the USFWS publishes its intent to issue an EARIP HCP permit in the Federal Register, TWDB also approves the use of updated WAM spring flow files in the otherwise

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unmodified Texas Commission on Environmental Quality (TCEQ) WAM Run 3 models to reflect the anticipated withdrawal reduction levels and stages for critical period management associated with the EARIP HCP permit. Note that these same modified spring flow files are also approved for use in analyzing cumulative effects of the plan, if desired by the RWPG.

While TWDB authorizes certain modifications to evaluate existing water supplies for development of the 2016 South Central Texas Regional Water Plan, it is the responsibility of the RWPG to ensure that the resulting estimates of water availability are reasonable for drought planning purposes, will reflect conditions expected in the event of actual drought conditions, and in all other regards will be evaluated in accordance with the contract Exhibit C, General Guidelines for Regional Water Plan Development.

If you have any further questions, please do not hesitate to contact Mr. Matt Nelson, Project Manager for SCTRWP, at (512) 936-3550 or via email at matt.nelson@twdb.texas.gov.

Sincerely,



Carolyn L. Brittin
Deputy Executive Administrator
Water Resources Planning and Information

c: Steve Raabe, San Antonio River Authority
Sam Vaughn, HDR Engineering
David Carter, TWDB
Matt Nelson, TWDB



Appendix KA

~~TWDB DB17 Reports~~ Implementation Survey Results

*[This page intentionally left blank. Appendix K is comprised of survey results located
As an Excel file in the Digital Appendix]*

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Appendix **LA**

~~TWDB DB17 Reports~~ WAM Data Files

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Appendix K

Implementation Survey Results

*[Appendix K is comprised of survey results located
As an Excel file in the Digital Appendix]*

Appendix L

WAM Data Files

*[Appendix L is comprised of WAM Model files and Located
within a self named folder in the Digital Appendix]*

Date: September 3, 2015

To: South Central Texas Regional Water Planning Group

From Con Mims

Re: Report from the Public Comment and Plan Assessment Workgroup (Workgroup)

The Workgroup met at 1:00 p.m., on August 19, 2015 in the San Antonio River Authority Board Room. Members present were:

Dianne Savage
Russell Labus
Alan Cockerell
Chuck Ahrens
Greg Sengelmann
Tom Taggart
Dianne Wassenich
Jim Murphy
Tommy Hill
Donna Balin
Iliana Pena

The Workgroup's charge was read, as follows:

August 14 was the deadline for submitting public comments on our Initially Prepared Plan (IPP). At our September 3 meeting, the planning group will consider how to respond to those comments. To facilitate this, the Workgroup will prepare recommended responses for the planning group's consideration. Also, the Workgroup will attempt to resolve concerns with our 2016 IPP that have been expressed in recent planning group meetings and in the public comments. The Workgroup will prepare recommended resolutions, where possible, for the planning group's consideration. Both issues will be addressed, concurrently, by the Workgroup.

To begin the meeting, the Workgroup agreed that public comments received on the Region L 2016 Initially Prepared Plan, generally, fell into three categories, being (1) state agency, (2) opposition to the Cibolo Valley Local Government Corporation Carrizo Water Management Strategy in Wilson County, and (3) other concerns.

1. Recommended Response to State Agency Comments

Our technical consultants presented their proposed responses to comments received from Texas Water Development Board and Texas Parks and Wildlife Department. **The Workgroup agreed to recommend that the planning group accept the technical consultant's responses as the planning group's response to the state agency comments.** The technical consultants' responses will be presented at the September 3 planning group meeting.

2. Recommended Response to Cibolo Valley Local Government Corporation Carrizo WMS Comments

It was noted that the agenda for the September 3 planning group meeting includes a vote to determine whether or not any version of the Cibolo Valley LGC Carrizo WMS will remain in the 2016 Plan. **The Workgroup agreed to recommend that the planning group approve reference to this action as its response to all comments related to this issue.**

3 Recommended Response to Other Comments

(a) The Workgroup discussed a process whereby the planning group, as a whole, over several meetings beginning with its first meeting in 2016, will discuss and take appropriate action on ways to improve its 2021 Plan based on comments received on its 2016 Plan. (I refer to this as the 2021 Plan Enhancement Process.)

Subjects to be addressed in these meetings will include, but not be limited to:

- How Water Management Strategies are categorized; e.g. Recommended, Alternate, Needing Further Study.
- The appropriateness and adequacy of how demand and need are determined.
- The adequacy of environmental assessments of individual WMS's.
- The adequacy of evaluating the Plan's effects on freshwater inflows to San Antonio Bay.
- The extent to which innovative strategies should be used.
- A set of guiding principles to serve as a blueprint for long-term water sustainability.
- Evaluating the effects of reuse on stream flows and downstream water rights.
- Maintaining management supplies while avoiding "over planning".
- Defining conflicts of interests of consultants and planning group members.
- The role of regional water planning groups in influencing population growth and land use.
- The role of regional water planning groups in influencing water development plans of water suppliers.
- The role of regional water planning groups in influencing permitting entities.
- Identifying special studies or evaluations deemed important to enhance the 2021 Plan and identification of outside funding sources.
- Any other subjects that the planning group agrees to address.

With the exception of comments discussed in 3(b), below, the Workgroup felt that these topics cover all of the "other comments" received. The concept behind this proposal is that fair consideration of these

topics may result in improved future water plans or, at least, ones that have higher comfort levels with planning group members, and that such consideration cannot be achieved in one or two planning group meetings.

The Workgroup agreed to recommend that the planning group approve the following response to “other comments” that are covered by the subjects listed: “This comment will be addressed with a thorough discussion, along with a selection of other public comments received, in future Region L meetings, beginning in Calendar Year 2016, as part of an effort to use comments received on its 2016 Plan to improve its 2021 and future regional water plans”.

(b) The following were identified as additional “other comments”. The Workgroup recommended the planning group approve the following responses.

Regarding pipeline alignments and/or combining pipelines

“Pipeline alignments presented in the Water Management Strategies of the 2016 Region L Plan are conceptual routes to estimate costs to move water from the strategy source to the receiving Water User Group(s). It is up to the sponsoring entity(s) to perform engineering studies and design to refine pipeline alignments and determine the project specifics.”

Regarding comments that are not pertinent to regional planning

“Any comments pertaining to water rates are outside the purview of the regional planning group. The specific rates charged by a water purveyor are set by the purveyor. The cost of a water management strategy is only one of many factors used in setting water rates.”

Regarding conservation, including leaky pipes

“TWDB direction and the regional water planning process recognize the importance of water conservation as a primary water management strategy. The 2016 Region L Plan has a goal that is below the 140 gallons per capita per day (gpcd) set by the Water Conservation Implementation Task Force. Region L anticipates it will continue emphasis on conservation opportunities to reduce future gpcd goals.”

Regarding conflict of interest for planning group membership

“Mr. Cockerell has been made aware of the requests to recuse himself from any vote on CVLGC water management strategies. Mr. Cockerell is one of three agricultural members on the South Central Texas Regional Planning Group.”

This concluded the Workgroup’s discussion.



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Carter P. Smith
Executive Director

August 07, 2015

Steven J. Raabe
Administrative Agent for Region L
San Antonio River Authority
P.O. Box 839980
San Antonio, Texas 78283-3692

Re: 2016 South Central Texas Region L Initially Prepared Plan

Dear Mr Raabe,

Thank you for seeking review and comment from the Texas Parks and Wildlife Department ("TPWD") on the 2016 Initially Prepared Regional Water Plan (IPP) for the South Central Texas Region L Water Planning Area (SCTRWPA). As you know, water impacts every aspect of TPWD's mission to manage and conserve the natural and cultural resources of Texas. As the agency charged with primary responsibility for protecting the state's fish and wildlife resources, TPWD is positioned to provide technical assistance during the water planning process. Although TPWD has limited regulatory authority over the use of state waters, TPWD is committed to working with stakeholders and others to provide science-based information during the water planning process intended to avoid or minimize impacts to state fish and wildlife resources.

TPWD understands that regional water planning groups are guided by 31 TAC §357 when preparing regional water plans. These water planning rules spell out requirements related to natural resource and environmental protection. Accordingly, TPWD staff reviewed the IPP with a focus on the following questions:

- Does the IPP include a quantitative reporting of environmental factors including the effects on environmental water needs and habitat?
- Does the IPP include a description of natural resources and threats to natural resources due to water quantity or quality problems?
- Does the IPP discuss how these threats will be addressed?
- Does the IPP describe how it is consistent with long-term protection of natural resources?
- Does the IPP include water conservation as a water management strategy?
- Does the IPP include Drought Contingency Plans?
- Does the IPP recommend any stream segments be nominated as ecologically unique?
- If the IPP includes strategies identified in the 2010 regional water plan, does it address concerns raised by TPWD in connection with the 2010 Water Plan.

The population of the 20 county SCTRWPA is estimated to grow from about 3.0 million in 2020 to about 5.2 million by 2070. Water needs are expected to more than double during this time period but water conservation, including drought management, and water reuse are expected to meet 34 percent of future water needs. In addition, the Edwards Aquifer Habitat Conservation Plan (EAHCP) is identified as both an existing supply and a future water management strategy. Full implementation of the EAHCP provides future water supply while protecting springflows at Comal and San Marcos Springs, thereby protecting associated ecosystems and the federally threatened and endangered species that are found there. The IPP includes the development of two seawater desalination projects, comprising 23 percent of future supplies. Four new aquifer storage and recovery (ASR) projects are recommended in the IPP to provide approximately 9 percent of future supplies in the region. From the perspective of environmental impacts, ASR projects are generally preferred over surface reservoirs since habitat impacts can be minimized. Finally, new surface water development projects such as the GBRA Lower Basin Project are expected to meet 1 percent of future needs.

The IPP includes a detailed quantitative reporting of environmental factors. Volume II of the IPP discusses technical evaluations of strategies and presents water management strategy summary sheets that include acreages impacted by each strategy. An analysis of cumulative environmental impacts, as well as comparisons to cumulative impacts from past plans, is also included. Where applicable, newly adopted SB3 environmental flow standards are used to evaluate environmental flow requirements.

The IPP includes a description of natural resources including fish and wildlife resources. A detailed table listing threatened and endangered species by county with notations concerning their habitat preferences and protected status is presented in Appendix G of the IPP. Major springs are also described and potential threats to natural resources were evaluated. TPWD recommends including a discussion of aquatic exotic species including but not limited to tilapia and sailfin catfish.

Quantitative environmental assessments are presented for proposed water management strategies included in the 2016 IPP as well as for the 1984, 1990, 1997, 2002, 2007 and 2012 Water Plans. While necessarily broad in scope, this quantitative analysis comparing each water plan highlights some interesting trends. For example, while the overall environmental impact score for the 2016 IPP is in the midrange compared to previous water plans for the region, it has a higher potential to impact endangered, threatened, and species of concern due to the number of projects and pipelines traversing sensitive areas. The 2016 IPP is also projected to have less impact than previous plans on vegetation and wildlife habitat, largely due to the absence of large main-stem reservoirs included in earlier plans. Finally, the 2016 IPP appears to project moderate water quality and aquatic habitat impacts. Overall the 2016 IPP is projected to have slightly greater cumulative impacts than the 2012 plan for this region. While specific conclusions cannot be made at this point, TPWD staff tends to agree with the statement that the predicted impacts associated with the smaller (but more numerous) strategies in the 2016 IPP may be more easily avoided and/or mitigated than the large scale impacts associated with reservoirs in earlier water plans.

The SCTRWPG is to be commended for its strong emphasis on water conservation, reuse and drought contingency planning. The IPP includes municipal water conservation water management strategies. Water conservation in the industrial and steam-electric power generation use categories are encouraged as well. According to the IPP, per capita water use in Region L is projected to

decline over the planning period from 140 gallons per person per day in 2020 to 130 gallons per person per day in 2070, bringing it under the Texas Water Conservation Task Force goal of 140 gallons per person per day.

While TPWD is pleased to see that many of our earlier comments have been addressed, concerns remain regarding potential impacts associated with several strategies. Several water management strategies are recommended for stream segments identified by TPWD as ecologically significant. Increased groundwater development may impact small springs and adversely impact groundwater-surface water interactions. New appropriations from the Guadalupe River and/or increased use of previously unused water rights from the Guadalupe River will impact instream flows and freshwater inflows to San Antonio Bay that will likely reduce long-term inflows and increase bay salinities, potentially leading to complex estuarine community changes. Both seawater and brackish groundwater desalination can be ecologically advantageous strategies, as long as issues such as impingement and entrainment at intake locations and brine disposal options are carefully considered. Continued consultation with TPWD staff will help to ensure that fish and wildlife impacts can be avoided or minimized. Please be advised that HB 2031 passed by the 84th legislature requires consultation with TPWD and the General Land Office regarding siting of seawater desalination intakes and discharges.

The 2016 IPP is a well written and organized report. TPWD highly commends SCTRWPG's efforts that have resulted in the successful designation of five segments recommended in the IPP as ecologically unique. Recognition is deserved for drought management as a water management strategy, aquifer storage and recovery projects, seawater desalination, use of off-channel reservoirs, use of recycled water for non-potable uses for several water user groups, and an ecological analysis of the impact of the 2016 plan. No major on-channel reservoirs are proposed within the region at this time.

Thank you for your consideration of these comments. TPW looks forward to continuing to work with the planning group to develop water supply strategies that not only meet the future water supply needs of the region but also preserve the ecological health of the region's aquatic resources. Please contact Cindy Loeffler at (512) 389-8715 if you have any questions or comments.

Sincerely,



Ross Melinchuk,
Deputy Executive Director, Natural Resources

RM: CL:ms

cc: Craig Bonds, Division Director, Inland Fisheries Division, TPWD
Clayton Wolf, Division Director, Wildlife Division, TPWD
Robin Riechers, Division Director, Coastal Fisheries Division, TPWD
Norman Boyd, Coastal Fisheries Division, TPWD

REGION L 2016 IPP
PUBLIC COMMENT SUMMARY
19 AUGUST 2015

| | A | B | D |
|---|----------------|---|--|
| 1 | REFERENCE # | NAME | COMMENT |
| 2 | 1-181 | Bernard Regnier, Eber Busch, Betty Ellis, Anthony White, Sam Willoughby, Elizabeth Wiley, Tiffany Danhof, Glen Outlaw, Glenda Hooks, James Hooks, Joann Trevino, Chelsea Michels, Rose Ervin, Linda Klepper, Jody Thomas, Don Green, Kerry Rae, Michael Eighinger, Dudley Wait, Doyle Grassmeyer, Pat Trice, Amanda Murray, Clifford McNair, Eileen Vaughhan, Patricia Mitschke, Jeff Saunders, Myron Hall, Thomas Morrissey, Emilie Self, Richard Palmer, Tommy Rhodes, JoAnna Takemura, Vol West, Roy D. Sheetz, Tomas Messick, James Rix, Donn Iverson, Thomas McKenzie, Kathryn Stahlman, J. Bowen, Alan Becker, Don Kelly, Richard Confair, Jerome Ellis, Kim Shea, Thomas Green, Johnnie Miller, Robert Cook, Laura Butterfield, Francis Adams, Paul Adkins, Randolph Lodge #1268 submitted by Secretary Paul W. Adkins, Rita Arispe, Leon Anderson, Scott Bolin, Willie E. Boykin, John Brown, Dennis Blake, Robert Beggs, Louis R. Bass, Maurice D. Bishop, Travis J. Badley, Charles F. Bolin, Mae Burrows, Terry G. Bourland, Clark H. Blake, Claudine Burgess, Clifton R. Crook, T.H. Cruz, Susie Campa, Dale E. Cook, Shanna Carver, John & Suzanna Casey, Elizabeth A. Corporon, Louis Chartier, David Diaz, Lucille Davidson, Eugene Dugger, Diane B. Davis, Walter J. Edmonson, Sally A. Evans, Mary P.B. Edwards, Tina Flanagan, James Grace,Jr., Bobby Gregory, Bobby Greaves, Elisa Gonzales, Daniel Griffin, Paul Hamilton, Marshall Huber, Norman Henderson, Lonnie Hagan, Dwight Holcek, Anglenette Jefferson, Stanley Jefferson, Alfred Janysek, Robert Kaeller, Christopher R. Kalle, Mildred A. Ludlow, Joseph Lippert, Mike Manka, Larry Miller, David Menhennett, Dennis Miller, Billy McNair, Elizabeth Mulanax, Joyce & Mike Mac Millan, Joseph Mitchell, Scott Montgomery, Audra Mitchell, Hilda Hilpert, Nancy Maloney, Karen Moore, Billie R. Olson, Roberto Perrill, Darlene Price, Robert Pekar, Paul T. Ringenbach, Donna A. Rhode, Kelli Robinson, Lonnie Ray, Franklin Roberts, Ramon I. Ramirez, Delbert Rose, Kenneth Reicherzer, James Rihn, Terri Stone, Lyla Mae Schertz, Jerry K. Savoy, Anita Smith, Elmur Singleton, Albert L. Savage, Kathleen Stone, Daniel L. Smith, Yolanda R. Sweeney, Hattie A. Smith, Marianne L. Stawarz, Evelyn Surovec, Barbara S. Taylor, Mary Lou Thornbrough, Joel Tanner, George E. Voos, George W. Vicks, Jr. Steven F. White, Joseph Winkler, John M. Wells, Robert Wachsmann, Salvador Mena, Eugene M. Wells, Jim O. Wolverton, Douglas G. White, George M. Welch, Gladys M. Zinsmeister, Patricia Zinsmeister, James Zinsmeister | The City of Schertz has always been a pioneer in securing new water sources. In order to continue that successful track record, please show your support in developing several new water sources by filling out and mailing in the petition on the back of this note or by going online to Schertz.com. Inclusion of the projects in the plan will ensure a safe and reliable drinking water supply for a growing area in the State of Texas. For more information go to www.Schertz.com under City News or go to www.regionltexas.org . Petition Closes on August 14. Petition: The purpose of the South Central Texas Regional Water Planning Group (SCTRWPG), Region L, is to provide comprehensive regional water planning. I live in the City of Schertz, located within the Region L planning area. In carrying out its mission, Region L included in the 2016 IPP the following projects:1) Cibolo Valley Local Government Corporation well field in Wilson County to produce 10,000 ac-ft/yr from new water wells in the Carrizo/Wilcox Aquifer;2) Expanded Carrizo Project for Schertz Seguin Local Government Corporation - 6,500 ac-ft/yr of Carrizo/Wilcox in Guadalupe County;3) Brackish Wilcox for Schertz Seguin Local Government Corporation Project Expansion - 5,000 ac-ft/yr Brackish Wilcox project in Gonzales County.I support the inclusion of the above-listed projects in the 2016 IPP. The projects should remain in the IPP unchanged. Inclusion of the projects in the plan will ensure a safe and reliable drinking water supply for a growing area in Texas.Thank you. |
| 3 | 182 | Lana Anderson | The City of Schertz has always been a pioneer in securing new water sources. In order to continue that successful track record, please show your support in developing several new water sources by filling out and mailing in the petition on the back of this note or by going online to Schertz.com. Inclusion of the projects in the plan will ensure a safe and reliable drinking water supply for a growing area in the State of Texas. For more information go to www.Schertz.com under City News or go to www.regionltexas.org . Petition Closes on August 14. Petition: The purpose of the South Central Texas Regional Water Planning Group (SCTRWPG), Region L, is to provide comprehensive regional water planning. I live in the City of Schertz, located within the Region L planning area. In carrying out its mission, Region L included in the 2016 IPP the following projects:1) Cibolo Valley Local Government Corporation well field in Wilson County to produce 10,000 ac-ft/yr from new water wells in the Carrizo/Wilcox Aquifer;2) Expanded Carrizo Project for Schertz Seguin Local Government Corporation - 6,500 ac-ft/yr of Carrizo/Wilcox in Guadalupe County;3) Brackish Wilcox for Schertz Seguin Local Government Corporation Project Expansion - 5,000 ac-ft/yr Brackish Wilcox project in Gonzales County.I support the inclusion of the above-listed projects in the 2016 IPP. The projects should remain in the IPP unchanged. Inclusion of the projects in the plan will ensure a safe and reliable drinking water supply for a growing area in Texas. I appreciate efforts to conserve and plan our usage of our precious water. There is a lot of growth in residential and business in our area. Has anyone considered gray water for watering our lawns? Why use our precious drinking water (potable) for that purpose. Why can't new homes be equipped for gray water usage? |
| 4 | 183-229 | National Wildlife Federation:Tatjana Walker, Dora Rushing, Kathy Lyons, Doug Brown, Kathy Newman, Dr. P. Joseph Brake, Kathy Gibbs, Jeanna Phare, Annie Kellough, Jon Ellis, Lacey McCormick, Marjorie Brake, Daniel Sotello, Bertha Mear, Terry Rohrbach, Dr. Edward Kern, Paul & Laura Dylla, Dr. Benjamin Hutchins,Mr. Wm. MacAulay | I write to voice my concerns about the short-comings of the draft Region L Water Plan. This draft of the Plan still fails to provide for the water needs of fish and wildlife. We need a comprehensive plan that considers ALL needs. The water needs of fish and wildlife must be provided for as are the other water user categories. Another major concern is the level of over-planning. Instead of this draft Plan being a carefully chosen selection of water supply projects that will meet projected water needs, it is a laundry list of projects, many of which are not well-defined, not vetted, and are not supported by the communities they are intended to supply. Such over-planning puts fish and wildlife at risk due to the potential for de-watering our aquifers and rivers for unneeded water supply projects. I care about the future of this region's natural heritage,including whooping cranes and other wildlife. I urge you to work diligently to correct these shortfalls before submitting a final Plan. |
| 5 | 230-245 | Barbara J. Brown, Diane Hartman, Kevin & Sheilah Hastings, Lonnie Hastings, Bernice Hastings, Linda Hastings, Andy Hastings, Edward Rangel, Jr., Chris Osborne, Chad Hartman, Dennis Werley, Patti Werley, Ronald Lankford, Dusty Burruir, Lauren Lankford, Elizabeth Hartman, | I oppose the Cibolo Valley Local Government Cooperation's Wilson County Carrizo project and ask that it be removed from the South Central Texas Regional Water Planning Group 2016 Initially Prepared Plan. Effective water planning for the future must include protection of the acquifer, realistic assessment of needs, and sufficient water for agriculture and the future growth of Wilson County. Environmental effects have not been studied, nor have the effects of water transport on rural communities and agriculture. I object to this project and urge its removal from the plan. |
| 6 | 246-278 | Frank L.Bain, Jr, Justine Gabrysch, Sandra Cannon, Matthew Rogers, Ida Rogers, Austin Rogers, Sam Rogers, Tracye Zies, Deric Zies, Jerry Russell, Lane Adcock, Lucille Kopecki, Patricia Kopecki, Michael Kopecki, Henry J. Kopecki, | I oppose the Cibolo Valley Local Government Cooperation's Wilson County Carrizo project and ask that it be removed from the South Central Texas Regional Water Planning Group 2016 Initially Prepared Plan. This plan does not address: 1. The sustainable health of the Carrizo aquifer; 2. The effects of transfer of water on rural communities; 3. The rules of Evergreen Underground Water Conservation District; 4. The effect on agriculture in Wilson County; 5. The Modeled Available Groundwater for the aquifer; 6. The Desired Future Conditions of the aquifer; 7. Future water needs of Wilson County; 8. The environmental effects on Wilson County; 9. Mitigation for draw down of wells in the area; 10. The effects of the pipeline on residents, agriculture and the environment. I object to this project and urge its removal from the plan. |
| 7 | 279-306 | Robert Lott, Justine Gabrysch, Sandra Cannon, Shirley Bryan, Jay Day, Jerry Russell, Lane Adcock, Marty Mc McElhaney, Mr. & Mrs. Benny Azopardi, Sr., Rex & Ann Purchis, Mike & Janis Wenzel, W.L. Spille, James & Helen Noll, Priscilla Hastings, Terry West, Melody West, H. Alan Cravens, Daniel Siver, Lynn West, Irina Lawson, Justin West, Ray Johnson, Marie Shutt, John A. Shutt, Rory Hastings, Kristen Hastings, Tom Ortmann, | I oppose the Cibolo Valley Local Government Cooperation's Wilson County Carrizo project and ask that it be removed from the South Central Texas Regional Water Planning Group 2016 Initially Prepared Plan. Effective water planning for the future must include protection of the aquifer, realistic assessment of needs, and sufficient water for agriculture and the future growth of Wilson County. Environmental effects have not been studied, nor have the effects of water transport on rural communities and agriculture. |
| 8 | 307 | Norman McClure | Wilson County water is best used and conserved in Wilson County. I oppose Cibolo Valley Local Governments Corporation's proposal to pump water from the Carrizo aquifer in Wilson County and transfer it to Guadalupe and Bexar Counties. Please remove this proposal from the 2016 Region L Initially Prepared Plan. |

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| 9 | 308 | Heather Hansen | I oppose the Cibolo Valley Local Government Cooperation's Wilson County Carrizo project and ask that it be removed from the South Central Texas Regional Water Planning Group 2016 Initially Prepared Plan. Effective water planning for the future must include protection of the aquifer, realistic assessment of needs, and sufficient water for agriculture and the future growth of Wilson County. Environmental effects have not been studied, nor have the effects of water transport on rural communities and agriculture. Please remove the CVLGC Wilson County Carrizo project from the 2016 IPP. At some (probably near) future point in time, we in W.Co. will need to pull more water from our aquifer than we are currently pulling. I'd hate to find that the water is not there because it was sold to a group that does not need it & is only going to sell it to someone else. Thank you for your consideration of all the proposals inthe IPP & the time & effort you put into this work on our behalf. Please remove the CVLGC Plan. |
| 10 | 309 | Alamo Sierra Club submitted by Margaret Day | These comments include ours and fully support the HCA comments as well. 1) Accepting a 75% increase in regional population in just 50 years is unsustainable. A set of sustainable principles and criteria are needed to keep recommendations on track. 2) Recommended water projects are too many and not compared studiously or by broader risks and benefits. A guiding principle of net zero water would be ideal. 3) More conservation efforts could help the region reduce water needs by far more than the 22% goal. 4) We question the yield distribution of new sources and the limited study and innovation that went into these recommendations...the claim appears anecdotal, when it should be data driven. 5) Recommendations for groundwater sustainability (8.3.2.) are insufficient to prevent drawdown exceeding recharge, or the contiued mining and eventual depletion of Texas aquifers. The interconnectivity of surface and groundwater as a system ought to be another guiding principle. 6) The plans do not resolve conflicts between the rule of capture and GCD powers, in fact they allow the problems of over allocation, over use, and water wars to magnify. Section 8.9.3., 8.3.1 #5 and #6. Recent legislative changes in MAG guidelines are no scientific and predicted to increase drawdowns. 7) Environmental Benefits and Concerns, 6.7, is too limited and anecdotal, requiring more expansive analysis of costs and benefits. 8) Sharing groundwater resources among regions (8.3.3) included notification of those districts and provision of reports - an economic analysis of community impacts, instream flows, and bay and estuary systems incurred by movement of groundwater. The types of studies now recommended have not been provided (Vista Ridge and Forestar) and even if they were, should require more, such as public hearings. 9) Voluntary redistribution of water from rural and agricultural areas only requires the sellers to be compenstated but ignores, only a minute percent of landowners volunteered and are compensated, yet their water will be lost to them and they bear the impact. (i.e. Vista Ridge) 10) Vista Ridge is included and admits third-party negative economic impacts wil occur, these are not evaluated or addressed in the plan. 11) Environmental needs are not well addressed and not going to be met - see Texas Living Waters Project. We support: recommendation 8.10.4 (counties) and 8.7.5 (environmental studies). |
| 11 | 310 | Faye Taylor | Evergreen states opposition to Cibolo, Schertz water plan-As a Wilson County rancher and farm owner, I stand with Evergreen on this issue. We do not have enough information to know the long term effects of this. If Bexar County and any other counties have not planned well enough for their current and future needs, why should we as an outlying county provide for them? Who will provide for our needs if we run low on water? One thing we need to have learned from the prior years is we can never predict a drought or the duration of a drought and once that happens it can take a lot to recover. Just ask the people around Medina Lake. Why would 21 counties need to take water from one county? Did they not plan well for their own needs? |
| 12 | 311 | M. Diane Wilson | Carrizo for Cibolo Valley-This issue has come up before dealing with the City of San Antonio and Bexar County. Wilson County said NO then and it still stands at NO. Poor planning on Cibolo and Schertz part should not be a problem for us to solve. We are noted as one of the fasting {sic} growing counties in the state and we need to protect our own water supplies for our future needs. No,No and NO |
| 13 | 312 | Keevin Holcomb | SARA and Wilson County-We do not want water pumped from Wilson County to support Cibolo, and Schertz or any city's. (Kevin Holcomb with Essi Corp) |
| 14 | 313 | Sherman & Elaine Baker | No!!! Do not sell or give our water to San Antonio or anyone else!! They should have planned better many years ago. My husband and I have lived here for over 48 years and do not want to see our county robbed!! We vote NO, NO, NO!! |
| 15 | 314 | Barbara Hopson | Forestar Project Evaluated in Region L IPP-It makes no sense for Hays County to pay for a very expensive pipeline for Forestar from Lee County to Hays County--because at the most (in 2070), Forestar, under MAG projections, will be able to deliver only 16, 334 acft of Carrizo-Wilcox water per year--not the 45,000 acft/yr Hays County Commissioners Court is contracting with Forestar to deliver. Hays County Commissioners Court should cancel the contract with Forestart before the Oct. 1, 2015 renewal date. Forestar cannot deliver what they agreed to. Furthermore, as slowly as the Forester project is progressing, SAWS Vista Ridge pipeline, or another pipeline, will probably be in operation long before Forester can come online. Here is confirming information from the 2016 IPP for Region L: "The envisioned project size of 45,000 acft/yr of [Forestar] groundwater exceeds te remaining amount of water under the MAG for the Carrizo-Wilcox Aquifer in Lee County in every decade [2020-2070]...Accordingly, the size for the Hays County Project is 12,356 acft/yr in 2020, growing to 16,334 acft/yr by 2070" (From Region L 2016 IPP, Vol. 2, chapter 5, section 5.2.24.2--page 310). TWBD has told all the Regions not to recommend WMS which, in total, exceed the remaining available MAG for an area. We should not hook up with a company which would have to ignore MAG in order to fulfill its contract obligation to us. |
| 16 | 315 | Colin Mathews | Re: Cibolo Valley Project-Members, South Central Texas Regional Water Planning Group, Region L. Re: Cibolo Valley Project. I just read article in Wilson County News this AM (7016015) regarding the Cibolo Valley Project which is being proposed by a corporation owned by the cities of Schertz and Cibolo. If those two cities want to sell their water they should get on with it—their claim they need the additional water for local growth in Guadalupe and Bexar counties is just a little disingenuous. They should not be granted authority to rob water from Wilson County—they are selling what they feel they can get by without and they apparently believe they have the right to reach out and take water from Wilson County. If they need the water for development they should stop selling their water to the city of San Antonio. I believe the South Central Texas Regional Water Planning Group, Region L, should absolutely refuse to allow this to happen and should deny the authority to pull water from the Carrizo Aquifer system. The welfare of Wilson County residents should be paramount in this matter—not the fact those who are pushing the Cibolo Valley Project want another revenue source.Colin Matthews,12790 FM 775,Floresville, Texas 78114 |
| 17 | 316 | JC Hrubetz | I have been given your contact information as a party with San Antonio River Authority who is accepting input on the Region L Water Planning. As a landowner with agricultural production I am vehemently opposed to Carrizo, Wilcox or Carrizo-Wilcox aquifer waters being included in planning for San Antonio suburbs needs. The reason they (Cibilo-Schertz group) are looking for alternatives to fulfill their water needs is bad planning. WE in Wilson County don't with to be suffering the same fate when our kids are community leaders and land owners. For those reasons please note my objection to including Wilson county water for San Antonio Metropolis water needs planning! Sincerely, JC Hrubetz, GM/Controller,Freeman Coliseum & Expo Hall,210-226-1177 ph,210-860-4919 c,210-226-5081 f;www.freemancoliseum.com;www.freemanexpohall.com;"Building ilife memories is our Business" |
| 18 | 317 | Schertz-Seguín Local Government Corporation sent from R. Alan Cockerell/Bridget Gallegos-Guadalupe County Commissioner's Assitant submitted | Sent by R. Alan Cockerell---Submitted Resolution-A Resolution of the commissioners court of the county of Guadalupe ("County") supporting the Cibolo Valley Local Government Corporation's Water Development Project in Wilson County and Its inclusion in the Texas Water Development Board's South Central Texas (Region L) Regional Water Planning Area's Regional Water Pland. WHEREAS, the cities of Cibolo and Schertz, both located within the County, created the Cibolo Valley Local Government Corporation (CVLGC); and WHEREAS, CVLGC is charged with seeking new water development projects for the cities of Schertz and Cibolo; and WHEREAS CVLGC identified and is investigating the feasibility of a groundwater development project in Wilson County; and WHEREAS, the Wilson County Project is located within the planning area of the South Central Texas Regional Water Planning Area ("Region L") of the Texas Water Development Board; and WHEREAS, CVLGC has developed a plan to produce water out of the Carrizo/Wilcox formations in Wilson County for delivery to its members; and WHEREAS, CVLGC presented its projected project to Region L for inclusion in the planning group's 2016 Initially Prepared Plan to determine Potentially Feasible Water Management Strategies; and WHEREAS, Region L voted to include the CVLGC project for this purpose, and WHEREAS, the County supports the inclusion of the CVLGC project for all Region L planning purposes. NOW, THEREFORE, BE IT RESOLVED BY COUNTY OF GUADALUPE, TEXAS: Section 1. The recital contained in the preamble of this Resolution are determined to be true and correct and are hereby adopted as part of this Resolution. Section 2. This Resolution shall take effect immediately upon adoption hereof. PASSED AND APPROVED the 14th day of July, 2015. Signed: Kyle Kutscher, County Judge and Attest: Teresa Kiel, County Clerk |
| 19 | 318 | Texas Water Alliance submitted by Tom Koch | This letter is written on behalf of Texas Water Alliance, Limited ("TWA"). The purpose of tis letter is to request changes in the alignment of the Recommended TWA Regional Carrizo Project Pipeline that is included in the Intially Prepared Plan ("IPP) that was submitted to the Texas Water Development Board on May 1, 2015. The requested changes in alignment are necessary in order to convey TWA water to customers in Hays County that now comprise a portion of the TWA Water Demands in the IPP. There are six (6) attachments to this letter: Attachment #1 - Alignment of TWA Regional Pipeline in IPP. Attachment #2 - Recommended Changes to Description of TWA. Attachment #3 - Clarification of TWA Demands in Comal and Hays County Pipelines. Attachment #4 - Recommended Alignment of TWA and Hays County Pipeline Segments. Attachment #5 - Recommended Description of TWA Pipeline Segments. Attachment #6 - Recommended Description of Hays County Pipeline Segments. If you have any questions or need additional information please contact me at (830) 833-4133 or Mr. Mark Janay at (408) 621-9031 [Six attachments - eight pages - NOT hand delivered] |

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| 20 | 319 | Barbara Hopson | Subject: Region L: "Hays County Pipeline" into Wimberley--The 2016 Initially Prepared Plan (IPP) for Region L gives very little information about a WMS (water project) Region L is calling only the "Hays County Pipeline." The short discussion of this project hastens to say that it was included at the urging of "Hays County" (i.e., Will Conley, Hays County Commissioners Court's official representative to Region L).Unlike for most projects of Region L, there is no map shown for the route of the Hays County Pipeline, but there are two possible routes, designated only as "Option A" and "Option B." This will be a pipeline from San Marcos or Kyle to Wimberley. The costs for this mysterious pipeline are, predictably, horrendous. Hays Caldwell PUA (San Marcos, Kyle, Buda) and West Travis County PUA (Dripping Springs, Bee Cave) customers are struggling to pay the costs of their pipelines. Look at the cost of the Hays County Pipeline, both Options A and B: Size To Transport This No. Acre/Feet Per Year ProjectCost Annual Cost of Operation & Per Year Maintenance. Option A 19 miles, 36" diameter pipeline 15,314 \$49,026,000 \$6,080,000. Option B 18 miles, 36" diameter pipeline 15,314 \$52,174,000 \$6,535,000. Very Important Question: How many people will be struggling to pay the cost of this enormously expensive pipeline that will be only 18 or 19 miles long? Divide the number of people served in that relatively small area into \$49,026,000 or \$52,174,000 to find the per person cost to build the pipeline. Then those same few people will be paying over \$6 million dollars yearly for maintenance and operation on top of the construction costs. Plus the cost of the water itself, of course.I don't think Central Hays County wants, or can afford, this. Barbara Hopson,Wimberly |
| 21 | 320 | Bob & Marie McGahee | In March 2015 I attended a meeting in Stockdale regarding a proposed project by Cibolo Valley Local Government Corporation to pump water from the Carrizo Aquifer in Wilson County north to Bexar and Guadalupe counties. I oppose sending our Carrizo water north to be sold. I understand that The Wilson County Commissioners Court has passed a resolution in opposition to CVLGC 's project, as have other Wilson County cities, water providers and civic groups. I also stand in opposition to CVLGC's project. Respectfully,Robert J. McGahee,938 Wild Rose Lane,Stockdale, TX 78160, mrmcgahee@hughes.net |
| 22 | 321 | Barbara Hopson | Dear Members of Region K and Region L, Truly, there is very little in print about a Hays County Pipeline in the IPPs. There is no map to show the route of the pipeline. There is no indication of what entity will build the pipeline. This vague and incomplete pipeline plan seems to have been added to the Region K and L IPPs as a placeholder -- with unknown details to be added. Unusual and not a good idea!IN REGION L (San Marcos to Wimberley) Go to www.regionltexas.org Then click on "2016 Initially Prepared Plan" on the right, under "2016 Planning Cycle."Then click on "...Volume II."Click on "5.2.3 Facilities Expansion" on the sidebar at left.Enlarge to 125% for easier reading.Go to pp. 45-46 for "Hays County."Go to p.47 for costs. IN REGION K (Wimberley to Dripping Springs) Go to www.regionk.org . Click on "Region K Ch. 5, 2016 Plan IPP". Put cursor in middle bottom of screen. Pop-up will let you ask for a certain page. Hold "Shift" and "Control" and Press "N."Put in "95" for that page. You will see "5.2.4.3.1 Hays County Pipeline."Page 96 shows costs. Respectfully,Barbara Hopson,Wimberley. |
| 23 | 322 | Danny J. Williams | The purpose of the South Central Texas Regional Water Planning Group (SCTRWPG), Region L, is to provide is to provide comprehensive regional water planning. I live in the City of Schertz, located within the Region L planning area. In 2013, the City had a population of about 36, 000, a 13% increase over the 2010 decennial census. The water needs of the City of Schertz are projected to increase. In addition, the economic viability of the region depends upon having a safe and reliable source of drinking water. As President of the Berry Creek Homeowner's Association, comprising of approximately 120 homes, our residents are concerned with the continued growth and economic opportunities for the area. Water is a vital component of this continued growth. Thus, it is without question that new and economically feasible water resources must be developed. We are particularly supportive of the following projects: Cibolo Valley Local Government Corporation-approximately 10,000 ac-ft/yr in Wilson County; Expanded Carrizo Project for Schertz Seguin Local Government Corporation-6,500 ac-ft/yr of Carrizo/Wilcox in Guadalupe County; Brackish Wilcox for Schertz Seguin Local Government Corporation Project Expansion-5,000 ac-ft/yr Brackish Wilcox project in Gonzales County. The above plans are a win-win for all involved and were included in the Region L 2016 IPP. The Berry Creek Homeowner's Association supports the inclusion of the projects in the 2016 IPP. The plans should remain in the IPP unchanged. Inclusion of the projects in the plan will ensure a safe and reliable drinking water supply for a growing area in the State of Texas. |
| 24 | 323 | State Rep John Kuempel | As you know, the district encompasses counties within the South Central Texas Regional Water Planning Group (SCTRWPG), Region L and includes the City of Cibolo and portions of the City of Schertz. The communities of Cibolo and Schertz have proactively sought to develop new success of the region and the State of Texas. The cities have taken a cooperative and regional view of water development and created the Cibolo Valley Local Government Corporation to accomplish the goal. This type of regional planning is helpful and should be encouraged. Further, it is important to ensure the water resources are used responsibly. It is imperative that the state planning groups, like Region L, incorporate legitimate water needs into their Initially Prepared Plans in order to ensure the resources are properly planned. Region L has consistently placed in its plan projects that are considered "limited". Such inclusion is necessary for proper resource planning. I understand that Region L voted to include a project by Cibolo Valley Local Government Corporation in the 2016 Initially Prepared Plan and designated it as "limited". The planning process should be an open process that includes all viable projects in order to ensure that the State is properly planning for the future water needs of its residents. Because the planning process is a dynamic process that should strive for inclusion, the Cibolo Valley Local Government Corporation project should remain in the plan. I am more than happy to discuss this issue further should you have any questions or concerns. My door is always open if I may be of assistance in any way. |
| 25 | 324 | Jonah & Beulah Wilson | We object to any water leaving Wilson County. With our growth, wells that will be affected. We need our water. |
| 26 | 325 | South Central Texas Cattlemen's Board of Directors | The South Central Texas Chapter of Independent Cattlemen represents men and women involved in cattle production in Wilson, Bexar, Atascosa, and Frio counties. As landowners we are resource owners; as cattlemen we are dependent on water for our livestock and our livelihood. Agriculture provides the most basic and necessary of services to the population of this region and must be given consideration in water planning. The South Central Texas Regional Water Planning Group's 2016 Initially Prepared Plan ignores the needs of agriculture. The plan assumes that all other water users will have increased needs but agriculture will not. Increased population calls for increased production of food and fiber. All statistics in the plan pertaining to agriculture appear to be outdated, subject to question, or incorrect. We strongly object to Cibolo Valley Local Government Corporation's Wilson County Carrizo Project. This project is speculative, has questionable need, no immediate need and is extremely controversial. It would remove much needed water from the Carrizo Aquifer in Wilson County. We support the right of any landowner to lease water rights, as well as the right of his neighbor to protect himself from the abuse of the rule of capture by Wholesale Water Providers who transport water out of our rural communities. As resource owners we are concerned for the health and sustainability of our aquifers. The IPP includes proposals that clearly exceed the Desired Future Conditions. Projects that have Zero firm yield or exceed the DFC should be removed from the IPP. The Texas Water Code recognizes agriculture as an important stakeholder in water planning. The SCTRWP/Region L assigns 3 seats for agriculture. One of the agriculture seats has been vacant for a part of this planning cycle. Another agriculture seat is held by Alan Cockrell, General Manager of Schertz Seguin Local Government Corporation and the Executive Director of Cibolo Valley Local Government Corporation. Both of these entities have proposed projects in the Region L 2016 Initially Prepared Plan. We find this conflict of interest has contributed to a plan that ignores the needs of agriculture. In strongest terms, we urge removal of this individual immediately, prior to any vote on this plan, and his replacement with a qualified agricultural producer. In short, we find that 2016 IPP does not meet the statutory criteria for long and short term water planning in South Central Texas. The plan fails to protect agriculture, rural communities, and the region's water resources. South Central Texas Independent Cattlemen's Board of Directors: Brad Cotton, President-Gus Gonzalez, Vice President-Susan Gonzalez, Secretary-A.L. "Windy" Miller, Treasurer Directors: Laurie Miller, Richard Jackson, Pat Kuykendall, Alton Kuykendall, Marshall Livingston, Larry Wiley, Gary West, Kristie West, Bryan Mills, and Dr. Glen Tate. |

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| 27 | 326 | Diane Duesterhoeft | <p>Good evening. My name is Diane Duesterhoeft. I'm the co-coordinator of the San Antonio Interfaith Power and Light Organization, which is the interfaith environmental group. My comments that several of my colleagues and I will be presenting this evening are the result of a public water captains workshop that was jointly sponsored by the Texas Interfaith Center on public policy and San Antonio Interfaith Power and Light that was held on including to Region L members who discussed various aspects of water and water planning in Region L. The workshop was made possible by funding from the Meadows Center for Water in the Environmental in San Marcos., through a grant from the SWIFT Programs at the Texas Water Development Board, for which we are very grateful. Subsequent white-paper planning sessions occurred on May 21st and June 6th in San Antonio and input has been provided via e-mail by those who attended the workshop. Some of these comments are specific to Region L and some apply to the entire state. As people of faith, we believe that everyone has a right to safe and plentiful water. This right was affirmed by the United Nations General Assembly in 2010 in stating that the human right to water is prerequisite for the realization of other human rights. The United Nations defines the right to water as the right of everyone to sufficient safe, acceptable and physically accessible and affordable water for personal and domestic uses. As people of faith, we believe there is a moral responsibility for the Region L and Texas water plans to be driven above all by the needs for sustainable, equity and preservation of the environment. In 1987, the United Nations Brundland Commission defined sustainability as meeting the needs of the present without compromising the ability of future generations to meet their own needs. According to the United Nations Development Program's human development report of 2011, sustainability is inextricably linked to basic questions of equity; that is, fairness, social justice and greater access to a better quality of life. Sustainability is not mutually exclusive to growth and development. People tend to equate growth with jobs, but growth presents many demands on utility infrastructure which may not correspond directly to creation of jobs. There will be growth and development in Texas even if no one moves here due to births of people already here. Indeed, according to the City of San Antonio Planning Office, more than 50 percent of San Antonio's growth during the past ten years has been due to births, not influx. So the critical question is not if there will be growth and development, but how can they be sustainable and equitable, even for the most marginalized groups of people and wildlife. The current water planning process is based solely on an economic formula projected worst-case supply and demand among different stakeholders. It would be more equitable if it addressed the triple bottom line. The three-legged stool of concern for people, especially the disadvantaged, the economy and the environment.</p> |
| 28 | 327 | Rachel Cywinski | <p>Hello. My name is Rachel Cywinski. I'm also here with the Texas Interfaith Center for Public Policy and the water captains group in San Antonio. I was privileged to attend the Region L Meeting at which they approved the IPP and, once again, want to commend all the members. I was just very impressed with the time and the concern that they showed in their deliberations and just how much time they have spent and really are very aware of all the issues in trying to do what's best for the region. I grew up in west Texas. Not the town of West, but the geographic region of west Texas and my father was a research scientist and my parents were very science oriented. And so, at our house, if you wore clothes or used a towel one day, you washed it, you flushed the toilet every time you used it, but when I went to my friends' houses, I would always be told, Only our parents are allowed to flush the toilet. And with one of my—my best friend, in fact, had an older brother who, whenever I would go spend the night over there, he would run into the restroom and use the restroom if he thought one of use was headed to the restroom because he didn't want to have to use the restroom after us and weren't allowed to flush the toilet. So—And if you had to urinate, you had one toilet to use, if you had to do something else, you had to go to another one. And one time I just got a little upset with the brother and I thought, Well, I'm just going to flush the toilet before I use it anyhow. The next day my friend said, my father said you can only flush the toilet at night and we can't waste water. And I have to say, also, when I would go visit my cousins by the Great Lakes, once again, they said, Why do you people in Texas take a shower every day? That's just too much water. So we may think we conserve a lot, but we can always conserve more. Conservation is the least expensive and most rapid way to provide more water. Yet there are wide variations in per-capita water usage across Region L. We support the best management practices from municipal conservation in the South Central Texas Region L Water Plan 2016 Initially Prepared Plan, but feel the timetable for meeting the goal at 140 gallons per capita day, GPCD, should be more aggressive. Conservation goals should also be subdivided into uses. As the water delivery infrastructure is rebuilt, different meters could be installed to monitor different uses such as household and lawn irrigation. Other municipal water districts should be encouraged to develop and implement effective conservation programs such as those that have been developed and are in use by San Antonio Water System. Municipal water districts should also be encouraged to develop zero discharge as reclamation of waste water as a conservation measure to repair leaks which result in non-revenue water in near distribution lines and to incentivize individual rainwater harvesting and reuse of gray water, especially in new developments. Downstream protection is very important. While reuse of treated wastewater, zero discharge policy, is an effective local conservation measure, it does not provide for downstream water. Whenever a community wants to implement zero discharge, it needs to do this in consideration with others in that region and the potential effects of people and wildlife downstream. And, indeed, I heard during the Region L meeting, that this is the first time that the rights of downstream users are not able to be included in the plan because it's no longer considered feasible. So I know that will be addressed in the future and we are -- as people of faith, we are very concerned about the right for everyone to have water. For surface water, withdrawal rights sustainability should be accounted for in terms of total possible river flow. Thank you.</p> |
| 29 | 328 | Jeanna Stephens | <p>Hello. I'm Jeanna Stephens, and I'm also from the San Antonio Power and Light and I would like to speak about sustainable and equitable landscaping. Urban agriculture and edible landscaping, which use less water than turf grass, should be encouraged. The San Antonio Food Policy Council and more people representing environmental and minority interests should be on the Region L planning council. Conventional wisdom had minimized the importance of containment -- of contaminant transfer in the Edwards Aquifer, but a recent study by the USGS found agricultural chemical contaminants to be present and that they may be transported in as little as two years, in a report by Martha L. Ja-J-a-g-e-c-k-i, Mary Lyon Musgrove, Richard L. Lindgren, Lynn Qualquist and Sandra M. Ebberts, 2011. The USGS Fact Sheet 2011-23142, "Assessing the Vulnerability of Public Supply Wells to Contamination Edwards Aquifer near San Antonio, Texas."Agricultural chemicals are applied at higher rates in urban than in rural areas and urban streams tend to be more polluted. This is from a report by Wesley L.M. Stone, Robert G. Gillam and Jeffrey D. Martin, 2014 U.S. -- United States Geological Survey Scientific Investigation Report 2014-5154, "An Overview Comparing Results from Two Decades on Monitoring for Pesticides in the Nation's Streams and Rivers, 1992 to 2001 and 2002 to 2011. In the publications of the USGS governments -- SUR 2014 5154, education programs on proper use for agricultural chemicals, pesticides and fertilizers and organic gardening for home gardeners would be helpful in preventing pollution as well as natural means of pest control. And I happened to look on a refrigerator -- my refrigerator before leaving, and I found some -- a group that had been very helpful to us at the Master Gardeners of San Antonio had presented workshops on -- on mulching at my church and they are quite willing and helpful to present programs of this nature. Thank you.</p> |

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| 30 | 329 | Betty Dabney | <p>Good evening, Commissioners and ladies and gentleman. Just to tell you a little bit about myself, San Antonio is my hometown. I was on the founding faculty of Texas A&M’s School of Rural Public Health and Environmental Health and I was founding of the Environmental Health in the University of Maryland School of Public Health in College Park. In Maryland, I was on the Governor’s Commission on Environmental Justice and Sustainable Communities. Since retiring, I’ve moved back to San Antonio where I’ve taught in UTSA’s Urban and regional Planning Program. I’ve also done some consulting work with the Edwards Aquifer Authority that involved discovering and digitizing all the technical studies they have ever done including all of the south central region water plans going all the way back to the TransTexas water plans. I would venture to say that I’m the only person in this room who has looked at every page of every south central Texas water plan, which is not to say I’ve read every page. I’m going to talk about sustainability, transparency, accountability and security in our water planning. The TWDB and the Region L Planning Commission need to be explicit in how they arrive at the number for the plans. For example, is the 140 gallons per capita per day for residential and commercial water use in Region L and average for all users? If so, it would be skewed by the few highest users. And where do the population projections come from that the TWDB provides to the regions? Are all municipalities developing their plans using the same figures? The source and methods used to derive the projections of demand and use should be transparent. We want transparent truthful costs of water in terms of society, economics and business, environment and social aspects and for these costs to be sustainable over time. Water providers may not always know the costs, but better cooperation among government entities may help. Municipalities and water providers should provide breakdowns of all costs for proposed new projects including the costs of energy transfers and associated increased water use for power generations. All regional and state water plans should be required to balance projected uses and projected availability; in other words, to achieve sustainability. And I’d like to speak to that in lieu - - in view of the figures that Brian presented to us tonight. As shown in the WG category summary of Appendix A, the projected water deficit for the entire Region L ranges from 207, 115 acre-feet per year in 2020 to 494,468 in 2070. More than the entire projected usage of Bexar County in 2070 and twice as much as Brian mentioned in his presentation tonight. I will look into the possible sources for this discrepancy and encourage Brian to do so, as well, because this is a very large and important discrepancy. So much so that all the proposed projects would bot be able to make up for the shortfall of water. Communities need to be held more accountable for water conservation goals. When they apply for SWIFT-funded projects, the implementation of their water conservation goals should be a consideration of SWIFT eligibility criteria weighted towards receiving more points for successful implementation. We understand that the evaluation of implantation will depend on better recordkeeping and accountability at a local level and should be built into the planning process. We support the development of a model industrial mining water conservation plan mentioned in the IPP for - - by the Texas Commission on Environmental Quality. Water usage for fracking should not be exempt from conservation or rationing measures applied to other uses. We recommend a statewide study of water and water transfer costs. Implementation of new and even experimental technologies such as large-scale condensation of water from air should be actively encouraged by the SWIFT program. Insofar as possible, public water districts should use only the water in their watershed commonwealth. All aquifer levels should be monitored and published online for public access. Notably, the failure to public levels of Carrizo-Wilcox Aquifer makes it impossible to determine how hydraulic fracturing, or fracking, will affect the water supply in that area or how the proposed MAG projects might impact the levels of the aquifer. Intercounty transfer of water from agricultural to urban regions should be discouraged because the rural areas may need the water for growing food. I’ll come to that in a second. New surface reservoirs, which are more susceptible to airborne and waterborne contamination and terrorism, should be discouraged in favor of secure underground storage. Existing systems should have higher priority for access to water than new ones. All new commercial and residential developments should be required to specify where the water to support them will come from and there should be oversights to insure that designation of water supplies is not duplicated among developments. If there is insufficient water, in worst-case scenario, the development should not be approved. New development should be required to adopt best management practices, including native plants and landscaping and elimination of irrigation systems. The cost of providing new infrastructure to deliver water and waste water to new developments should be borne by the developments themselves and not by existing users. Preservation of land in environmental sensitive areas from development is critical to sustainability of water quality and quantity and state funds should be available for conservation easements. And I’ll just say that one point that has not - - In closing, one point that has not been considered in the plan is that California is on the brink of running out of water within a year and if this happens, the burden of raising food for the country - - more of the burden will fall to other states, including Texas. This could be a game changer in our planning scenario. So we would be happy to implement you - - to help you in implementing any or all of these ideas and, as people of faith, we’re not here to share our religion with you. Instead, we are here because we have faith in the process. Region L and Texas water plans can make significant contributions to the sustainability and the equality of access to water on our state for all Texas, human and wild. Thank you very much for the opportunity to make these comments.</p> |
| 31 | 330 | Charlie Flatten | <p>Good evening, Mr. Chairman and members of the Region L planning group. My name is Charlie Flatten and I’m with the Hill Country Alliance. Usually in here it’s polar, but tonight it’s not. It’s warm. Thank you for the opportunity to – to let me make comments on this new draft plan. The Region L water planning group play a critical role in our state’s water planning process and Hill Country Alliance is appreciative of the huge effort that is involved in drafting these initially prepared plans. Our comments reflect a collective vision of our Hill Country supports, stakeholders, businesses, elected officials for the state water plan that recognizes the need to project long-term spring flow, healthy water catchment areas and sustained groundwater resources for current and future generations. Our written comments will include broad recommendation for the implement, improvement of the Region L planning process, specific policy recommendations drawn from policies outlined in Chapter 8 of the IPP, recommendation for additional study and research from that same chapter and comments on specific water management strategies in Chapter 5. In the interest of time, I will only address the broad recommendations. Only by constant - - constantly seeking to improve the regional water planning process can we assure that the state water plan continue to improve in its ability to insure water supply for future generations. In order to provide water for future generations, Hill Country Alliance recommends the Region L adopt and apply a set of guiding principles that will serve as a blueprint for long-term water sustainability. As an example, I would say the economy and land values of Texas depend on meeting its water needs in a way that does no harm or depletion of river, streams, springs and aquifers. Number two, costly California – style outdated infrastructure. Intensive waste management strategies need to be minimized in favor of innovative, localized and modern neutral solutions that have been proven around the country. Region L should prioritize and encourage these centralized systems and new technologies that use and reuse water in place. Number three, additional definitions needed for water management strategies. The reason the state water plan in being criticized as less a planning document and more a wish list beset with duplicative and expensive overplanning. Better definition of water management strategy categories will control the redundant and exceedingly lengthy lists. We recommend a two-tier system of water management strategy characterization. We think it needs to be revisited and strengthened in such a way that recommended strategies promote healthy sustainable watersheds, fulfill all of the water board’s - - the state water board’s minimum criteria and are not duplicated by a similar strategy that would fulfill the same need. Possible the alternate strategy category could be reserved for those strategies that are implemented or do not fulfill the water board’s minimum criteria. Number five, Region L planning consulting firm. The consulting firm is excellent and provides a valuable service in the planning process, however, to avoid the perception or temptation of conflicts of interest in Region L, like other agencies, should create and ad a conflict-of-interest policy. Region L specifies many policy recommendations that AC—HCA supports. We would like to commend Region L for the inclusion of these policies and encourage their adoption as part of the Region L water plan. Our thorough comments will be forthcoming written. Thank you all for your consideration.</p> |
| 32 | 331 | Diane Savage | <p>Good evening. I’m Diane Savage. I’m a citizen of Wilson County and a member of the Evergreen Underground Water Conservation Board and a member of the Region L board representing Groundwater Management Area 13, I have to express some real concerns and objections to the Cibolo Valley Local Government Carrizo Project, which is number 5.2.14. in the IPP. The GMAs have been working diligently for years in accordance with the legislative dictates to develop desired future conditions, or DFCs, and the amounts of managed available groundwater. Or the MAGS, in order to protect and manage groundwater resources for all the citizens in the State of Texas. And here is a project proposed for the planned which is proposed with a zero firm yield and limits way over the DFCs and the MAGS all for needs that don’t even start before 2030 and are minimal at best. And yet no one has even considered any other solution rather than taking 10,000 acre feet a year from the Carrizo Aquifer in Wilson County beginning in eight years or so? Strange. At the last region L meeting, Con assured the board members that we would have time to replace this project with a more reasonable water management strategy to meet the needs for Cibolo and Schertz which would not be at the expense of agriculture and groundwater sustainability. Thank you.</p> |
| 33 | 332 | Kay Love | <p>Thank you for the opportunity to comment on the 2016 Initially Prepared Plan. My name is Kay Love. I’m a resident of Wilson County. I’m a landowner and an agricultural producer. The plans seem to regard property rights as a protection of the landowner’s right to sell or lease groundwater. However, this plan promotes the abuse of the right-of-capture by wholesale water providers and encourages the overdraft of aquifers to the detriment of groundwater sustainability. The plan includes numerous projects, six from Wilson County, that transport rural water, yet it fails to evaluate the effect of redistribution of water from rural and agricultural areas. I urge the removal of all proposed projects from the plan that are MAG-limited, do not meet the DFCs or include water transport from rural counties and, particularly, Wilson County. I strongly object to Cibolo Valley Local Government Corporation’s Wilson County Carrizo project. This is a water transport plan for a wholesale water provider that is speculative, controversial, MAG-limited, opposed by the Wilson County Commissioners’ Court, backed by questionable need figures, has questionable funding, and is a challenge to the Evergreen Underground Water Conservation District. This challenge to the Evergreen is a door-opener to Wilson County’s water. Inclusion of this project in the plan is an invitation to controversy and litigation. The history of this project does not reflect well on the Region L planning process. Without changes, this plan is inconsistent with the law and with the long-term protection of the state’s water resources, agricultural resources and natural resources. Thank you.</p> |

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| 34 | 333 | Ellen Berky | <p>Hello. My name is Ellen Berky, and I have resided in Bexar County and been a ten-year customer of the San Antonio Water System since 1972. I would like to share selected portions of the legislative policy report prepared by Texas Impact entitled, “Their Own Vines and Fig Trees, a Security Agenda for all Texas.” I would also like to encourage the Texas Water Development Board to begin to dialogue with the Texas Public Utilities Commission regarding improving the quality of water regulation in Texas. I first encouraged Texas Impact and its sister organization, the Texas Interface Center for Public Policy, when I was invited to join a group of United Methodist women who converged on their state legislature - legislature some years ago and, recently, I revisited the website of Texas Impact when I became involved with the water captains project you’ve been hearing about from some other folks who have spoken before me. Since the internet became such a useful tool, Texas Impact has become even more effective at grassroots water education among the general public. Her is what Vines and Fig Trees had to say to the Texas Legislature in 2015: Texas is fortunate to have a public water planning process. In 1997 Texas implemented a locally-focused grassroots approach to water planning giving substantive responsibility to 16 regional water planning groups must have representation from environmental groups, municipal utilities and small businesses, as well as industrial and agricultural stakeholders. Whatever strategies Texas implements for conserving and developing water resources will begin as regional proposals approved by these teams of stakeholders. Hello? Texas Impact is talking about you. Texas Water Development Board, you’re the ones who initiate regional proposals for conserving and developing water resources. Well, there’s more. Texas went - - Impact went on to describe some legislative mandates passed in 2013 here in Texas. Lawmakers moved water rate making to the Public Utility Commission in 2013. Having recently made sweeping changes to Texas water management policies, the legislature will need to evaluate the implementation process so far and make any necessary adjustments. Presumably in 2015, which we’ve seen didn’t necessarily happen. So Texas Impact was interested in having the 2015 Legislature explore the implementation challenge of water conservation in the context of utility rate setting and goes on to say, The rate-making process does not interact with the water planning process. So stakeholders in the planning process may not have a way to even discover how alternative scenarios could impact rate payers. Likewise, water rate-making is generally disconnected from broader environmental impacts. Lack of connection between the water planning process and the water rate-making process could lead to incoherent planning, especially in the are of conservation. Well, incoherent planning. What? God forbid. Well, I don’t know whether our legislators concern themselves much with the topics of water conservation this year let alone its interrelationship to rate setting in the recently concluded session. It did get my attention, though. I had attended a San Antonio Water System rate advisory committee meeting in March and sat in fascinated horror as the SAWS controller explained the overall rate increases in store for San Antonio Water System consumers in 2016, 2017, 2018, 2019 and 2020. Then, in May, I looked at SAWS’ quarterly report at another public meeting and understood that San Antonians are getting so goof at water conservation that our public water system is going to have increasingly capital-intensive budget. For your information, except, of course for Mr. Robert Puente, San Antonio just implemented a water rate increase totaling over 10 percent by the end of 2014. This was even before SAWS factored in a \$3.4 billion multi-regional pipeline project to transfer water from another region. I don’t want to just pick on SAWS because this is a regional water planning group we’re talking about, so I’d like to ask the Guadalupe Blanco River Authority why the approval of your multi-billion dollar saltwater desalination project in 2014 reduced the new strategies for conservation percentage for the whole region from 15.5 to 13.7 percent. And. Alternatively, what is the rate increase which will be passed onto your Guadalupe Blanco consumers to pay for this saltwater desalination project? Getting back to Vines and Fig Trees, Texas Impact concludes its report with a number of recommendations for legislators and their appointed stewards like your good selves. Quote, Conservation programs should honor the capacity of every Texas, and even very small or disadvantaged consumers, to be part of a collective strategy. Water rates should reflect these priorities and rate payer incentives should be part of the conservation planning process. You all - - Yeah. I’m almost done. You all should set clear priorities for water conservation planning and make clear connections between water rates and water conservation. And ensure that affordable water is available to all Texas and prevent water from becoming a speculative commodity. Thank you for the opportunity to speak.</p> |
| 35 | 334 | Carol Peters | <p>I’m Carol Peters. I live and own a business in Caldwell County. I wanted to thank everyone that I’ve listened to so far for all the valuable and much information that I’ve already learned. Thank you very much. Let’s see, my understanding is that the Region L 2016 IPP includes a water pipeline that will go through our county moving Caldwell County water elsewhere. I understand that all Texans need to share the water that we have in the state and I’m willing to do that. Sharing our water, water lines and land for new lines in Caldwell County, I’m probably okay with. I know that what we need to do. As long as strict conservation is being used at the end of the lines and as long as we, in Caldwell County, with growing population options and needs, are able to tap into the lines to access the water we need first before we send it onto others. And at a reasonable price. Thank you.</p> |
| 36 | 335 | Kamala Platt | <p>I didn’t actually intend to comment this evening, but my experience today compelled me to go ahead and sign up, particularly since I told my neighbors that I was coming to a meeting at the SAWS building here and I would - - I would let others know what was happening on my street. Just to summarize what my - - a little story that follows is about, I’m concerned that we need water infrastructure and we need to look at the water infrastructure problems and the effects of human activities such as fracking and climate change on water distribution needs throughout this Region L before pumping water from the northeast and then selling it to California bottling companies. But, anyway, I wanted to tell you I went out - - I’ve been proud that my - -yard, which I’ve built up with a lot of good soil, good plants and mulch and rain barrels had absolutely no run-off, even during the heaviest of the rains this last month. So it was really shocking when I went out this morning before 8 a.m. and saw water running down my street. I saw that it was coming from a - - from the main line a couple springs near the bus stop about two blocks - - two houses down from my house. This is the third or fourth time I had - - or another time I was told that it was happening all over town. I called SAWS and was told that the problem had been reported and that they would be out to look at it. Each time I went out for subsequent hours, water was still running. Nothing had been done. About 5 p.m., I went down and saw that SAWS had come by and painted on the street and put out flags and a sign. I talked to my neighbor who’s - - who was right next to that bus stop, my next door neighbor, and he said he had called in the early afternoon, waited 20 minutes to make his - - his comment that the water was still running. His mother was concerned, had asked him to stay on the line because she as concerned that, like other times, we would be - - we would get - - the water would register on our - - on our water bills even though it was mainline water and we were not using it. It was going down in the drainage. As I was coming, then, to a meeting previous to this, I saw as similar water issue at Babcock and - - around Glendale, I think it was, in the afternoon. So I’m concerned that there were actual multiple issues that some of this is - - the last time it happened, they said it was because of the drought. I don’t think that’s the issue now. I’m just concerned about our infrastructure, I’m concerned that we’re not paying attention to then needs that we have and, like was mentioned previously, with the - - I did participate in some of the water-planning sessions and we need that triple - - triple bottom line that is going to help us all and including especially the people who are ending up paying the most percentage-wise, which is the low-income communities like where I live, and then waiting nine hours plus to get any attention to water running down, and that’s water that we’re all paying for. So thank you.</p> |

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| 37 | 336 | Russell Labus | <p>Good evening. My name is Russell Labus. I'm the general manager of the Evergreen Underground Water Conservation District. Our district is located south of San Antonio. We cover all of Karnes, Wilson, Atascosa, Frio Counties. As Mr. Mim's mentioned, I'm also a member of the Region L water planning group representing the water districts. But I'm here this evening to speak on behalf of the Evergreen District and the citizens and landowners of Wilson County, specifically, to voice opposition to the approval of the Cibolo Valley Local Government Corporation (CVLGC) Project in the Region L water plan. This project is a 10,000 acre-foot Carrizo project with the well field being in Wilson County for water transport out of our district into the Cibolo-Schertz area. Groundwater conservation districts (GCDs) are charged by the Texas Legislature in Chapter 36 of the Texas Water Code to conserve, preserve, protect and prevent the waste of groundwater resources within their districts. This is to assure adequate future water supplies for the constituents of the district. One of the biggest challenges that groundwater conservation districts face is achieving a delicate balance between conservation and preservation and optimizing groundwater production for the benefit of all constituents of the district. One of my biggest concerns on the approval of a project of this magnitude in the plan is that, to my knowledge, there's not been any adequate scientific studies nor has there been any groundwater modeling by an outside technical consultant to determine just what effect that large-scale project such as this would have on the Carrizo Aquifer locally, either in terms of water quality and/or water drawdown levels over a time as this quantity of water is produced on a continual basis. Neither has the issue of mitigation of surrounding wells that will be impacted by this project been addressed. But yet the project is moving forward as we speak, at least on a preliminary basis, in terms of land and water rights acquisitions and pipeline easements, but according to the projections in the IPP--the initially prepared plan--additional water demands for the Cibolo-Schertz area is not expected until somewhere around the year 2030, or about 15 years from now. It is my fear that inclusion of this project in the Region L plan would be used as a leverage to push the project forward regardless of whether or not it would be detrimental to the citizens, landowners and municipalities of Wilson County. I feel that there is still adequate time in the next round on planning to conduct those studies and address the issue in the proper manner. Section 5.2.14.5 addresses some implementation issues related with this project. And I'm going to go ahead and just read some of this verbatim. I won't read the whole section, but I'll just include some of the high points here. One of the—It says, The implementation of the Cibolo Valley Local Government Corporation-Carrizo Project could involve conflicts with other water supplies plans as they will be competing for limited groundwater supplies within Wilson County and the Evergreen Groundwater Conservation District. Because the district's permitting process is independent of the regional planning process, potentially competing groundwater management strategies are not prioritized. It goes on to say, a little bit further down, and this is under the Evergreen Conservation District bullet point permit—for permits. It says, the development of groundwater in the Carrizo-Wilcox Aquifer in the south Texas water-planning region must address several issues. Major issues include analysis of pumping impacts on groundwater levels, mitigation of impacts on existing well owners, drought and water conservation plans and needs assessment of the receiving water utilities. Couple of other bullet points here in the—in the plan. It says, Impacts on endangered and threatened species, water levels in the aquifer include dewatering of the current artesian part of the aquifer, base low in streams and wetlands. Couple of other bullet points: Competition with others in the area for groundwater and regulations by the Evergreen Water District including periodic renewal of permits and potential pumping reductions. As I believe it was pointed out, this project is a zero firm yield MAG-limited project. According to the pumping numbers that my staff has compiled for 2014, agricultural pumping was the largest water user in the district representing about 64 percent of the total pumpage of Wilson County. Public water supply was at about 32 percent and public water supply not only includes municipalities, it also includes the rural water supply corporation that supply water to the outlying rural areas. Oil and gas water usage for the oil and gas industry represented about 4 percent of that local number. Wilson County will continue to grow as the population of San Antonio grows and people push outward into the surrounding counties, suburbs and small towns. We've already seen that occurring in towns such as La Vernia, Floresville and Stockdale. Municipal water usage in these towns as well as the existing rural water supply corporations have increased in the range of about 18 to 23 percent since the year 2010. The towns of Poth and Falls City, although a little bit further out from the location of this project, also rely on Carrizo water for their municipal supply and they have also shown growth. And even though the Eagle Ford Shale activity has slowed somewhat in the last six months or so, I would expect that to be somewhat temporary and to eventually pick back up, although it might not quite get to the level it was a year or two ago. But, nevertheless, it's going to still continue to place increasing water demands on the district, both in terms of oil and gas production and Eagle Ford workforce population increases. The I-35 corridor between San Antonio and Austin is no doubt on of the fastest growing areas of our state, if not, the nation. However, I respectfully encourage and request the Cibolo Valley Local Government Corporation to explore other water supply options to bring to the table and that, a minimum, do some adequate upfront scientific studies and groundwater modeling before moving forward and having a detrimental impact on the citizens of Wilson County and to our agricultural industries that are present within our county. Thank you for allowing me to speak.</p> |
| 38 | 337 | Judge Dickie Jackson | <p>Hello. I'm Dickie Jackson. I am the County Judge of Wilson County and I am not here as an individual. Will the people in my group please stand up? (Complying) We came to represent Wilson County. Thank you. Okay. I'm here in support of Wilson County and our water. Wilson County is a rural county. Only 20 percent of our population lives in urban areas. We are a rural county, but a growing county. Our most densely populated areas are within a few miles of Bexar County. This area is mostly subdivisions. These people depend on rural water supply corporation for their water. Wilson County is the 16th fastest-growing county in the state. We are planning for that growth and we need our water. The southern part of our county is more agricultural. We have people raising peanuts, watermelons, corn, cotton and other rural crops along with ranchers raising cattle. The ranchers use water to water their livestock and for growing grass, grains and hay to feed their cattle. The farmers needs to grow—need water to grow their crops, the farmers and ranchers exist from selling their products they produce and we, as consumers, use these products to exist. With drought effects this other parts of our nation, Texas will have to help bear the large burden of feeding America. Wilson County, with this water, is a part of the solution. Your 2016 South Texas Region L Water Plan includes a number of maps that illustrate the impact of this plan of Wilson County. There is no map that illustrates how these plans overlap. There are six proposed projects that affect Wilson County directly and others directly adjacent to Wilson County lines. I ask that all plans affecting Wilson County be deleted from the 2016 plan. The Cibolo Valley Local Government Corporation's proposed project is a particularly unpopular and unworkable plan that pits a wholesale water provider against Wilson County and the Evergreen Underground Water District. The Cibolo Valley Local Government corporation project is inconsistent with the long-term protection of the state's water resources. The 2016 Initially Prepared Plan does not address the effect of water transportation to rural areas and communities as is required to do so by law. This affects the adequately studied and included in the planning documents. The protection of underground water sustainability begins at he county level and I, specifically, encourage the recommendation in Section 8.3.2 that county officials be notified when projects are submitted to the planning process. The inclusion of overlapping plans and the obvious challenges to the Evergreen Underground Water Conservation District rules strictly impact Wilson County and will place Wilson County in an unwelcome controversy. My goal is to keep Wilson County's water safe and in Wilson County, and I ask you to exclude all water—our water from all proposed plans, more especially, the Cibolo Valley Local Government Corporation's Carrizo Project.</p> |

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| 39 | 338 | John Larrison | <p>Good evening, everyone. My name, again, is John Larrison. I am and have been the president of SS Water for the past 18 years. We have done considerable planning. I'm not going to waste a lot of your time with details. First of all, I'd like to second the comments from Evergreen and our judge. We are SS Water in the northern part of the county, where most of the people locate. We will be the ones impacted by some of the stuff you've heard and I will give you an overview and Herb Williams, following me, he has some specific details for those that like numbers because he has been the prime mover in our planning. Let's see, our concern, again, is not here and now, as you've heard before. They're not looking for this water for a few years out. That is probably the same time we will be looking for that same water. If it's in the plan and --and already taken, right now we could go down to Evergreen and probably get a permit for an additional well or two for the next few years without any trouble at all. The day will come when we do that and they'll say, I'm sorry, we're tapped out, because these agencies like the Schertz-Cibolo thing already have that water and they're not going to give it back, at a reasonable price, anyway. So our concern really is out--and it has been for years--the long-term impact. Fifteen, 20, 30 years out there, which is what Region L should be concerned about, not just solving the immediate problems. We base a lot of this on the fact that we see more and more people looking, trying to get the water out of Wilson County. It's there. There's no doubt about it. There's plenty of water right there now, but it's going to get used up at a great rate. As we mentioned earlier, the GAM mentioned, the future conditions. When that aquifer does start getting drawn down, if you look at the maps, the horizontal maps, the Carrizo slopes up. We are on that up slope. Herb can give you some actual numbers. That aquifer starts going down, which the GAM and future conditions show that it will already without adding all this stuff, we will be the first ones dewatered. And I know people say, well, you can lower your pumps. There is a bottom. There is a bottom to that aquifer, folks. You can only go so far. So we really hope that Region L will put some real emphasis on the long-term planning out 15, 20, 30 years, which they should, and not solve today's problems today. We are concerned about some of the population numbers we get. Every year we get requests from Region L to give them our population estimates, which we just don't pull out of thin air. We look around, we check everything we can from the state and we actually have one of our subcontracts offer a type of program that did an estimate of our population growth. It is higher than what we keep getting out of Region L and I know the Texas Water Development Board is probably your driver, but it's still---we're going to need more water than what you think we need. So--And our long-range planning. We don't do a five, 10, 15-year increment. We did an engineering study to where we build out the whole CCM. If this great influx of people come and every available spot within our CCM that is buildable gets built on, what would we need to support them? 'Cause we don't know where the next development's going to go. So wherever it goes, we have a plan to supply that with pipes, wells, storage tanks and so forth. So we are doing our planning. I've already mentioned the GAM, which Herb will give you some numbers on that. That fact that we're in the up slope, the last GAM meetings we attended when they were working these future conditions, it appeared to me that they use an overall average for Wilson County or even Evergreen. One size does not fit all. Just doesn't work. You know, Stockdale, Floresville, can take a bigger drop than we can. We'll be out of water before they--before they run out of water. And that's our concern. And as you've heard, most of the people--a large number of the people live up in our area. About 1,500 families in our CCM. Got 5,000 or more connections. So, like I said, we're really concerned about --have been for the last ten years or more. What's going to happen out there in 10, 30 years? Now, I and most of the board members won't even be around when that happens, which really disturbs me, too, because I see it in politics. When the stuff, you know, hits the fan, everybody that did it is gone. I worry--every board meeting, I, generally, bring up something about the future people. We are member owned. It's our members that we're trying to protect and so forth. And in wrapping it up, all I've got to say is I hope what you've heard before about the long-range planning really comes through. It's real easy to just approve these plans and press on and hope somebody else sorts them out. It is going to happen. You heard Evergreen, you heard the Judge. It's going to happen out there 20,30 years. We go to do something now. We can't wait till 20, 30 years 'cause that water, we can't get it back. They're not making any new water. Thank you very much.</p> |
| 40 | 339 Oppose CVLGC | Herb Williams | <p>I, too, want to footstomp the opposition to the Cibolo Valley Local Government Authority project and plan. We have several sledgehammers coming at us in the next several years. And sledgehammer number 1, I think, is--and let me, first of all, say thank you for what you all do in the planning process, but I think there's some flaws and this past year, as Mr. Larrison said, at every five years we get our population study and it--you know, and I have actually been through a lot of training and stuff on how they factor these and figure these. So this year I thought, well, you know, I'm going to spend some time and I went to our board of directors and we spent several thousand dollars hiring a consultant. Not only looked at the census bureau information, but also took our county appraisal district information and put a great package together on our population study. This was an independent consultant. He had--he was being paid by us, but told him I wanted this to be independent. I wanted it to be a third party and I wanted it to be factual information. I think Region L was pretty impressed with that package that we put together. They put it---they sent it up to the water development board, and I'm sorry, ma'am, but I thought it just got ignored because we got the same numbers back. You know, it's sad when you meet with other water purveyors in and around our region and every one of them tell you that, you know, Herb, we got two planning factors. We got Region L planning factor, we got our own planning factors. And I will tell you that we got our own planning factors. It would be ludicrous for me, as a general manager and looking my customers in the face every day, to not use rational planning factors to make sure they have water in the future. Even starting in 2020, you know, our population projections are 10 percent more than what the water development board states that they are. And they exponentially go up to 2070 to where we almost need pretty close to double the amount of acre-feet as the demand level for our future customers. So that's sledgehammer number 1. Sledgehammer number 2 is, if you look at the ---the groundwater availability model and if it---the desired future conditions come true, we are in the area--our whole area--our whole service area is surrounded by the drawdown of 120 to 110 feet. This comes right off the chart that's put into the initiated--or the initial plan, Figure 6-7. And so that encompasses our whole service area. And I will tell you that most of our wells are about 180 feet below the surface and we have anywhere from 80 to 100 feet of water above those wells. And so if you're talking about 100 to 120 feet of drawdown, or wells are dry. People say, well, just lower your wells. Well, when you're in a sand-filled aquifer and you lower the wells, you're not going to get the production out of those wells that you would be pumping out of the --the artesian effect that we have and that we pump out of. So that's sledgehammer number 2. Sledgehammer number 3 is all these plans that--whether they're strategies or whether they're alternate strategies or whatever, they keep getting put into the Region L planning factor because, you know, it's kind of a moving target for us. According to our population projections and demand needs, we don't--we don't start getting a deficit until the year 2070. In my planning factors, I'm planning for a deficit somewhere around three decades before that in the 2040 region to where I need to start looking at alternate sources of water whether brackish water or things like that. But this is a moving target because the more you put into the plan; the sooner I have to look at alternate sources of water. And I tell you, there's a real disaster coming for every one of my customers. The majority of our wells are going to be dry, as I said. Yes, we can cap those off and move further into the Carrizo, but that's an expense that we have to pay. And, you know, every one of us, as a private citizen, pay taxes to the Evergreen Underground Water Conservation Authority. And as the gentleman alluded to, you know, they've got a purpose and the purpose is to preserve and protect our--our resource. And it's ludicrous to me that we spend tax dollars and having this authority and this conservation district in our area to do the things that we can't do individually and we're looking at---we're looking at a situation in the future years where our customers are going to have to pay millions of dollars to find alternative water sources and pipe it into Wilson County because that water is not going to be available for us.</p> |
| 41 | 340 | Carol Peters | <p>Hello. I'd like to thank the--again, thank the planning group that's been working hard on this. I'm Carol Peters. I live and own a business in Caldwell County. I'm going--I'd like to add a few more points to ponder to those I've already mentioned in prior meetings. I'm also a retired teacher and, as a retired teacher--Well, in the early 1960's, I was a Latin language student and I can still remember the project that I did on Roman aquifers and done a lot of reading on the Roman Empire. Most of us know what happened to the Roman Empire, so I think we need to be careful. I just would like to ask caution. Sharing. I would like to speak about sharing. A lot of the comments tonight have considered sharing. Sharing water and other things. As I was---I was taught to share. I believe in sharing, number one. I was taught to share by my grandparents, by my parents. I had an opportunity to teach my children and my grandchildren to share and we know that the outcome of trying teach sharing, and that would be temper tantrums. So the easiest way to deal with temper tantrums, in my experience, is, number one, patience, as we heard before this evening and time outs. So we heard that before this evening, too. So I encourage, also, that we take our time and allow time in our planning. As a Caldwell County citizen and business owner, we are being asked--we, in Caldwell County, are being asked to share our groundwater with others in Region L. Again, I'm not against sharing. I believe in sharing. Caldwell County will be asked, in this plan, to share their groundwater. Pipe it through our pipeline, perhaps. Share our pipelines that are already existing or possibly provide some of the Caldwell County land for future pipelines to push our water through to other counties in our region. Now, I've also heard that some of that water in Caldwell County has even been suggested to be pushed on through to other regions. So whereas I believe in sharing, I've had my own temper tantrums when it comes to sharing. I don't mind sharing with my family my Region L family, so much as I might mind sharing exteriorly (sic) after that. But, again, we're all Texans. So, you know, it's a lot to think about. But, anyway, the group is working on that and I agree with a lot of the comments that were made earlier, but just want to look at the big picture a little bit. I think--. Lastly, I would like to encourage the planning group to include education about water and property taxes as opposed to no state income tax in Texas and educating people from other states--who are immigrating to Texas because of the no-property taxes to be sure that they understand before they decide to move here, that when they get here, we are a desert. They will be living in a semi-desert and they will be living with other taxes that cover the Texas budget and schools, etc., other than the state income tax. So I would like to encourage the planning group to include an education piece for those people who are moving to Texas to --to enlarge our population. Thank you.</p> |

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| 42 | 341 | Buck Griffin | <p>Hi. I'm Buck Griffin. I'm the Director of Public Works with the City of Poth in Wilson County. We're probably the fourth largest city in the county. I think there's only four in the county anyway, but we're three and four, depends on what day of the week it is. But I guess the point I'm getting to is that we use the term public needs and water conservation. We use these terms very loosely and the real point is, it that, you know, it's --it's basically groundwater management, it's turned from a necessities to a commodity and that's what this is. These--these water districts, you got to make money. So you got to have that product to make that money. But yet they don't realize the adverse impact they do on everybody else in the surrounding counties, Wilson County. We still got the hydrofracking that's going on. We have not even really cleared that up with them, how much water do they really use, how much water do they need and what kind of effect. We still don't even know what the effects it's going to happen to us years down the road. I mean, what I've stated earlier. So we don't know. I mean, you got TCU pointing fingers at the railroad—I mean, the railroad commission, railroad commission pointing fingers back at them. They don't know. You talk to the State of Texas and everybody on down, they ain't got a clue because water is a commodity to bring the oil and the gas to the fracking and makes money. I seen five counties—this supposed to be the agricultural of the Region L. Well, you got Wilson County and Atascosa County wasn't even included in that. People making good oil money. So what are they doing? They're taking their money and they're investing back into the properties making irrigation pivots and making hay. They're bringing more cows into the county. Those counties were not even included as agricultural to extent it needed to be. I just find it very hard to, you know, digest all of this and trying to bring it all in to—you know, it's greed that's making this part. It's not the need. We didn't—we done saw it here. There's other factors. They can go non-potable water, reused water. There's other things we can do instead of looking for our aquifer coming over there because it's a cheap source of water. And like they said, that gentleman said, that cheap source of water is going to run out. You know, we might not be here to see that, but it's coming. And I just want to express that, you know, I'm just a common sense guy and I see what's outside. I work outside. I talk to other purveyors. I talk to other cities. We see these things where Region L and the architects and the engineers they don't see what we see. All they see—they see it in numbers. But we see this every day. And I just want to express that. And another thing I want to put is that we have a letter from the Mayor. I wrote a letter, he signed it. Basically, it says, Cibolo Valley Local Government Corporation, To Whom It May Concern, the City of Poth expresses opposition to the above large scale groundwater project proposed for Wilson County by the Cibolo Valley Local Government Corp. As written, this proposal will jeopardize future water needs for the City of Poth and surrounding municipalities, water corporations—corps., and ags—agriculture in Wilson County. The proposed well fields in Wilson County will create an adverse effect to the Carrizo Aquifer. And I strongly urge that the Cibolo Valley rethink their future needs for this thing. Thank you.</p> |
| 43 | 342 | Diane Wassenich | <p>My name is Diane Wassenich. I represent the public on Region L and I'm the staff person for the San Marcos River Foundation, a 30-year old non-profit that works to preserve public access and protect the flow, natural beauty and purity of the San Marcos River, its watershed and estuaries for future generations. So you can see that I view the Region L plan knowing that we are all served best by caring for our rivers and aquifers so that our water supplies area stable for our public health, our economic health and for wildlife, food growing and our own quality of life, as well. These are my comments. My organization's board will prepare written comments for Region L. I want to thank the technical consultants, the administrative staff of Region L and our chair, Con Mims, for doing a herculean job of preparing the many pages of this plan and managing the very large planning group through the years of work that they did on it. However, I have trouble supporting it in its current form, so I've prepared my top ten general reasons why and I'm sure the river foundation will get into more detail in the written comments. Number 1, the extreme redundancy of the long dream list of recommended water projects is a problem for me. The projects may not have customers or several projects may serve the same customer or the same need. If Region L is just supposed to rubber stamp any scheme that anyone comes up with, then that is not really planning. It's a waste of money to fund Region L and spend all these hours going to meetings, hundreds of people, if the group is not really planning. We should be determining which projects area really needed and when. To just throw in any project that any one can dream up just to be sure it's in the plan in order to get funding at any time that the particular dreamer wants it is not planning. Number 2, the place for projects that are not suitably fleshed out yet is in the alternative category. And that goes especially for recommended projects that have a zero yield listed because they are not able to get permits form the groundwater districts that are trying to keep their managed available groundwater under control without mining their aquifer. There is no logic to putting a zero yield project in the Region L plan. Number 3, piping water long distance from rural counties to enable paving over our central Texas city's aquifer recharge zones as they are growing like crazy is such a serious problem that I would think anybody should recognize that. Region L should not approve these kinds of things in the plan. Recommendations for developments off of recharge zones in the southern counties, if that's where the water is, should be a part of any acceptance of any plans to pipe any water around. The growth explosion in inappropriate areas is a classic California water practice that has mined rural aquifers there drying up rivers and farms and we should be smart enough to learn form their terrible blunders in California. Number 4, the environmental assessment in the plan is purposely very broad and uses methods that are designed to show little difference in taking more water from our rivers which does, however, impact our bay and estuary system, but everybody knows there are serious problems down there at the coast and long hours were spent at BBEST and the BBASC meetings to narrow down exactly how much flow is needed in our rivers and bays. We have waited so long to acknowledge the problem that some species can barely be found anymore to study them. But those BBEST and BBASC efforts are ignored in the way the environmental assessment is done in Region L. The assessment appears to be an afterthought rather than looking at what the bays need and finding ways to provide that through the water planning process. Bay needs are a real need. And that leads me to number 5, which is now new GBRA lakes planned. The lower and mid-basin, which I oppose including the plan. Lakes which evaporate water from the very river system that already does not have enough water for years at a time to spare for the bays and estuaries in our semiarid climate. Lakes are a damaging and outdated type of water project. Just digging a hole deeper that we're already in. Climate change is already here. We have to stop building the old and look to the new ways of providing water. So I strongly support the ASR projects and reuse and water conservation projects in this plan. Number 6, I believe the brush removal to create water supplies could cause us water quality and quantity problems in the long run and what we really need are careful and selective brush management projects instead, creating healthy water catchments instead of watersheds. Number 7, the way that demand or need is determined in some cases by asking how much everyone thinks they will need is not appropriate as the basis for the plan. Number 8, I support the unique stream segments portion of the plan and support adding to those stream segments portion of the plan and support adding to those stream segments in the future, though I realize it is largely symbolic because of all the conditions added to that language. Number 9, we really need to consider the conflicts of interest that exist in almost all of the regional planning groups using the firms that want to build the projects to guide our planning process and we need to discuss those</p> |
| 44 | 343 | David Glenn | <p>Good evening. My name is David Glenn and I retired to leave—live in Wimberley on the Blanco River in 1995. When Jacobs Well ceased flowing for the first time in recorded history in 2000, I became involved in water issues utilizing the skills developed as a geological engineer working in oil and gas exploration for over 30 years. I'm a registered Texas Professional geoscientist and founder of the Hays Trinity Aquifer Volunteer Advisory Group. Often I refer to myself as a recovering oil finder who's changed his mineral of choice from black gold to blue gold. Water. My interest in water issues has diversified starting as a Hill Country Alliance water team member, Citizens Alliance for Responsible Development Water community chair, Cypress Creek Watershed Protection Planning Project member and member environmental working group of the Regional Water Quality Protection Plan for the Barton Springs segment of the Edwards Aquifer. For the past two years, I've regularly attended the quarterly meetings of region water planning group L. Tonight I would like to discuss two points. First, Texas water planning process and Region L. Texas is a leader in water planning due to the Texas Legislature, as you were told, in 1997 establishing a new water planning process based on a bottom-up consensus-driven approach coordinated by 16 planning groups. The process is in its fourth cycle of five-year planning cycles of a 50-year plan. Unfortunately, the process has generated many water management strategies, i.e., project list, but hasn't done a lot of vetting, coordinating, ranking and funding up to this cycle. Furthermore, the public at large is virtually ignorant of the process. The voter approval of the \$2 billion SWIFT funding in November 2013 makes presenting and understanding the 2016 IPP critical to all of us. The process, to me, seems to be weighted on the demand growth side rather than the supply water resource side. Region L's water issues are a microcosm of Texas water issues. Region L contains 21 counties stretching from the Hill Country across the coastal plain to the Rio Grande River and the bays and estuaries of the Gulf of Mexico. It contains a rapidly growing urban center, San Antonio, ranching, agriculture, oil and gas, the Edward, the Eagle Ford Shale Development, tourism, fishing and even the nuclear power plant. Con, I believe it has the most complex interaction of water issues facing any regional water-planning group. Second point, Hays County specifics. Secondly, Hays County is a rural county in transition caught in the middle of the Austin-San Antonio urban growth corridor. County water planning rests on the 2011 HDR Engineering, Inc. water and waste water's facility plan which is the commissioners court bible. HDR is also the planning consultants for Region L, as you know. The plan's executive summary states western Hays County has a very limited water budget. There's just not that much surface or groundwater resident within the study area and these---and these resources are highly susceptible to the effects of prolonged drought. With prospective growth, the only pragmatic way of addressing the larger-scale water supply needs and not exacerbating the local resource problem is to import water supplies from outside areas with excess supplies. And I'll leave it to Con to discuss excess supplies. They don't exist. Hays County, there fore, requires coordination of both Region K and L since it is divided into both planning's regions. The Trinity Aquifer primary groundwater resource over most of Hays County is a fair aquifer, at best. It doesn't have the quick recharge and storage production characteristics of the overlaying Edwards Aquifer, which is only present down from the Balcones Fault Zone along Interstate 35. It is imperative that Trinity's recharge zone be protected and remain in a rural low impact development. Also, the recently proposed EP project raised many concerns, legislative actions, litigation ad scientific studies concerning over pumping of the Trinity. It is, again, suggested that denser development be focused in 10-mile wide development corridors along IH-35 and US 290. A specific plan related to possible pipeline locations and development corridors will be submitted during the written comment period. Thank you and thank Region L for all that it does.</p> |

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| 45 | 344 | Larry Wiley | <p>As she said, I’m Larry Wiley, Wilson County Commissioner. There’s been a lot of eloquent speakers and, therefore, I should just sit down, but as an elected official, I’m required to talk whether I want to or not. I am also here to express my opposition to the Cibolo Valley Local Government Plan and my statement will be pretty short and pretty simple. The judge pointed out that we were 16th fastest growing county in the state last decade. That puts us in the top 6 percent of all the 254 counties in the state. That is after a minimum of three decades, that’s all the information I have available to me at the moment, that of 30, 40 percent growth within Wilson County. So Wilson County is a very fast-growing area. When I looked at the map for Region L, it’s obvious that the emphasis is on the I-35 corridor, and I understand that. There’s a lot of growth in that area, but it’s not in just that area the growth is flowing out as it flows up. We’re experiencing, again, a rapid amount of growth. Highway 123 down from Seguin and the I-10 area is coming into our county. Highway 87 and 181 out of San Antonio are also flowing into our county. The water should be there in Wilson County, not just for today, but for those folks that are headed in our area in future. The population is coming and all I want to say is a plan that pipes our water from Wilson County to solve the needs in the Schertz-Cibolo area, to me, is kind like putting a band aid on a bullet wound. It’ll slow the bleeding down a little bit, but it doesn’t do one thing to stop the problem. It’s—it’s a bigger problem ‘cause we have to look, again, with the growth that we have, if you move water from Wilson County, what do you do in the future if—of a future plan for all the people that are going to be there needing that water? You’ve pumped it away. There has to be a better solution. And that’s all I have to say. Thank you very much.</p> |
| 46 | 345 | Jennifer Ellis | <p>Thank you. My name is Jennifer Ellis and I work for the National Wildlife Federation. Since the year 2000, through our Texas Living Waters Project, we’ve been working to influence the way Texas manages and uses freshwater supplies. We strive to ensure that environmental water needs, the needs –the fresh water that’s needed to support healthy fish and wildlife populations are recognized and supplied in order to protect the rich natural heritage that we have here in Texas. We Certainly recognize that this is no small task to develop a regional water plan and we so appreciate the members of the South Central Regional Water Planning Group for the time and the effort that they’ve put into the process. There are few things that have a greater impact on Texas aquifers, springs, rivers, bays and wildlife than how we choose to supply water for—and manage water for human purposes and, therefore, much is at stake here. Although there are some positive aspects of this plan, we do have some significant concerns, a few of which I’ll touch on here tonight. Number 1, the first area of concern, the plan fails to include timeline from when projects are needed. There’s no implementation timetable for the recommended 33 major projects that are recommended to be pursued. You would expect that a plan looking out 50 years into the future would have some kind of timeline for implementation of the major elements of the plan. In fact, the plan has devolved from the level of previous versions. The last—at least the 2006 plan did have a planned timeline of implementation, but there is none here. Number 2, the second area of concern, the plan is a clear example of overplanning. Most fundamentally, as I understand it, the purpose of the plan is to forecast unmet water needs, how much more water beyond what is provided through existing water supplies will be needed for human consumptive purposes over the next 50 years. Where will that water be needed, by whom and when and how much? Then, based on that information, water supplies strategies are to be evaluated and, if worthy, recommended to provide for those unmet needs. However, this plan, as it stands today, grossly overplans with egregious mismatches between the recommended water supplies projects and apparent needs. At 2070, the plan conservatively estimates total unmet water needs in the region to be 494,000 acre-feet of water per year. Yet it includes recommended new water supply projects that can deliver 817,000 acre-feet of water per year. That is a 65 percent excess of recommended supply projects. That bears repeating. Sixty-five percent excess. Such extreme overplanning calls into question whether the planning process is really doing planning for unmet needs or if it is more of a plan for speculative water development purposes. Mr. Vaugh did provide some explanation at the beginning of the meeting about why there overlapping done, but we feel that those—that those reasons do not justify this level of overlapping and that there are other ways that each of those things could be addressed in the planning process in a more appropriate way. Number 3, one of the most concerning omissions, a major recommended project, the MidBasin Project would pump large amounts of water, up to \$75,000 acre-foot of water per year, from the Guadalupe River near Gonzales. The description of the project includes no analysis of changes in freshwater inflow to San Antonio Bay, winter home of the endangered whooping crane. Number 4, the plan does not even attempt to portray the depletion of freshwater inflows into San Antonio Bay that are forecast to accrue with this plan in a manner that is consistent with another state-appointed planning committee, The Guadalupe-San Antonio Bay Basin Expert Science—Stakeholder Committee. Excuse Me. Number 5, as we’ve raised in our comments in the 2001, 2006, 2011 versions of this plan, the portrayals in the plan of changes and freshwater inflows to San Antonio Bay, when included, are misleading because they do not present the expected changes from historical levels. By using a baseline that has much of the drastic changes in inflows due to the future use of existing water rights that have already been permitted embedded in that, the changes due to new projects look relatively modest. Concern number 6, the plan is not a comprehensive plan. It does not consider the water needs of fish and wildlife as a need to be met. Instead, it only looks at what is left over for the environment and in some occasions even that is omitted. We need a plan that looks more holistically at what the water needs are of all users. Number 7, a major recommended project, the lower Basin Storage Project, would pump large amounts of water from the Guadalupe River just above San Antonio Bay. Since this project is based on existing water rights held by GBRA and Dow Chemical, the plan assumes the impact on the estuary is zero and does not present anything. Number 8, the plan lacks a total cost summary. It omits the anticipated capital cost of the overall set of recommended water supply projects. Project costs are only itemized individually. In order to provide the full picture of the capital cost of this plan. This information should be compiled and presented. With this state water implementation fund or SWIFT money now flowing to build new water supply projects, we must ensure now, more than ever, that we are doing thorough and thoughtful water planning that ensures that our rivers, springs, bays, estuaries and wildlife are not left high and dry in the process. I very much appreciate the opportunity to voice these concerns about the Region L draft plan and do hope that you will consider how these issues might be addressed as the water planning process continues. Thank you.</p> |
| 47 | 346 | Linda Kaye Rogers | <p>Good evening. I’m Linda Kaye Rogers from Wimberley, Texas. I am speaking for myself, however, I am the current president of the Hays Trinity Groundwater Conservation District. So I’ve had a little bit of involvement with water in the past 15 years since I moved to Wimberley from the Dallas-Fort Worth area. Somehow, I don’t remember how, but I got the word before I moved here that there were water problems in the area. So from the beginning when I bought my property 15 years ago. I installed rainwater collection and have lived completely 100 percent on rainwater harvesting since that time. But as I watch my friends and neighbors struggling and the drought that we’ve had in the past five years, the situation with the water drilling in the white zone in Hays County and all that we’ve been through with that, the actual fear that has motivated people to bound—bind together to fight for their homes and their futures because of their water, actually seen contracts pulled for homes to be sold in that area because of fear of there being no water. I find that my passions begin to run stronger and stronger. As part of the groundwater management district or groundwater conservation district, I listen to what’s going on with Evergreen and Wilson County and I’ve been watching some of Hays County actions, and following a lot of this. There’s two things that come into mind and one is the old adage, Robbing Peter to pay Paul. That never works. I think if we look at the history that’s been indicated, you’ll find that it just does not work. Robin Hood got caught and he did cause harm. The second is, Build it and they will come. This is the biggest part of this plan that concerns me and as I attend various meetings and listen to all this talk, growth is the word that keeps coming out. The bottom line is if you keep bringing in this water, there will be more growth, there’ll be the need for more water, there’ll be more growth. Finally, the growth will have to stop because there will be no more water and those from whom the water has been taken will also be harmed and, perhaps, homeless. I may be sounding dramatic, but I think this is a reality. Management, to me, is managing what you have. My background is as a psychotherapist and I have to work with families and individuals to work with what you’ve got. Not what you want, not what you hope and wish for, maybe not even with what you need, but with what you’ve got and to protect that and utilize it and manage it. As groundwater districts, we are citied and mandated to preserve, conserve, protect and prevent waste of our groundwater. There’s a lot of line loss. We talk about waste. There’s a lot of line loss that happens in these long pipelines. That water’s wasted. It’s lost. It doesn’t go back into the aquifers. It may feed a tree, but it is basically lost. So just the overall planning, I think what’s being missed is some common sense and rational thinking. What are we going to do taking all this water away form our farmers and ranchers? Who’s going to feed all these people coming in? I hear this nationally happening and we’re seeing it throughout our nation, losing more and more of our farmland. Droughts don’t help. These people then often sell other land for development or they just sell it. They don’t care what’s going to happen to it. They need the money to survive. So, to me, the overall plan is missing some huge portions and that’s the whole big picture. The holistic concepts that was brought forth. I think part of that holistic plan—w-h-o-l-e, whole—is growth and actually managing growth. And, folks, I guarantee you, if people know there’s not water or not going to be water, they’re not going to come here and start a big business or build a 300 or \$400,000 home with St. Augustine grass. So I would ask for the plan to use some common sense and rational thinking about it’s not just managing the whole entire picture and a lot of that is based on growth. So how do you manage growth? My idea to manage the growth by managing the water that can supply that growth. Thank you.</p> |

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| 48 | 347 | Russell Labus | <p>Good evening. My name is Russell Labus. I'm the general manager of the Evergreen Underground Water Conservation District. Our district is located south of San Antonio. We cover all of Karnes, Wilson, Atascosa, Frio Counties. As Mr. Mim's mentioned, I'm also a member of the Region L water planning group representing the water districts. But I'm here this evening to speak on behalf of the Evergreen District and the citizens and landowners of Wilson County, specifically, to voice opposition to the approval of the Cibolo Valley Local Government Corporation (CVLGC) Project in the Region L water plan. This project is a 10,000 acre-foot Carrizo project with the well field being in Wilson County for water transport out of our district into the Cibolo-Schertz area. Groundwater conservation districts (GCDs) are charged by the Texas Legislature in Chapter 36 of the Texas Water Code to conserve, preserve, protect and prevent the waste of groundwater resources within their districts. This is to assure adequate future water supplies for the constituents of the district. One of the biggest challenges that groundwater conservation districts face is achieving a delicate balance between conservation and preservation and optimizing groundwater production for the benefit of all constituents of the district. One of my biggest concerns on the approval of a project of this magnitude in the plan is that, to my knowledge, there's not been any adequate scientific studies nor has there been any groundwater modeling by an outside technical consultant to determine just what effect that large-scale project such as this would have on the Carrizo Aquifer locally, either in terms of water quality and/or water drawdown levels over a time as this quantity of water is produced on a continual basis. Neither has the issue of mitigation of surrounding wells that will be impacted by this project been addressed. But yet the project is moving forward as we speak, at least on a preliminary basis, in terms of land and water rights acquisitions and pipeline easements, but according to the projections in the IPP--the initially prepared plan--additional water demands for the Cibolo-Schertz area is not expected until somewhere around the year 2030, or about 15 years from now. It is my fear that inclusion of this project in the Region L plan would be used as a leverage to push the project forward regardless of whether or not it would be detrimental to the citizens, landowners and municipalities of Wilson County. I feel that there is still adequate time in the next round on planning to conduct those studies and address the issue in the proper manner. Section 5.2.14.5 addresses some implementation issues related with this project. And I'm going to go ahead and just read some of this verbatim. I won't read the whole section, but I'll just include some of the high points here. One of the—It says, The implementation of the Cibolo Valley Local Government Corporation-Carrizo Project could involve conflicts with other water supplies plans as they will be competing for limited groundwater supplies within Wilson County and the Evergreen Groundwater Conservation District. Because the district's permitting process is independent of the regional planning process, potentially competing groundwater management strategies are not prioritized. It goes on to say, a little bit further down, and this is under the Evergreen Conservation District bullet point permit—for permits. It says, the development of groundwater in the Carrizo-Wilcox Aquifer in the south Texas water-planning region must address several issues. Major issues include analysis of pumping impacts on groundwater levels, mitigation of impacts on existing well owners, drought and water conservation plans and needs assessment of the receiving water utilities. Couple of other bullet points here in the—in the plan. It says, Impacts on endangered and threatened species, water levels in the aquifer include dewatering of the current artesian part of the aquifer, base low in streams and wetlands. Couple of other bullet points: Competition with others in the area for groundwater and regulations by the Evergreen Water District including periodic renewal of permits and potential pumping reductions. As I believe it was pointed out, this project is a zero firm yield MAG-limited project. According to the pumping numbers that my staff has compiled for 2014, agricultural pumping was the largest water user in the district representing about 64 percent of the total pumpage of Wilson County. Public water supply was at about 32 percent and public water supply not only includes municipalities, it also includes the rural water supply corporation that supply water to the outlying rural areas. Oil and gas water usage for the oil and gas industry represented about 4 percent of that local number. Wilson County will continue to grow as the population of San Antonio grows and people push outward into the surrounding counties, suburbs and small towns. We've already seen that occurring in towns such as La Vernia, Floresville and Stockdale. Municipal water usage in these towns as well as the existing rural water supply corporations have increased in the range of about 18 to 23 percent since the year 2010. The towns of Poth and Falls City, although a little bit further out from the location of this project, also rely on Carrizo water for their municipal supply and they have also shown growth. And even though the Eagle Ford Shale activity has slowed somewhat in the last six months or so, I would expect that to be somewhat temporary and to eventually pick back up, although it might not quite get to the level it was a year or two ago. But, nevertheless, it's going to still continue to place increasing water demands on the district, both in terms of oil and gas production and Eagle Ford workforce population increases. The I-35 corridor between San Antonio and Austin is no doubt on of the fastest growing areas of our state, if not, the nation. However, I respectfully encourage and request the Cibolo Valley Local Government Corporation to explore other water supply options to bring to the table and that, a minimum, do some adequate upfront scientific studies and groundwater modeling before moving forward and having a detrimental impact on the citizens of Wilson County and to our agricultural industries that are present within our county. Thank you for allowing me to speak.</p> |
| 49 | 348 | Diane Savage | <p>Good evening. I am Diane Savage, a resident and land owner in Wilson County, as well as an Evergreen Water Conservation Board Member and a member of Region L groundwater management area 13. Since the protection, sustainability and management of our ground water resources is critical to all Texans, the GMAs have been working diligently for years in accordance with legislative dictates to develop the desired future conditions, or DFCs, and the managed available groundwater. The information from the work being done with the ground water management areas has been passed on to Region L, and included in the new plan. The schedule is a bit off but we have been working on it and taking it to Region L and, yet the Cibolo Valley Local Government Carrizo Project which is number 5.2.1.4. is included in the 2016 IPP. This is a project, dually noted, with a zero firm yield, which exceeds both the DFTs and the MAGs, all supposedly to fill needs that aren't even shown before 2030 and are minimal at best about 1,800 acre feet where we only need shown until 2040. There has been no consideration of any other solution to meet this need. Like purchasing this amount from a wholesaler water provider. For example maybe the Executive Director of Cibolo Valley saw it valid to call the General Manager of Schertz-Seguin and say "oh can we take 1,800 of those feet from your agency since that is your surplus. And by the way, it's the same guy so he probably can work that out. And, instead of a plans for a well field in Wilson County, to produce 10,000 acre-feet a year from Carrizo aquifer beginning in about eight years. OK now I have got to wonder where all that water is going before 2030 because there are no needs shown and yet they want to be in production and producing in eight years. Hmm. Interesting question. And to include the 2016 IPP to put the 2016 Cibolo Valley Project in there has as intense local opposition, lacks any technical evaluation and could possibly threaten sustainability with the Carrizo aquifer. They don't know. They haven't done any studies. They haven't looked at anything. Just so the sponsors can be eligible for state funds. Well this just adds insult to injury because we are all taxpayers and use taxpayer dollars to get their project off is real hard for me to swallow. So I must agree with Mr. Labus. Let's take this Cibolo Valley Carrizo Project out of the plan and do the appropriate technical and impact studies on this project, in order to protect and manage our ground water resources and to insure that the needs of the citizens and the agriculture producers in Wilson County will not be adversely affected by a long term pumping project. Thank you.</p> |

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| 50 | 349 | Ginger Coleman | <p>First I would like to express my appreciation to everybody involved in the planning and preparation of this 2016 IPP, Including those that are participating by providing their public comments. I am personally aware of and appreciate the diligence of the members of the Evergreen Underground Water Conservation District and the Region L Board and our Wilson County officials and citizens who have communicated their views. At last night’s meeting in San Marcos a number of elected officials, agricultural producers and citizens were present and several presented comments. We are hearing similar comments today. My name is Ginger Coleman, and I am a Wilson County resident and landowner interested in responsible management and sustainability of Texas groundwater and the far-reaching effects of our decisions and actions today on our water and other natural resources now and in the future. In Wilson County I also serve as a Commissioner for Emergency Services District number three and a Director on the Economic Development Corporation for the City of Stockdale. Wilson County water in one form or another is being targeted in at least six of the projects in the 2016 IPP through pumping of groundwater and brackish water and diversion of water from Cibolo Creek. Many of the public comments we heard in the meetings held earlier this week had a common theme - sustainability. One of the definitions I found of a ‘sustainable’ plan, and I’m quoting from Merriam Webster, is a plan “involving methods that do not completely use up or destroy natural resources.” We in Region L are looking to and must rely upon this Region L planning group to provide and approve an intelligent, equitable and sustainable plan for our water resources to the Texas Water Development Board. While that is undeniably a gargantuan task, it can be accomplished – but not with this IPP. I am in agreement with several of the other speakers today and at the other meetings, that the first step toward improving this plan should be to remove the proposed Cibolo Valley Local Government Corporation Project from the plan altogether. Why rush into such a project when Cibolo Valley Local Government’s own plan clearly indicates no customers and no needs until 2030 or 2040? This project should be removed from the 2016 IPP in its entirety and be reconsidered for the 2021 plan using updated data in the decision making process. To quote a U.S. Geological Survey article, “water stored in the ground can be compared to money kept in a bank account. If you withdraw money at a faster rate than you deposit new money you will eventually start having account-supply problems. Yes, that is a statement of the obvious, and if the 2015 IPP means what it appears to mean, supply problems are certainly in Region L’s future IPP. As I read and re-read parts of the IPP one of several concepts that still does not seem logical or practical to me is this—How can this Planning Group believe it is a good practice – financially, environmentally or in any other way – to pump and transport water from within counties with projected future needs only to eventually sell to, and transport the water back into, that county? It seems to me that the only ones who benefit from this strategy are the wholesale water distributors and water purveyors. If approved in its current form, this Plan will have, in effect, served to create a market for those water sellers at the expense of every resident, business and municipality in Region L. That is just wrong in so many ways and is one more reason to-revise this plan before it is submitted to the Texas Water Development Board. Another serious concern involves the form and content of the IPP which as provided to the public on the Region L website contains misleading information about at least one project, Texas Water Alliance, and is missing at least four appendices F, J, K and L. I will give more specifics in my written comments to Region L. Here I will simply say that the IPP in its current form does not provide the public with the required opportunity to effectively review, comment and contribute to the plan’s development. For these reasons and others, and recognizing the diligent and sincere efforts of each entity and person that has participated in this planning process, I respectfully assert that the Region L Planning Group has essentially failed to meet its own stated requirements for providing a process for public input. The public does not have a full and correct plan to review. In order to fulfill that requirement the IPP must be corrected and provided to the public in full and accurate form and the public comment period must be reset. At the San Marcos meeting Wednesday night, one speaker likened parts of the plan to putting a Band-Aid on a bullet wound. He was right, and I say that while we may not be able to totally stop the bleeding, this Planning Group is charged with coming up with a plan that is much more effective than a Band-Aid. I’ll close with this: As I mentioned earlier one of the major concerns about this IPP is sustainability of the aquifers and other natural resources that will undoubtedly be affected by the decisions made about each and every part of this project. As I searched the internet for supporting information, I entered the phrase “negative effects of groundwater depletion” and Google returned more than 8500 results. Out of a sense of fairness and at least a little curiosity I then searched for “positive effects of groundwater” and Google’s response was “no results found for ‘positive effects of groundwater depletion.’”</p> |
| 51 | 350 | Kay Love | <p>My name is Kay Love. I am a resident of Wilson County, landowner and agricultural producer. The planning group of Region L has stopped planning. I think there is simply a grab for rural water by the Wholesale Water Providers. The Cibolo Valley Local Government Corporation proposed Carrizo Project stands as example of a failed plan. The project was initiated by the executive director of the Cibolo Valley Local Government Corporation who sits on the Region L Board representing agriculture. The plan submitted has zero firm yield, and questionable need. Region L members thought this project had no chance of making into the 2016 IPP yet the proposed project was included. They were told to comment later in the public comment period. In the mean time, Cibolo Valley is actively acquiring leases in Wilson County. The wholesale water providers have taken over the planning process. Their project treats water as a speculative commodity. Their plan is buy cheap selling it high. Agricultural and rural counties suffer as poor regional planning allows water to be pumped from counties who may have water need in the future without study of the potential effects on the aquifer or rural communities. There is no question that there are elephants in the room. They are northern counties of Region L. All pipelines point north. SCTRWPG endangers agriculture, our aquifers and rural communities by giving free range to Wholesale Water Providers and their products. Wilson County has strongly opposed these water transport projects in the past, continues to strongly oppose them and urges their removal from the 2016 IPP. The Cibolo Valley Local Government Corporation’s Project should be removed from the SCTRWPG 2016 IPP as a water management strategy, an alternate strategy and receive no state funding.</p> |
| 52 | 351 | Walter W. Meyer | <p>The purpose of the South Central Texas Regional Water Planning Group (SCTRWPG), Region L, is to provide comprehensive regional water planning. I live in the City of Schertz, located within the Region L planning area. In carrying out its mission, Region L included in the 2016 IPP the following projects: 1) Cibolo Valley Local Government Corporation well field in Wilson County to produce 10,000 ac-ft/yr from new water wells in the Carrizo/Wilcox Aquifer; 2) Expanded Carrizo Project for Schertz Seguin Local Government Corporation - 6,500 ac-ft/yr of Carrizo/Wilcox in Guadalupe County; 3) Brackish Wilcox for Schertz Seguin Local Government Corporation Project Expansion - 5,000 ac-ft/yr Brackish Wilcox project in Gonzales County. I support the inclusion of the above-listed projects in the 2016 IPP. The projects should remain in the IPP unchanged. Inclusion of the projects in the plan will ensure a safe and reliable drinking water supply for a growing area in Texas.</p> |
| 53 | 352 | CVGGC Board, submitted by Justin Murray, President | <p>Resolution Number:CVLGC 2015-07 Resolution of the board of directors of the Cibolo Valley Local Government Corporation supporting the CVLGC water development project in Wilson County and its inclusion in the Texas Water Development Board's South Central Texas Regional Water Planning Area's Regional Water Plan.</p> |
| 54 | 353 | SS Water Supply Corp.,submitted by John Larrison, President | <p>Opposed to the specific project in the plan that allows CVLGC to pump water from Carrizo Aquifer and transport water for use in the cities of Cibolo and Schertz. Board of Directors request this project be removed.</p> |
| 55 | 354 | Rachell M. Tucker Bexar County Green Party | <p>We oppose the Vista Ridge Pipeline Project as unnecessary to meet our water needs, because it is more expensive than better alternatives, and because SAWS will be buying water from private a corporation that is fencing water that is had drygulched from its unwilling regional owners.</p> |
| 56 | 355 | Submitted by Diane Savage for Judge Richard L. Jackson and citizens of Wilson County (141 pages) (some duplicates) | <p>Opposition to moving water out of Wilson County & CVLGC project. TOC: Willson County Judget and Commisioners Court Resolution; Wilson County Cities, Water Providers, Emergency Service Districts, Economic Development Corportations; Evergreen Underground Water Conservation District; South Central Texas Independent Cattlemen's Association; Public Comments; Oral Comments; Newspaper Articles.</p> |
| 57 | 356 | Tyson Broad | <p>I have been involved in the Region L process since 2006. Over the course of the last two planning sessions, I have submitted detailed criticisms and praises of the plan in an effort to improve the process. criticisms and praises of the plan in an effort to improve the process. This current IPP, unfortunately, does not represent progress. Rather, it is a poster child for a broken process. The planning group was not provided an opportunity to truly vet different projects and create a plan that represents the best interest of Texas from an economic and ecological perspective. Rather, this regional water plan is an excessive laundry list of water projects, heaped together by water suppliers pursuing SWIFT funds and gaming the process. Until this process begins to truly develop a plan that prioritizes projects and evaluates and meets the water needs of fish and wildlife, it is providing a disservice to Texans. Numerous entities and individuals have devoted countless hours and resources to truly trying to meet the water needs of Texas and Texans; this draft plan is a to meet the water needs of Texas and Texans; this draft plan is a disservice to their efforts.</p> |

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| 58 | 357 | Jason James | I have researched and analyzed the proposed water project to take Wilson County water to a storage facility in Cibolo. As a citizen of Stockdale, Texas, I completely and wholeheartedly oppose the plan. I firmly believe that water within and under Wilson County should be used for the long-term well-being of Wilson County. There is a great amount of evidence that pulling large amounts of water in the Gonzalez water project has had a significant impact on the water level in and around those well sights. As a concerned citizen and land owner within 5 miles of the water well site, I would be greatly concerned that water much needed to support a beef cattle ranch may not be available for the long-term. Also, I am concerned that a large pumping operation could expose our water to unknown contamination or major degradation of our water quality. When I moved to Wilson County about 16 years ago, I chose Stockdale, Texas as my home because of a vast resource of quality water to support my family and ranch for the long-term. I am greatly concerned that a negative impact on land valuations will almost certainly take place because land values are directly tied to their resources. Land with natural resources like natural gas, oil, and even water for future periods increase land values. With the future in doubt and knowing that water levels are going to be decreased due this project will certainly have an impact on long-term appreciation of land values. This is going to impact everyone in Wilson County because continuous appreciation of land values is a significant part of our property tax collections. If only a small section of property known as the well site is collecting revenue, but the entire county suffers from a degrading water supply, the county's schools, roads, and infrastructure suffers. Water is our greatest resource. It does not have to be refined like oil and in fact can be pumped and used immediately to support families, animals, and crops. Water should not be transported and stored. In this scenario, it is all but certain that water will be wasted and contaminated between the well sight and the storage facility. The environmental impact to our county between the pumping, transporting, and building of pipelines is not in the favor of our county. The county has already been overwhelmed as mostly a pass-through county to the Eagle Ford Shale. Water is a shared resource and does not have clear and defined boundaries. What happens to the water resources in the county should be voted on by the county, especially large pumping projects such as the one being proposed. Please except my comments as opposition to the CVLGC Water Project. |
| 59 | 358 | Joe Jones | I have lived in Wilson County over 25 years and have had no issues with my water wells. I have struggled to get trees and grass to grow both in my yard and pastures. If the proposed water project does become a reality, who would I hold responsible to either 1. Drill a new deeper well and install larger pumps to bring my water from my property to maintain my land? Or 2. Pay my monthly water bill to maintain my property? As you can tell by my above statements, I for one will vote NO for this project. |
| 60 | 359 | Terry Roach | The home and property owners of Wilson County own this water and a MEGA Well will Pump the Water from underneath All Wilson County Property Owners. What's a house worth without Water-----ZERO dollars. Water also is part of the supporting Structure that prevents ground Collapse from weight bearing above the Aquifer. Wilson Countys land will become unstable without its underground Water support structure. Just google other Aquifers, that have been Pumped dry and sink holes/earth collapse is common. We, as most Texas residents believe its State Regulators and State Government is bought by big business. We can't wait to pay for shale oil waste water clean-up that the industry is generating and San Antonio's Plastic Water bottle plant that demands 18 million gallons of water per day! Go to H!#^, go elsewhere and steal water. Inform Schertz, Cibolo, Seguin, San Antonio start building Water Infrastructure-- Look, where it rains in East Texas....When the Aquifers are Pumped Dry irresponsible Growth is OVER.Respectfully, Leave our Water Aquifer alone |
| 61 | 360 | Mark Wehe | I am writing you to inform you that my son and I are animatedly opposed to this plan. We irrigate coastal Bermuda grass as a livelihood to sell hay to the horse industry and would not like our wells depleted. I have one well in Atascosa County where the pump cannot be lowered any further. Your attention to this opposition in greatly appreciated. |
| 62 | 361 | Roger Biggers | In the 2016 IPP the dollar and ac-ft numbers of the NBU ASR, Reuse project and Trinity Well Field Project are significantly under quoted due to old information. What do we do to get these numbers corrected in the IPP.The NBU ASR project is estimated at storing 14,000ac-ft including the buffer zone and is estimated to cost \$22,000,000 in initial construction. The Trinity Well field will produce 4,000ac-ft/year and will cost \$13,000,000 to construct. The reuse project will produce 970ac-ft to start with at a cost of 1\$12,000,00, however we have said that we will expand this project and have other reuse projects in the future so that we anticipate no discharge by 2070, but I don't know how best to cost that out per ac-ft. Once the initial capital expenditure is made it will cost \$200,000 per year to operate and maintain the reuse system. |
| 63 | 362 | GEAA submitted by Annalisa Peace | Please accept the attached comments on behalf of the 51 member groups of the Greater Edwards Aquifer Alliance. If sending comments to this e-mail address is not acceptable, please advise at your earliest convenience. Letter: Please accept these comments on the Region L Plan on behalf of the 51 member organizations of the Greater Edwards Aquifer Alliance. The Greater Edwards Aquifer Alliance (GEAA) promotes effective broad-based grassroots advocacy for aquifer protection throughout the 21 county Edwards Aquifer Region. GEAA works with 51 member organizations to build statewide support for conservation and sustainable management of our water resources. Our overall goal is to protect the Edwards and Trinity aquifers, contributing watersheds, and the flora and fuana, history and culture of the Texas Hill Country. It is the consensus of our member organizations that the citizens of our region will be best served by a plan that recognizes the need to conserve and preserve our regional water resources. We echo the comments, to follow, of Dianne Wassenich, our representative on the Region L Planning Group. |
| 64 | 363 | Wayne A LePori | Primary concerns: Board membership (list affiliations and questions Cockerell representing Agriculture with SSLGC); Basic premise of water use plans (rural areas need to be considered for alternative water use strategies - incentives to attrach growth and industries rather than shipping water to urban areas); Specific Water Use Strategies (GCUWCD exportation of water while TWA, Hays Caldwell, SSLGC, CRW hold water in reserve with no immediate need. TWA should not be included with no permit buyer); No strategies for irrigation for rural ag. Water demands for poultry should be listed seperately for Gonzales County; Strong Points of the Region L Plan (ASR, Desal of brackish and seawater). |

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| 65 | 364 | James Murphy | <p>The 2016 IPP attempts to integrate a shopping list of individual, stand-alone projects into a local water plan that also encourages the development of a regional approach to the water supply presently available from within the Region L area. The 2016 IPP is therefore hampered by inherent constraints that affect the outcome. The regional planning process is a "design by committee" effort and cannot satisfy every project preference. For example, Region L members disagreed over the GBRA Lower Basin Storage Project regarding the hydrologic assumptions related to return flows. The solution was to analyze the project under two different hydrologic assumptions. While GBRA and its principal opponents found the solution acceptable, this incident reflects the difficulty the Region L planning process faces when attempting to weigh or evaluate policy. Another constraint flows from the size and composition of the Region L membership. Over thirty members from throughout Region L, meeting irregularly for relatively brief meetings, means that smaller, self-selected work groups, with the aid of the regional administration staff, will prepare an agenda that is presented to the full group shortly before the meeting date. Given time constraints, it is perhaps inevitable that the full group will ratify the recommendations prepared by work group with little discussion on some items and a surplus of attention on others. The decision to operate on a "consensus" basis also limits the ability to reach decisions and move on to other topics. Consensus is a useful tool; it is sometimes achieved at the expense of clarity. The 2016 IPP would've been better served by narratives clarifying the different approaches to regional development, with a concentrated focus on what ground, surface and seawater is available within the region and how that water supply can be regionally distributed. As drafted it's difficult to read a regional approach into what is ostensibly a regional plan. A further constraint on the Region L planning process is the focus on incremental municipal water supply needs. The present Region L process is dominated my urban and suburban needs along the Interstate 35 corridor and the development needs in the lower basin are accounted for in a perfunctory manner. The potential for and importance of industrial development along the Texas Coastal Bend is not directly reflected in the 2016 IPP and this omission should be corrected in some manner. REUSE PROJECTS GBRA objects to the inclusion of potable reuse as a recommended water supply strategy in the 2016 IPP. Several projects were added to the 2016 IPP at the final Region L meeting before the TWDB submittal deadline. SAWS and other political subdivisions seek to develop reuse projects consuming 100% of their municipal wastewater. None of the strategies included discussion of alternatives, or what needs they would complement or replace in the current water plan. Rivers, bays, and estuaries, as well as holders of water rights in the San Antonio and Guadalupe Basins will all suffer from these ill-conceived projects. It is important that these reuse projects should be listed in the category "needs further study" if included at all. There is no evidence that any of these so-called reuse projects are either cost effective or imminent in implementation. Should these projects move towards viability, the Regional Plan can be amended at that time, allowing the full planning group to evaluate the specific project(s) at that time. There are specific considerations that need to be addressed before wide-spread reuse of municipal wastewater can be implemented as a regional water supply strategy: 1.) In Texas the interaction of surface water and groundwater has not been legally resolved. Pumpage of groundwater within a watershed will have an impact on river flows. Combining this impact with the fact that many entities want to reuse 100% of their wastewater will create an even larger deficit in river flow during a repeat of the Drought of Record. 2.) Many senior water rights were granted based upon continued discharge of municipal and industrial return flows. It was not until the late 1970's water rights were issued without reliance on reuse. The reuse of water which has historically been available for senior water right holders will place a greater strain on surface water resources. 3.) The IPP does not take the necessary step of clearly demonstrating how the reliability of existing water resource projects will be impacted if return flows are no longer available for appropriation. The impact on the yield of existing projects needs to be clearly outlined if reuse projects are going to be considered in the plan. 4.) Wastewater return flows make up a significant portion of the streamflow during prolonged drought periods. Without the availability of these return flows, the Guadalupe River flow will be reduced to a trickle during droughts. GROUNDWATER ISSUES The 2016 IPP should clearly reflect that all water supply strategies predicated on groundwater comply with limits proposed by local Groundwater Conservation Districts. Water strategies predicated on groundwater supplies that exceed DFC's should be relegated to the category of "needs further study" The 2016 IPP should clearly reflect negative impacts on stream flow and surface water supplies associated with groundwater projects. OUT OF BASIN WATER SUPPLY The SAWS Vista Ridge Project, and other projects that rely on sources of water that are located outside of Region L should be listed in the "needs further study" category. While the Vista Ridge Project has been in the news, both in San Antonio and in the rural areas impacted by this project, it made it's first appearance before the Region L planning group in the penultimate meeting before the 2016 IPP filing deadline. The interregional impacts of this project are significant and there are far too many unanswered questions regarding Vista Ridge for it to be listed as a viable recommended strategy. At a minimum the Region L group should make a formal determination that there are insufficient sources of water supply within Region L before recommending such projects for inclusion in the 2016 Regional Plan.</p> |
| 66 | 365 | James Matthes | <p>I'm writing you in regards to the proposed Region L Plan. I've been a resident of Wilson County for the past twenty years and during that time have seen the county grow at an alarming rate along with a corresponding increase in water consumption. I'm sure you are more aware of the ever dwindling supply of clean drinking water nationwide and especially here in South Texas than I am. I'm sure you alos understand that moving water from less populated counties is at best an interim fix that cannot be sustained over the long run. My question to you is what's the long term plan for water conservation once all the counties surrounding Bexar, etc are forced to use mandated water restrictions like the Edwards Aquifer currently has?</p> |
| 67 | 366 | Melissa Laffey | <p>The following projects threaten: 1. Wilson Couny's primary source of water across all usage categories; 2. Sustainability of the Carrizo-Wilcox aquifer; 3. The welfare of Wilson County and surrounding residents; 4. The future growth of Wilson County. I request removal from the Plan: The Cibolo-Valley Local Government Corporation Carrizo Project (for 10,000 acre-feet of Wilson County Carrizo Water). I request disallowance of the construction in Wilson County of treatment facilities, pumping stations, pipelines ad all related infrastructure proposed by two projects directly linked to the CVLGC Carrizo project that target up to 11,500 additional acre-feet of Carrizo water from Gonzales and Guadalupe Counties.</p> |
| 68 | 367 | Charles Scribner | <p>This issue reminds me of a quote from Horatio Bunce to Dayy Crockett concerning people's tax money. It goes like this, "It is not yours to give". The same principle applies to water under other people's land. Your board and evergreen wcd have man made authority on water tables but the reality is taking the water or allowing the sale of the water is theft from the people that don't agree to exploit the natural resource for an area that chooses to over develop itself.</p> |
| 69 | 368 | Carmen Mero | <p>Cibolo Valley Local Government Corporation and statistics in the IPP fail to prove that a need exists for the proposed Wilson County Carrizo Project. This project should be removed from the 2016 IPP and recive no further state funding. The project is opposed by Wilson County Commisioners Court, the City Councils of every city in the county, the water supply corporations and the residents of Wilson County. Additionally, we urge the removal of Alan Cockrell from the Region L board, SCTRWPGE, and the Carrizo Aquifer work group and his replacement with someone who can represenet agriculture, not wholesale water providers. His presence on this board since 2011 has favored the projects of his employers to the detriment of agriculture.</p> |
| 70 | 369 | Paul & Laura Dylla | <p>Please excuse the intamacy but we are desperately seeking help in Wilson County to STOP THE STEALING OF WATER FROM THE CARRIZO AQUIFER by Cibolo Valley group. They intend to essentially steal water from the Carrizo to sell and use for their obnoxious growth in Guadalupe and Comal, and north eastern Bexar County. When they had already purchased millions of gallons from Guadalupe River and they then sold to San Antonio city. So now looking to , a large Carrizo water shed to fulfill excess growth in Bexar County and surrounding northern counties. Wilson co has large agriculture industry that needs this water...esp western areas of Wilson. Personally I know of a man who already sells 4000. Worth of water a month near Nixon to San Antonio from a well on his private property. Do all of these private property wells sales to big cities get reported. Now another entity public ally wants to steal water? When will all this water be enough for San Antonio???</p> |
| 71 | 370 | The City of Cibolo Texas signed/submitted by Lisa M. Jackson, Mayor of City of Cibolo | <p>Resolution 1508 - A resolution of the City Council of the City of Cibolo, Texas supporting the Cibolo Valley Local Government Corporation project in Wilson County and its inclusion in the Texas Water Development Board's South Central Texas (Region L) Regional Water Planning Area's Regional Water Plan.</p> |

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| 72 | 371 | San Miguel Cattle Company - Kay Love | IPP is not consistent with long-term protection of the state's water resources, agricultural resources, and natural resources.Group has failed to fully evaluate the IPP's effects on agriculture, rural communities, and Carrizo Aquifer. Remove all proposed water transport project from the 2016 IPP that affect Wilson County due to lack of data provided and the unstudied effects of these projects.CVLGC should be removed as a WMS and an alternative strategy with no further study and no state funding. Support notification of county officials before proposals are included in the planning process. Amend bylaws to include notification process and urge modifications to TAC to provide local notification. PLANNING PROCESS AND POLICY RECOMMENDATIONS: Process seriously flawed - little effort given to a cohesive region-wide long-range plan. Recommendations 1-6 Section 8.3.1. would have been better applied to individual proposals during the planning process rather than added as disclaimers. Inclusion of alternative strategies fosters uncertainty and confusion. WATER TRANSPORT: proposals included that have not received adequate study by admission of the this plan in Section 8.2.1 Water transport abuses the rule of capture. Greater scrutiny of projects proposed by wholesale water providers that involve water transport. Water transport moves economic prospects from rural to urban economies. SUSTAINABILITY OF AQUIFERS: no attention given to the sustainability of affected aquifers. AGRICULTURE: "is not practical", complexity "limits the ability" to evaluate future needs. Ag affects multiple strategies in the plan but needs of agricultural and rural communities are ignored or discounted. Stats used throughout the plan are questionable and predict no increased need in the future. Carrizo Aquifer Management Work Group is problematic. Cockerell does not represent agriculture. ERRORS AND OMISSIONS: 2.10.6 TX Water Alliance is not a group of landowners. 2.10.8 CVLGC is characterized as a partnership between the Cities of Cibolo and Schertz created to develop more groundwater supplies within the local area. CVLGC Carrizo Project is NOT a local project but a water transport project. Section 6.4: seven projects total over 100K af annually with no study or report showing socioeconomic impacts of moving water from rural areas. Section 6.5 Social and Economic Impacts of Not Meeting Projected Water Needs: IPP is incomplete w/o info that should be found in this section. The public should have the opportunity to cmment during the initial comment phase. Section 6.7 Environmental Benefits and Concerns: This section only assumes the environmental benefits from the projects removing water from Carrizo. The pipelines alone represent environmental impact and unstudied environmental concerns. Section 8.1.1 Irrigation Water Needs: Ag needs are ignored throughout the plan. Rather than require WWP's to provide strategies to protect ag, SCTRPG asks TWD to study the issue and develop strategies. Table 6-11 illustrates again the power of the WWP's over the resource owners. Section 8.3 Groundwater: caveats, disclaimers, and recommendations illustrates the fact that the composition of the board favors cities and WWP's over resource owners, the environment, and agriculture. It threatens the sustainability of the Carrizo aquifer. Section 8.10.4 County Authority: "should have additional authority for land use planning and for regulating development based on water availability and protection of water resources" yet makes no suggestions and proposes no action. Local control of resources is paramount. Wilson County asks SCTRWPG to acknowledet the value of local control. Conclusion - regional planning has been co-opted by WWP's and large users...only by more equitable representation can water planning succeed in developing a consensus. |
| 73 | 372 | Springs Hill Water Supply Corp, Jeanne Schnuriger, General Manager Guadalupe County Commissioners Court | Commissioners Court Guadalupe County No 08112015 - Resolution in Support of Consolidating Water Projects Through Guadalupe County. 1. The Guadalupe County Commissioners Court supports the consolidated alignment of the TWA Regional Carrizo Project and the HCPUA Regional Carrizo Project where both pipelines are in close proximity running through Guadalupe County. A combined pipeling would be practical and prudent and satisfy the needs and objectives of both entities and would additionally insure a reliable water supply along the SH 123 corridor between Seguin and San Marcos and provide tapping opportunities to serve the SH 130 growth corridor; and 2. Precinct 1 Commissioner Greg Seidenberger is appointed to represent the Guadalupe County Commissioners Court in negotiations with neighborhing counties and water entities located along the rapidly urbanizing SH 123 corridor between Seguin and San Marcos to avoid the duplication of pipelines and to encourage potential sharing of pipeline capacities. |
| 74 | 373 | Darrell T. Brownlow, Ph.D | Comparisons to 2005 proposed project for SAWS to pump from Carrizo Aquifer and 2006 plan not submitted on time. Differnces: 1) GAM now determine the MAG through application of modeled DFC's. 2) water availability of projects within the 2016 Plan is a function of what the GMAs indicate as available (zero yield for this project). 3) 2015 Cibolo Valley project has presented no technical data related to the effects of proposed long term pumping. Commonalities: 1) united and reasoned opposition from Wilson County residents and elected officials as well as concerns from Evergreen UWCD and 2) ample additional water supply oportunties apart from the proposed project to meet the project sponsor's needs. Allowance for projects with no firm yield is problematic. A project sponsor should successfully petition the GMA for a change in managed avaiable groundwater which would accomodate their project, and then submit the project as part of the next Regional Planning Cycle. Respectfully request the Regional Planning Group exclude the above referenced Cibolo Valley project from the IPP. |
| 75 | 374 | Texas Parks and Wildlife, Ross Melinchuk, Deputy Executive Director, Natural Resources | Agency charged with primary responsibility for protecting the state's fish and wildlife resources, TPWD is positioned to provide technical assistance during the water planning process. From the perspective of environmental impacts, ASR projects are generally preferred over surface reservoirs since habitat impacts can be minimized. Appendix G - TPWD recommends including a discussion of aquatic exotic species including but not limited to tilapia and sailfin catfish...The overall environmental impact score for the 2016 IPP is in the midrange compared to previous water plans for the region, it has a higher potential to impact endangered, threatened, and species of concern due to the number of projects and pipelines traversing sensitive areas. The 2016 IPP is also projected to have less impact than previous plans on vegetation and wildlife habitat, largely due to the absence of large main-stem reservoirs included in earlier plans.Finally, the 2016 IPP appears to project moderate water quality and aquatic habitat impacts. Overall the 2016 IPP is projected to have slightly greater cumulative impacts than the 2012 plan for this region...TPWD tends to agree with the statement that the predicted impacts associated with the smaller (but more numerous) strategies in the 2016 IPP may be more easily avoided and or mitigated than the large scale impacts associated with reservoirs in earlier water plans. The SCTRWPG is to be commended for its strong emphasis on water conservation, reuse, and drought contingency planning. Concerns remain regarding potential impacts associated with several strategies. Several WMS's are recommended for stream segments identified by TPWD as ecologically significant. Increased groundwater development may impact small springs and adversely impact groundwater-surface water interactions...Both seawater and brackish groundwater desalination can be ecologically advantageous strategies, as long as issues such as impingement and entrainment at intake locations and brine disposal options are carefully considered. HB2013 requires consultation with TPWD and the General Land Office regarding siting of seawater desal intakes and discharges. TPWD highly commends SCTRWPG's efforts that have resulted in the successful designation of five segments recommended in the IPP as ecologically unique. Recognition is deserved for drought management as a water management strategy, aquifer storage and recovery projects, seawater desalination, use of off-channel reservoirs, use of recycled water for non-potable uses for several water user groups, and an ecological analysis of the impact of the 2016 plan. |

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| 76 | 375 | San Antonio Interfaith Power & Light, Betty Dabney, PhD | <p>1.0) As people of faith, we believe there is a moral responsibility for the Region L and Tx State Water Plans to be driven above all by the needs for sustainability, equity, preservation of the environment and accountability on the part of both planners and municipal water systems. Currently, worse-case supply is used and it would be more equitable if it addressed the "triple bottom line": people (esp disadvantaged), economy, and environment. 2.0) Sustainability and Conservation: programs should be inclusive, tiered rate structure set at 10 gpcd intervals, great injustice using fixed minimum charges and fees are structured. Support BMPs but timetable should be more aggressive. Support HB 4 Water Conservation Advisory Committee immediate incorporation and for ongoing planning. Suggestions for municipal water conservation programs. Zero discharge should require potential effects on people, agricultural, estuaries and wildlife downstream in a formal Env Impact Statement. Recommend more stream gauges be installed to account for flow in all the permitted surface waters of the State. Inter-county and inter-regional transfer of water from agricultural to urban regions should be discouraged. More state funds should be available for conservation easements and purchase of urban lands suitable for open space. 3.0) Sustainable landscaping - SA Food Policy Council and more representing environmental and minority interestes shoud on the Region L Committee. 4.0) Water Quailty and Security. ASR be built preferentially to surfact reservoirs for developing additional storage capacity. 5.0) Transparency and Accountability. TWDB And Region L need to be explicit in how they arried at numbers for plans. Transparent, truthful costs of water in terms of society, economics and business, environment and social aspects, and fro these costs to be sustainable over time. Appendix A - the difference between the projected water deficits and capacity of proposed projects to make up those deficits needs to be reconciled. TWDB should preform analysis to sustainability for each user group in each watershed commonwealth of Region L and the State, prefer. w/o transporting water from rural to urban areas or from state to state. When applying for public funds, water conservation goals should be a more important consideration of the SWIFT eligibility criteria, weighted toward receiving maximum points for successful implementation. Support Model Industrial/Mining Water Conservation Plan by TCEQ and fracking should not be exempt. Recommend a statewide study of water rates and water transfer costs. SWIFT should encourage new and experimental technologies so long as they don't damage the environment or contribute to inequalities. Public water districts should use only the water in their watershed commonwealth. All aquifer levels should be monitored and published. Exisiting systems should have higher priority for access to water than new ones. Preservation os land from development in environmentally sensitive areas is critical to sustainability of water quality and quantity. 6.0) More effective cooperation between different state agencies with respect to water. Farmers should be required to implement BMP's for ag waer outined in the SCRWPA 2016 IPP in order to qualify for drought relief subsidies. Planning within sections should be done on a multi-sate level with due consideration of the effect on international treaties and trade agreements. There should be a linkage between water ratemaking and planning, including considerations of environmental impacts and sustainability as well as social equity. TWDB is urged to develop a rating model for each proposed WMS which is capable of evaluating impact fees and water unit costs in relation to other managment alternatives, with enhanced conservation comprising the foundational elements. TWDB, PUCT, TCEQ and others shold be combined into one agency. As a minimum, water advocate liaison could be funded by the Lege to help the public navigate the increasingly complex territory of multiple water regulation agencies. Legislation should allows for land use planning to be integrated at the municipal, county, and state levels. Texas water law needs to be based on science and the interconnectedness of all water in the hydrological cycle. All withdraws, even for private use, should be permitted and regulated. 7.0 Conclusion.</p> |
| 77 | 376 | Ted Boriack | <p>Board Membership (should include additional members from the actual farm and ranch sector); Conservation (should put much greater emphasis on the use of alternative water resources and conservation; There is nothing desirable about the DFC planning method; Rural Development (based on decline of the rural agriculture areas to supply the perpetual growth of thirsty cities; it is not possible to grow Texas agriculture relative to the projected population growth if farms and ranches use water as forecasted in the Plan); Specific Water Use Strategies (Gonzales County Underground Water Conservation District had granted more water permits than would allow meeting the Desired Future Conditions. Despite this, the Region L plan includes many proposed new water use strategies to greatly expand the exportation of water from the GCUWCD); The Texas Water Alliance Project (example of a large water project gaming the planning system--it should have never been in the Region L plan without having first established a legitimate destination for the produced water; Gonzales County Underground Water Conservation District Rules and Management Plan (The GCUWCD is currently modifying its rules, and will be updating its management plan; now include aquifer management units, allow a groundwater well be seperated substantially from the land allocated to its production, establishing water rights for municipalities by rule instead of by land purchase or leasing of water rights</p> |
| 78 | 377 | Dianne Wassenich | <p>The extreme redundancy of the long "dream list" of recommended water projects is a problem; The place for projects that are not suitably fleshed out yet is in the alternative category-especially for the recommended projects that have 0 yield listed; Piping water long distances from rural counties to enable paving over our central Texas cities' aquifer recharge zones; Those BBEST/BBASC efforts are ignored in the way the environmental assessment is done in Region L. The assessment is an afterthought rather than looking at what the bays need and finding ways to provide that through the water planning process; two new GBRA lakes planned, lakes are a damaging and outdated type of water project, strongly support the ASR projects and reuse and water conservation projects in this plan; brush removal could cause us problems in the long run, we need careful and selective brush management; the way demand is determined is not appropriate as a basis for the plan; I support the Unique Stream Segments; conflicts of interest using the firms that want to build the projects discuss those conflicts openly; Rainwater harvesting needs to be emphasized more.</p> |
| 79 | 378 | SOS Alliance (Save Our Springs Alliance) submitted by Lauren Ice, Staff Attorney | <p>Rather than include all proposed projects in the Region L plan, the RWPG should work to scrutinize and prioritize the most necessary and sensible projects based on defined criteria. The criteria should be: Innovative and water neutral solutions; Municipal water conservation efforts; Intra-basin transfers over unnecessary inter-basin transfers; Limiting non-essential water use during drought; Environmental flows as a water demand; Groundwater projects that do not exceed an aquifer's MAG limitation; Projects that account for interconnectivity of surface and ground water; Projects that will not enable a community to exceed sustainable growth patterns. Following projects should absolutely NOT be included on the list: Vista Ridge Project; TWA Regional Carrizo; Hays Forestar Project</p> |
| 80 | 379 | Mr. and Mrs. John Doyle and Family | <p>Remove the Cibolo Valley Local Government Corporation's Wilson Carrizo Project</p> |
| 81 | 380 | Ginger Coleman | <p>According to section 1.6, are not qualified but are "expected" to be qualified. If that's the case, I object to and request removal of: a. Texas Water Alliance (TWA), b. Cibolo Valley Local Government Corporation (CVLGC), c. Hays-Caldwell Public Utility Agency (HCPUA); I object to the Cibolo Valley Local Government Corporations Carrizo Project: (Wilson County has projected needs in the 50-year planning horizon. Niagara Bottling facility scheduled to be built in Seguin in 2016 conflicts with other water supply projects for Wilson County recommended supply of water for the CVLGC Carrizo Project is zero acre-feet per year); Sufficient surveys and studies have not been completed; Transport of water through pipelines results in water and the potential impacts of the infrastructure to the surrounding environment and culture have not been fully assessed, does not show a need for water for the Cibolo Schertz area until the year 2030, to be proposed in the next five-year plan rather than the current IPP. I object, the Schertz-Seguin Local Government Corporation "Expanded Carrizo" Project; I oppose the construction in and through Wilson County of treatment facilities, pumping stations, pipelines and any related infrastructure; and I object to both of the above CVLGC-linked SSLGC Projects. Mr. Cockrell is a voting member of the Region L Planning Group; Please provide Region L's justification; Agricultural needs do not appear to be accurately or appropriately addressed in the IPP, it's not clear how the projections could remain practically the same, or be reduced, from decade to decade for those categories over the projected 50-year period. The CVLGC Project and other projects conflict with other water supply projects essential to Wilson County's. If approved in its current form, this IPP will have served to create a market for wholesale water providers at the expense of every resident, business and municipality in Region L. Niagara bottling. I object to the over-commitment of groundwater resources exceeding the Desired Future Conditions and to the inclusion in the IPP of several projects for which there is zero water availability. I object to the fact that the public is expected to decide whether or not to object to a proposed project when almost every project is missing sufficient modeling as reflected in the description in Volume II. I object to and am offended by, the "solution" offered in the IPP for rural area residential and commercial "customers" in the event our water needs are reduced or non-existent. I objected to the depletion of Wilson County resources for monetary gain of a WWP in the next county. Correction of omissions, missing at least two appendices, F (Socio-economic impacts) and L (WAM Data Files). Section 1.6.6 and 2.10.6 of the IPP state the description of TWA in the IPP is misleading, at best, and possibly false.</p> |
| 82 | 381 | Will Conley, Hays County Commissioner Precint 3 | <p>The 2016 Initially Prepared Plan does not resemble the alignment of pipelines that existed in the 2011 Adopted Regional Water Plan. Hays County Commissioners Court passed a resolution to request that both Region L and Region K include a pipeline transporting water from Region L to Region K that would simply be a pipeline to Dripping Springs from the Kyle-Buda-Lockhart area. The 2016 Initially Prepared Plan isn't consistent with Hays County's position.</p> |
| 83 | 382 | Dripping Springs Water Supply Corp. | <p>Resolution Recommending Changes in Initially Prepared 2016 Region K & L Water Plans. The proposed Regional Carrizo pipeline to Dripping Springs WSC, West Travis County PUA, and Hays Rural from Wimberly along RR 12 not be included in the Regional Water Plans for both Region "K" and Region "L" and, the proposed Regional Carrizo pipeline to Dripping Springs WSC, West Travis County PUA, and Hays Rural include a pipeline that imports Carrizo Water from Region "L" that goes to Buda and then generally following the alignment of FM 967</p> |
| 84 | 383 | Donna Campbell, M.D., Texas State Senator District 25 | <p>The CVLGC submitted a project to Region L which was included in the Region L 2016 Initially Prepared Plan. This project would ensure a 50-year supply of water for the area at a reasonable price. The CVLGC project is a model for managing water regionally. I ask that this project remain in the Region L 2016 plan.</p> |

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| 85 | 385 | Wimberly Valley Watershed Association's (WVWA)-Submitted by David Baker, Executive Director | <p>Broad recommendations for the improvement of the regional planning process, specific policy commendations drawn from policies outlined in the IPP's, recommendations for additional study and research, and comments on specific Water Management Strategies. Broad Recommendations: adopt and apply a set of guiding principles that will serve as a blueprint for long-term water sustainability; prioritize and encourage decentralized systems and new technologies that capture, use, and reuse water in place. Where there is not practicable, priority should be given to a water neutral growth policy that requires offsetting the projected water demand of new development with water efficiency measures to create a "net zero" or neutral impact on overall service area demands. Additional definition is needed for Water Management Strategies (WMS). Better definition of WMS categories and vigorous prioritization will help control the redundant and exceedingly lengthy lists. The two-tier system of WMS categorization needs to be revisited, promote healthy sustainable watersheds. Alternate Strategy reserved for those strategies that are duplicate or do not fulfill the TWDB's minimum criteria. Should create and enact conflict of interest policy; prioritize strategies that protect the inherent interconnectivity of surface water and groundwater; de-prioritize water management strategies, dewater one region to meet the speculated need of another in the form of inter-basin pipeline transfers or otherwise; discontinue the practice of considering Water; rely on Groundwater that has exceeded its MAG limitations. It is vital that the state assess the sustainability of water consuming growth patterns; Counties should have additional authority for land use planning and for regulating development based on water availability and protection of water resources; Eminent Domain powers should be recognized as contributing to the disruption of the values that undisturbed landscapes bring to natural hydrologic and ecologic funcitons; Rainwater harvesting should be widely encouraged to meet rural and urban domestic water demands, as well as use for limited irrigation, such as vineyards, orchards or small farms under drip irrigation. Livestock and wildlife can also be provided supplemental water; The revision of population and demand estimates should be put before the public; It is reasonable that the RWPGs encourage Hill Country Groundwater Conservation Districts to consider management rules; RWPGs should encourage better communication between RWPGs and GMAs to improve conflicting methodologies; The Hill Country contains ecologically prestine areas in the State, preservation of, via component of Region's economy. WVWA recommneds to actively promote the designation of its listed unique stream segments in the 2017 legislature. RWPGs should encourage funding for projects that empower landowners to better manage their lands; Water-user groups should develop more uniform conservation oriented management plans. The state should fund or conduct specific stuties to shed more information on specific water resource issues critical to future decisions. Aquifer Science-A basic, unbaised, scientific study encompasses characterization of inter-formational flow between surface water flows is needed in order to make informed management decisions, recommendations to maintain sustainable systems; Trinity Aquifer-should explore the creation of Regional Trinity GCD. This concept should be revisited and studied for the broader region; Headwaters Groundwater/Spring-flow Analysis-Surface water base-flow is derived almost exclusively from groundwater discharge thorough springs. A study is needed to evaluate this critical intersection so that future management decisions can be based on a more substanstial level of knowledge; Groundwater/Surface Water Relationship-encourage TWDB to embrace this concept and focus on water availability studies; Unpermitted Withdrawals of Riparian Water-State agencies should devise a survey method to establish a reasonable estimate of these diversions; Optimization of Water Conservation and Efficiency-record of success is not univeral in Texas, many communities & utilities have made minimal or no efforts to advance water conservation ad efficiency. A study is needed in Texas to advance water conservation and efficiency, potential for reducing demands and enhancing conservation and efficiency, and the steps to achieve that goal; Conservation & Drought Management-There is a need for the funding of educational programs by State agencies in educating both the public and private sectors. RPG should push for funding of programs. Strategy Evaluations: WVWA notes that 11 out of 61 (18%) in the 2016 SCTRWP recommeneded potentially feasible water management strategies; Region L should be commended for recommending conservation, reuse strategies as net-zero water supply projects; Management strategies should be reevaluated on the basis of MAG limitationis, recharge rates, and aquifer health. Following are prime examples-Vista Ridge Project, TWA Regional Carrizo Project, CRWA Wells Ranch Project, TWA Trinity Project, and New Braunsfels Trinity. WVWA recommend that alternative supplies be explored. Rainwater projects represent fiscallly comparable and resource viable alternatives to aquifer reliance</p> |
| 86 | 386 | Hill Country Alliance, Charlie Flatten, Water Policy Program Manager | <p>Broad recommendations: Guiding principles, water neutral solutions, wish list not good, WMS categories need to be revisited, and consulting firms conflict of interest. Specific Policy Recommendations: priortize projects that protect interconnectivity of surface water and groundwater. De-prioritize projects that dewater one region to meet speculated needs of another. MAG limitations should not be exceeded. Counties should have authority. Eminent domain powers should be recognized. Rainwater harvesting should be encouraged. Rivision of population and demand estimates for public review. Management rules based on spring-flow. RWPGs and GMA's better communication. Unique Stream Segments should continue. Balanced approach to brush control - WSEP must be avoided. WUG's use gallons per capita per day unit. Study and Data Needs: Aquifer science, Trinity Aguifer, Headwaters GW/Springflow analysis, GW/Surface Water Relationship, Unpermitted withdrawals of Riparian Water, Optimizatino of Water Conservation and Efficency, Conservation and Drought Management. Regionally Specific Water Management Strategy Evaluations: Vista Ridge, TWA Regional Carrizo, Hays Forestar, CRWA Wells Ranch, TWA Trinity, News Braunfels Trinity - use alternative supplies such as rainwater projects should be explored.</p> |

Texas Water Development Board

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July 21, 2015

Mr. Con Mims, Chair
c/o Nueces River Authority
200 E. Nopal, Suite 206
Uvalde, Texas 78802

Mr. Cole Ruiz
San Antonio River Authority
100 E. Guenther Street
San Antonio, Texas 78283

Re: Texas Water Development Board Comments on the South Central Texas Regional Water Planning Group (Region L) Initially Prepared Plan, Contract No. 1148301323

Dear Mr. Mims and Mr. Ruiz:

Texas Water Development Board (TWDB) staff completed a review of the Initially Prepared Plan (IPP) submitted by May 1, 2015 on behalf of the Region L Regional Water Planning Group. The attached comments follow this format:

- **Level 1:** Comments, questions, and online regional water planning database revisions that must be satisfactorily addressed in order to meet statutory, agency rule, and/or contract requirements; and,
- **Level 2:** Comments and suggestions for consideration that may improve the readability and overall understanding of the regional water plan.

The TWDB's statutory requirement for review of potential interregional conflicts under Title 31 Texas Administrative Code (TAC) §357.62 will not be completed until submittal and review of adopted regional water plans. However, as previously requested by our Executive Administrator, please inform TWDB in advance of your final plan if your planning group believes that an interregional conflict exists. Additionally, subsequent review will be performed as the planning group completes its data entry into the regional water planning database (DB17). If issues arise during our ongoing data review, they will be communicated promptly to the planning group to resolve.

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| Our Mission | : | Board Members |
| To provide leadership, information, education, and support for planning, financial assistance, and outreach for the conservation and responsible development of water for Texas | : | Bech Bruun, Chairman Carlos Rubinstein, Member Kathleen Jackson, Member |
| | : | Kevin Patteson, Executive Administrator |

Title 31 TAC §357.50(d) requires the regional water planning group to consider timely agency and public comment. Section 357.50(e) requires the final adopted plan include summaries of all timely written and oral comments received, along with a response explaining any resulting revisions or why changes are not warranted. Copies of TWDB's Level 1 and 2 written comments and the region's responses must be included in the final, adopted regional water plan. While the comments included in this letter represent TWDB's review to date, please anticipate the need to respond to additional comments regarding data integrity, including any water source overallocations, in the regional water planning database (DB17) once data entry is completed by the region.

Standard to all planning groups is the need to include certain content in the final regional water plans that was not yet available at the time that IPPs were prepared and submitted. In your final regional water plan, however please be sure to also incorporate the following:

- a) Completed results from the regional planning group's infrastructure financing survey (IFR) for sponsors of recommended projects with capital costs [31 TAC §357.44];
- b) Completed results from the implementation survey [31 TAC §357.45(a)];
- c) The socioeconomic impact evaluation provided by TWDB at the request of the planning group [31 TAC §357.33(c)];
- d) Documentation that comments received on the IPP were considered in the development of the final plan [31 TAC §357.50(d)];
- e) Evidence, such as a certification, that the final, adopted regional water plan is complete and adopted by the planning group [31 TAC §357.50(j)(1)]; and,
- f) The required DB17 reports, as made available by TWDB, in the executive summary or elsewhere in the plan as specified in the Contract [31 TAC §357.50(e)(2)(B), *Contract Scope of Work Task 4D(p)*, *Contract Exhibit 'C', Table 2*]. Please ensure that the numerical values presented in the tables throughout the final, adopted regional water plan are consistent with the data provided in DB17. For the purpose of development of the 2017 State Water Plan, water management strategy and other data entered by the regional water group in DB17 (and as presented in the regional plan) shall take precedence over any conflicting data presented in the final regional water plan [*Contract Exhibit 'C', Sections 12.1.3. and 12.2.2*].

The following items must accompany, separately, the submission of the final, adopted regional water plan:

- The prioritized list of all recommended projects in the regional water plan [*Texas Water Code 15.436(a)*, *Contract Scope of Work Task 13*]; and,
- Any remaining hydrologic modeling files or GIS files that may not have been provided at the time of the submission of the IPP but that were used in developing the final plan. [31 TAC §357.50(e)(2)(C), *Contract Exhibit 'C', Section 12.2.1*; *Contract Scope of Work Task 3-III-13*]

Note that provision of certain content in an electronic-only form is permissible as follows: Internet links are permissible as a method for including model conservation and drought contingency plans within the final regional water plan; hydrologic modeling files may be submitted as electronic appendices, however

Mr. Con Mims
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all other regional water plan appendices should be incorporated in hard copy format within each plan [31 TAC §357.50(e)(2)(C), *Contract Scope of Work Task 5e, Contract Exhibit 'C', Section 12.2.1*].

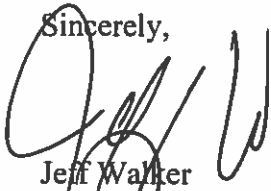
The following general requirements that apply to recommended water management strategies must be adhered to in all final regional water plans including:

- Regional water plans must not include any strategies or costs that are associated with simply maintaining existing water supplies or replacing existing infrastructure. Plans may include only infrastructure costs that are associated with volumetric increases of treated water supplies delivered to water user groups or that result in more efficient use of existing supplies [31 TAC §357.10(28), §357.34(d)(3)(A), *Contract Exhibit 'C', Section 5.1.2.2, Section 5.1.2.3*]; and,
- Regional water plans must not include any retail distribution-level infrastructure costs (other than those costs related to conservation strategies such as water loss reduction) [31 TAC §357.10(28), §357.34(d)(3)(A), *Contract Exhibit 'C', Section 5.1.2.3*].

To facilitate efficient and timely completion, and Board approval, of your final regional water plan, please provide your TWDB project manager with early drafts of your responses to these IPP comments for preliminary review and feedback.

If you have any questions regarding these comments or would like to discuss your approach to addressing any of these comments, please do not hesitate to contact Temple McKinnon at (512) 475-2057. TWDB staff will be available to assist you in any way possible to ensure successful completion of your final regional water plan.

Sincerely,



Jeff Walker
Deputy Executive Administrator
Water Supply and Infrastructure

Attachments

cc w/att: Mr. Sam Vaughn, HDR, Inc.

TWDB Comments on the Initially Prepared 2016 South Central Texas (Region L) Regional Water Plan

Level 1: Comments and questions must be satisfactorily addressed in order to meet statutory, agency rule, and/or contract requirements.

1. Tables 2-10 through 2-17: It is not clear whether the information provided in the tables referenced presents the current contractual obligations of wholesale water providers (WWPs) in the region. Please confirm in the final, adopted regional water plan. [31 Texas Administrative Code (TAC) §357.31(c)]

Response: Text has been added to Page 2-16 to clarify.

2. The plan in some instances, does not appear to include a quantitative reporting of impacts to agricultural resources. For example, strategy evaluations 5.2.9, 5.2.11, 5.2.14, 5.2.21, 5.2.23-27, 5.2.34, 5.2.35, and 5.2.37 do not appear to include quantified impacts to agricultural resources. Please include quantitative reporting of impacts to agricultural resources, including when there is no impact, in the final, adopted regional water plan. [31 TAC §357.34 (d)(3)(C)]

Response: Text has been added to Page 6-59 to address region-wide agricultural impacts. In addition, text has been added to water management strategy evaluations to address strategy-specific impacts, if any.

3. Pages 5.3-18, 5.3-23, and 5.3-90: The plan does not appear to include conservation practices for all water user groups to which Texas Water Code (TWC) §11.1271 and §13.146 apply. For example, the City of Kirby and East Central SUD and Green Valley SUD to which these Water Code requirements apply. Please address this requirement in the final, adopted regional water plan. [31 TAC §357.34(f)(2)(A)]

Response: Projected per capita water goals with use of low flow plumbing fixtures for these three entities (and potentially others) are lower than the stated Region L advanced water conservation goals.

4. Volume II, Section 5.2.3: The Facilities Expansion Water Management Strategy appears, in some cases, to include infrastructure components that do not appear to increase the supply to end users. For example, the Port O'Connor treatment and distribution system improvements. Water management strategy components included in regional water plans must be limited to the infrastructure required to develop and convey increased water supplies from sources and to treat the water for end user requirements. Maintenance of existing equipment or wells or improvements to treatment processes shall not be included as a recommended strategy with capital costs. Please remove these strategies and costs from the final, adopted regional water plan. [Contract Exhibit 'C', Sections 5.1.2.2 and 5.1.2.3]

Response: Section 5.2.3 has been revised to exclude Port O'Connor's treatment and distribution system improvements.

5. Volume II, Sections 5.2.35 and 5.2.40: Please clarify in the plan whether the evaluations of water management strategies for "GBRA Lower Basin Storage" and "Lavaca River - OCR "are based on an unmodified Texas Commission on Environmental Quality (TCEQ) WAM Run 3 in the final, adopted regional water plan. If not, please evaluate these strategies using an unmodified TCEQ WAM Run3 for the final, adopted regional water plan. [*Contract Exhibit 'C', Section 3.4.2*]

Response: Sections 5.2.35 and 5.2.40 have been revised to clarify.

6. Chapter 7: The plan does not appear to summarize information on existing emergency interconnections. Please indicate whether any local drought contingency plans involve making emergency connections between water systems or WWP systems and, if so, please also provide a general description in the final, adopted regional water plan. [*31 TAC §357.42(e)*]

Response: Sections 7.3 and 7.4 summarize this information. Separate documentation was provided to TWDB relating to specific information for existing interconnects. Table 7.4-1 has been revised to indicate emergency interconnections in local drought contingency plans.

7. Section 7.7: Please indicate how the planning group considered relevant recommendations from the Drought Preparedness Council (a letter was provided to planning groups with relevant recommendations in November 2014) in the final, adopted regional water plan. [*31 TAC §357.42(h)*]

Response: Text has been added to Page 7-15 to address the Drought Preparedness Council's letter.

8. Chapter 10: The plan does not include documentation regarding the public process during the development of regional water plan. Please clarify whether the regional water plan was developed in accordance with the public participation requirements of the Texas Open Meetings Act in the final, adopted regional water plan. [*31 TAC §357.21, §357.50(d)*]

Response: Chapter 10 will be included in the final 2016 South Central Texas Regional Water Plan, detailing the public process, the public hearings, and the responses to comments.

9. Please provide a statement regarding any water availability requirements promulgated by a county commissioners court pursuant to TWC §35.109, which in Region L applies to the northern Bexar County, Hays, Comal, and Kendall County Priority Groundwater Management Area. [*31 TAC §357.22(a)(6)*]

Response: Text has been added to Page 3-2 to address Priority Groundwater Management Areas and any requests from county commissioners courts.

10. Please describe how the Texas Clean Rivers Program was considered in the final, adopted regional water plan. [31 TAC §357.22(a)(7)]

Response: Text has been added to Page 1-31 to address the Texas Clean Rivers Program.

11. Please clarify whether the plan development was guided by the principal that the designated water quality and related water uses as shown in the state water quality management plan shall be improved or maintained. [31 TAC §358.3(19)]

Response: Text has been added to Page 1-31 to address the state water quality management plan.

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| Level 2: Comments and suggestions for consideration that may improve the readability and overall understanding of the regional water plan. |
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1. Please consider including a brief explanation of the differences between the 2011 and 2016 plans regarding surface water availability in the final, adopted regional water plan.

Response: Text has been added to Page 11-4 to describe the differences in the surface water availability in the 2011 and 2016 Region L Plans.

2. In the development of region-specific drought contingency plans, please consider including, at a minimum, triggers and responses for ‘severe’ and ‘critical/emergency’ drought conditions or indicate how these would be captured with the use of the recommended TCEQ templates in the final, adopted regional water plan.

Response: Section 7.5 includes information about Region Specific Drought Response. Text has been added to Tables 7.5-1 and 7.5-2 to indicate the ‘severe’ and ‘critical/emergency’ stages of the drought contingency plans.