

Figure 1 – The 16 planning regions established in the Senate Bill 1 regional water planning process.

Partially due to the very limited attention to municipal water efficiency measures which emerged from the first SB 1 cycle, in 2003 the Texas Legislature created the Water Conservation Implementation Task Force (WCITF). Among other things, the WCITF, which included representatives from a wide variety of interest groups, developed a best management practices guide⁷. That guide includes the development of specific goals for municipal water conservation and water efficiency. First, the guide recommends that all municipal water user groups (cities, municipal water districts, rural water supply corporations), or in regional water planning parlance, WUGs, should strive to achieve a water use level of no more than 140 gallons per person per day (gpcd) over the long-term. The second goal to guide water conservation efforts is that municipal WUGs with water use above 140 gpcd should strive to achieve a one percent reduction in per capita municipal water use per year.

One finding of the WCITF, which was a particularly divisive issue, is of particular relevance for this paper. The official report of the WCITF recommended that municipalities, when calculating their net water use rate, should be given credit for all wastewater reused. While wastewater reuse is certainly a topic of considerable interest for water supply planning, the National Wildlife Federation and this author, do not believe that reuse of wastewater should be confused with

⁷ Available at: <http://www.twdb.state.tx.us/assistance/conservation/taskforce.asp>

water efficiency measures. Water efficiency measures generally involve efforts to actually reduce or alter water consumptive behavior “at the tap.” Such changes not only reduce source water utilization, but result in less water treatment and distribution cost for the utility and the possibility of delaying or avoiding costly water supply infrastructure. Water efficiency measures also can be seen as a “source” of water with essentially no environmental effects. In fact the 2007 State Water Plan refers to such savings as “new supplies.” Wastewater reuse, on the other hand, while it can reduce source water utilization, does not share the pump and treatment savings nor the benign environmental character of actual water efficiency measures. Giving credit for reuse, in this author’s opinion, amounts to a great potential obfuscation of a lack of effort and/or success to actually achieve the full benefits of water efficiency savings. Thus, for the purposes of this paper, I will use the terminology “water efficiency” to indicate many measures that are more generally know as “water conservation,” but in this case the distinction is made in order to strictly exclude wastewater reuse.

Although the availability of improved information on water efficiency no doubt played a role in increasing the amount of proposed savings in the regional water planning efforts, the results of that process were highly variable with regard to proposed actual water use rates. Figure 2 illustrates the net water use rates in 2060, after the proposed municipal water efficiency savings in the regional water planning process are accounted for.

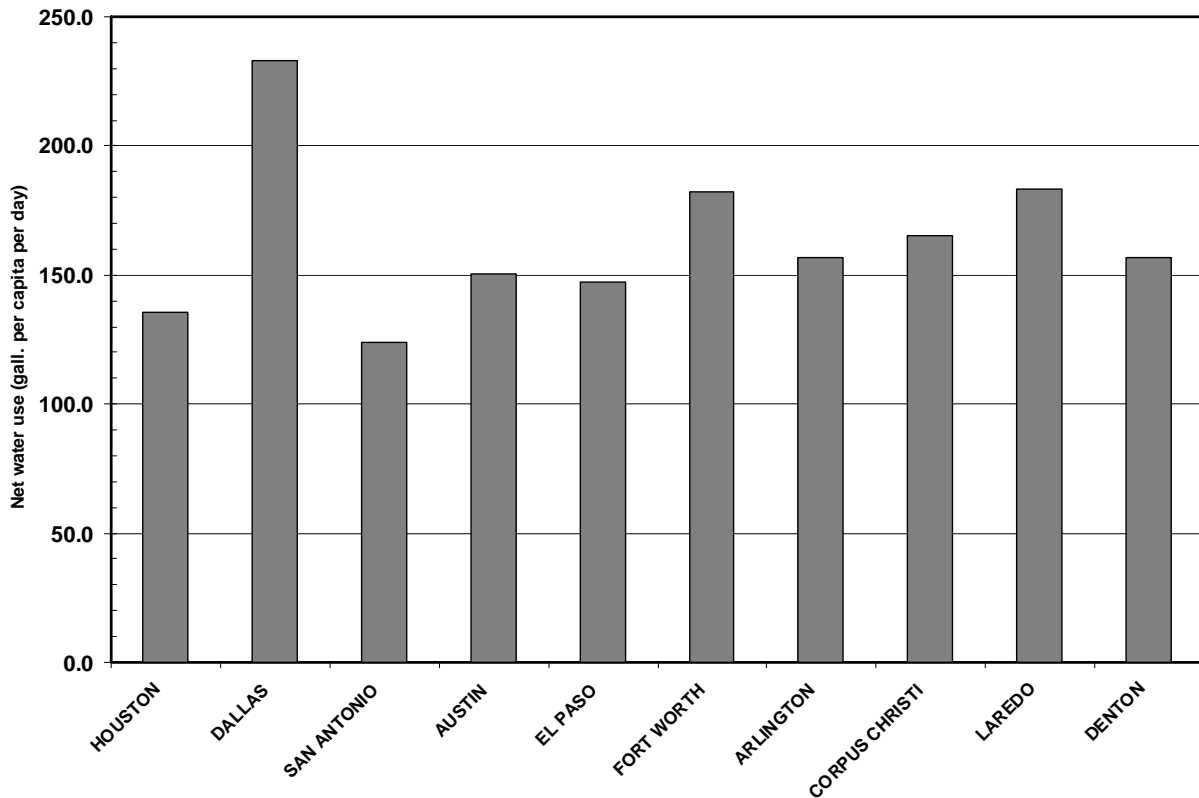


Figure 2 – 2007 State Water Plan proposed net water use rates of the projected ten largest Texas cities at the 2060 time frame, after accounting for proposed water efficiency savings.

This high unevenness in net water use indicates a great degree of variability in the rigor in which the regional water planning groups (RWPGs) applied the goals of the WCITF.

Methods

The National Wildlife Federation evaluated the potential for additional water savings if all municipal WUGS in the state were to follow the WCITF guidelines. For each of the state's 1664 WUGS, we examined the added potential savings if the WCITF goals were fully implemented. Many WUGs, especially smaller ones, are either already at or below the ultimate target level of 140 gpcd or will be by 2060 if following the recommendations of their respective regional water planning group (RWPG). If this was the case, then the proposed water use rate of the RWPG was adhered to.

Results and Significance

Table 1 at the end of this document provides the calculation details for each of the state's 1664 WUGs identified by the regional water planning process. Table 2 below offers a summary of the projected savings accruing within each regional water planning area and the state as a whole. The state of Texas, while proposing water efficiency savings of over 611,000 af/yr could save an additional 1.04 million acre-feet/year by 2060 if the WCITF goal of 1 percent annual reduction in water use rate (gpcd) were universally achieved. If the ultimate target use rate of 140 gpcd were achieved, the state could save an additional 1.146 million acre-feet/year over what is being proposed by the regional water planning process. The higher result for the later computation is due to the fact that many WUGs do not manage to get their water use rate down to 140 gpcd at the 1 percent annual reduction rate by 2060⁸.

As is evident, the largest additional savings, by far, would be realized in Region C that covers the Dallas–Ft. Worth metropolitan areas. This is the result of a large projected population combined with some of the highest per person water use rates in the state. Even after the proposed savings of the regional planning group are accounted for, some of the net water use rates in the Dallas–Ft. Worth area are still very high at 2060⁹.

I will illustrate the significance of these additional potential water efficiency savings by looking at specific WUGs or groups of WUGs with proposed significant infrastructure projects in the 2007 State Water Plan. For such WUGs or groups, it is illustrative to compare the potential water efficiency savings they could reap to the water supply anticipated from the respective infrastructure projects.

⁸ For instance, the city of Dallas, with a 2005 water use rate of approximately 264 gpcd would get down to 151.6 gpcd at the annual reduction rate of 1 percent through 2060. Thus Dallas could achieve an additional 26,764 af/yr with the 140 gpcd goal.

⁹ Examples are: Dallas – 233 gpcd, Grapevine 210, Addison 404, Ft. Worth 182, Frisco 248

The City of Brownsville in Region M has proposed, through two cycles of regional water planning, to build the so-called Brownsville Weir on the Rio Grande. There are numerous potential negative environmental impacts from this project on an already severely-altered river. Most notable are potential changes in salinity in the downstream reach of the lower Rio Grande. The Brownsville Weir would yield a dependable water supply, or “firm yield,” of 20,643 af/yr. However, the City of Brownsville could save much more than this through water efficiency efforts. If the City were to achieve the 1% annual reduction from their 2005 use rate of 226 gpcd, their water use would decline to 140 gpcd by 2060 resulting in an additional savings of 28,852 af/yr. The details of this analysis are visible in Table one at the end of the document.

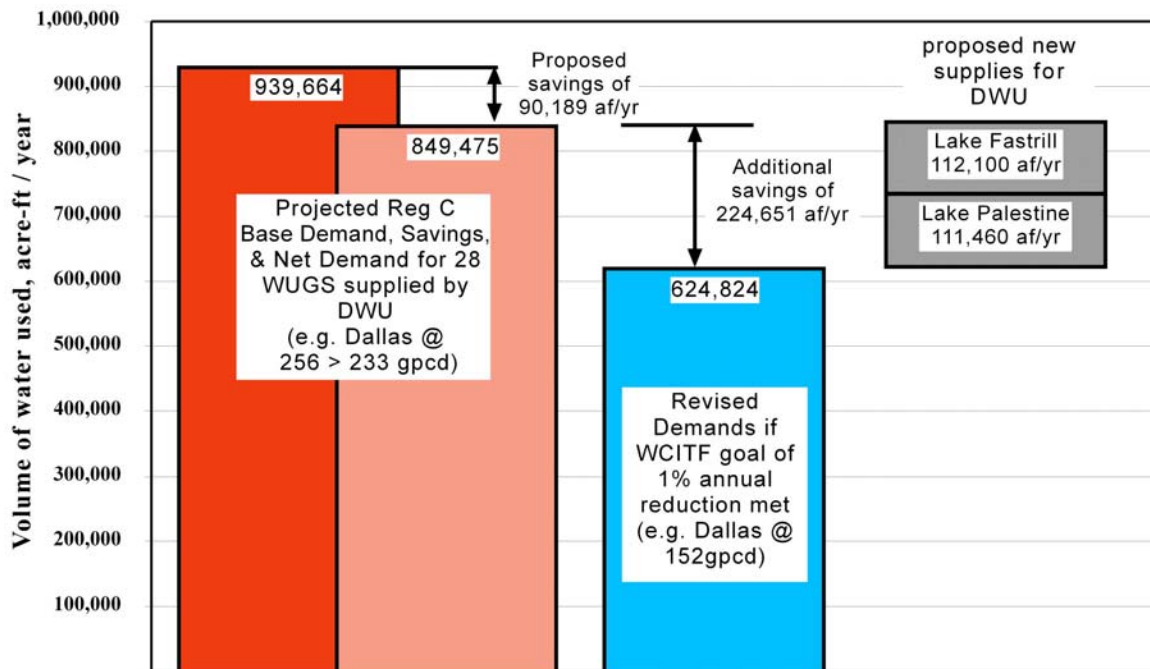
Table 2 - State and Regional compilation of potential water savings with attainment of Water Conservation Implementation Task Forces goals

| Reg. | Regional Water Planning Groups proposed water use and water efficiency data @ year 2060 | | | Year 2060, addtnl. potential savings w. WCITF 1% annual reduction | | Yr 2060, addtnl. potential savings w. WCITF 140 gpcd target | |
|-------|---|----------------------------------|--|---|---------------------------|---|---------------------------|
| | Population | TWDB 2060 base demand (ac-ft/yr) | efficiency savings proposed by RWPG (ac-ft/yr) | revised total demand (ac-ft/yr) | addtl. savings (ac-ft/yr) | revised total demand (ac-ft/yr) | addtl. savings (ac-ft/yr) |
| A | 541,035 | 104,242 | 4,255 | 78,747 | 21,240 | 78,487 | 21,500 |
| B | 221,734 | 38,696 | 1,855 | 33,173 | 3,668 | 33,035 | 3,806 |
| C | 13,087,849 | 2,915,773 | 291,909 | 2,038,758 | 585,105 | 1,975,926 | 647,936 |
| D | 1,213,095 | 178,178 | - | 167,247 | 10,924 | 167,158 | 11,014 |
| E | 1,527,713 | 251,974 | 23,437 | 215,195 | 13,342 | 212,186 | 16,351 |
| F | 724,094 | 157,632 | 9,727 | 114,269 | 33,636 | 110,044 | 37,861 |
| G | 3,332,100 | 595,482 | 21,403 | 490,692 | 83,387 | 483,354 | 90,725 |
| H | 10,897,526 | 1,737,790 | 100,987 | 1,543,345 | 93,338 | 1,536,338 | 100,345 |
| I | 1,482,448 | 233,622 | 1,639 | 193,932 | 38,050 | 192,203 | 39,779 |
| J | 205,910 | 39,632 | 55 | 29,840 | 9,737 | 27,027 | 12,550 |
| K | 2,713,905 | 482,949 | 51,315 | 407,584 | 24,050 | 404,545 | 27,081 |
| L | 4,297,786 | 633,953 | 72,555 | 561,398 | - | 557,733 | 3,665 |
| M | 3,826,001 | 625,743 | 24,412 | 511,150 | 90,181 | 506,404 | 94,927 |
| N | 885,665 | 151,474 | - | 129,056 | 22,385 | 127,124 | 24,317 |
| O | 551,758 | 105,940 | 10,424 | 82,418 | 13,098 | 82,060 | 13,456 |
| P | 49,663 | 6,541 | - | 6,295 | 246 | 6,295 | 246 |
| State | 45,558,282 | 8,259,621 | 613,973 | 6,603,098 | 1,042,385 | 6,499,917 | 1,145,559 |

Another illustration of the significance of water efficiency to the state’s long-range water policy can be seen by examining the Region C portion of the 2007 State Water Plan. The Region C plan lists many infrastructure projects, so called water management strategies, to supply water to the Dallas Water Utility (DWU). DWU is the provider of water to the City of Dallas as well as 27

other neighboring communities such as Denton, Irving, and Addison. Proposed projects to satisfy the projected demands of Dallas and other DWU customers include construction of a pipeline to transport water from the already-constructed Lake Palestine. This project would provide approximately 112,000 af/yr at a cost of approximately \$0.414 billion. Also in the mix of projects proposed for DWU is the very controversial Lake Fastrill on the upper reaches of the Neches River to the southeast of Dallas. Lake Fastrill, at a cost of \$0.569 billion, is projected to provide a dependable supply of 112,100 af/yr but its location conflicts with the recently created (June 2006) Upper Neches National Wildlife Refuge.

However, as shown in Table 3 at the end of this document, the City of Dallas alone could save an additional 187,626 af/yr if the WCITF goal of one percent annual reduction were achieved. If the other WUGs served by the Dallas Water Utility were to achieve the same goal, total savings amount to 224,651 at the 2060 time frame. Figure 3 illustrates how these additional savings would allow the Dallas Water Utility to avoid both Lake Fastrill and the Lake Palestine pipeline. These calculations are very similar to those in Table 1, but with some pro-rating of population and water demands for WUGs served by other suppliers (e.g., Flower Mound is also served by Upper Trinity Regional Water District) or met from other sources such as groundwater.



source: National Wildlife Federation analysis of Texas Water Development Board Region C Water Plan, November 2006. Notes: gpcd = gallons per person per day. Projected 2060 Base Demands and Proposed Water Conservation Savings from Region C Plan Appendix V for 28 Water User Groups supplied by Dallas Water Utilities. WUGs supplied by multiple wholesalers pro-rated for portion from DWU. Reduced demand is calculated with projected 2060 population served by Dallas Water Utilities with Water Conservation Implementation Task Force 1% annual reduction in gpcd applied to each WUG supplied. For the City of Dallas this would be a reduction from 233 to 156 gpcd.



Figure 3 – Illustration of the potential of water efficiency savings by Dallas and other customer cities of the Dallas Water Utility to offset proposed major infrastructure projects.

Conclusions

The significance of these additional savings is very important for the state's water resources policy debate. Although the newest State Water Plan is a vast improvement over its predecessor, the National Wildlife Federation (NWF) contends that the potential of municipal water efficiency savings to offset or partially eliminate the need for costly and environmentally damaging water supply projects remains largely under-utilized.

Bibliography

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Region C Water Planning Group. 2005. *2006 Region C Water Plan*.

National Wildlife Federation, 2002. *Save Water, Rivers, and Money*. Austin, TX.

Other Reference Materials

Angela Masloff, Texas Water Development Board, water conservation data supplied, Nov. 14, 2006.

APPENDIX

Table 1: Calculation of potential savings with water efficiency goals of Texas Water Conservation Implementation Task Force.

| Reg | Water User Group (WUG) name | RWPG Year 2005 base use rate* (gpcd) | Regional Water Planning Groups proposed water use and water efficiency data @ year 2060 | | | | | | Yr 2060, addtnl. potential savings w. WCITF 1% annual reduction | | | Yr 2060, addtnl. potential savings w. WCITF 140 gpcd target. | | |
|-----|-----------------------------|--------------------------------------|---|-----------------------|----------------------------|---------------------------|-----------------------------------|--------------------------|---|------------------------------|---------------------------------|--|------------------------------|---------------------------------|
| | | | 2060 Population | Portion of region (%) | TWDB base demand** (af/yr) | TWDB base use rate (gpcd) | propos- ed effic. sav.*** (af/yr) | RWPG net use rate (gpcd) | potent- ial use rate† (gpcd) | revised total demand (af/yr) | addtl. demand reduct.†† (af/yr) | potent- ial use rate‡ (gpcd) | revised total demand (af/yr) | addtl. demand reduct.†† (af/yr) |
| A | AMARILLO | 229 | 267,324 | 49.4% | 60,188 | 201 | 3,012 | 190.9 | 140.0 | 41,921 | 15,255 | 140.0 | 41,921 | 15,255 |
| A | BOOKER | 294 | 1,198 | 0.2% | 322 | 240 | - | 240.0 | 169.1 | 227 | 95 | 140.0 | 188 | 134 |
| A | BORGER | 144 | 12,641 | 2.3% | 2,039 | 144 | - | 144.0 | 140.0 | 1,982 | 57 | 140.0 | 1,982 | 57 |
| A | CACTUS | 223 | 3,000 | 0.6% | 615 | 183 | 31 | 173.8 | 140.0 | 470 | 114 | 140.0 | 470 | 114 |
| A | CANADIAN | 182 | 2,015 | 0.4% | 411 | 182 | - | 182.1 | 140.0 | 316 | 95 | 140.0 | 316 | 95 |
| A | CANYON | 153 | 21,695 | 4.0% | 3,718 | 153 | 186 | 145.3 | 140.0 | 3,402 | 130 | 140.0 | 3,402 | 130 |
| A | CHILDRESS | 203 | 6,987 | 1.3% | 1,471 | 188 | - | 188.0 | 140.0 | 1,096 | 375 | 140.0 | 1,096 | 375 |
| A | CLARENDON | 165 | 1,974 | 0.4% | 440 | 199 | - | 199.0 | 140.0 | 310 | 130 | 140.0 | 310 | 130 |
| A | CLAUDE | 192 | 1,219 | 0.2% | 240 | 176 | - | 175.8 | 140.0 | 191 | 49 | 140.0 | 191 | 49 |
| A | CO.Unic.:ARMSTRONG | 115 | 775 | 0.1% | 100 | 115 | - | 115.2 | 115.2 | 100 | - | 115.2 | 100 | - |
| A | CO.Unic.:CARSON | 194 | 947 | 0.2% | 206 | 194 | - | 194.2 | 140.0 | 149 | 57 | 140.0 | 149 | 57 |
| A | CO.Unic.:CHILDRESS | 188 | 938 | 0.2% | 198 | 188 | - | 188.5 | 140.0 | 147 | 51 | 140.0 | 147 | 51 |
| A | CO.Unic.:COLLINGSWORTH | 233 | 613 | 0.1% | 160 | 233 | - | 233.0 | 140.0 | 96 | 64 | 140.0 | 96 | 64 |
| A | CO.Unic.:DALLAM | 138 | 1,245 | 0.2% | 192 | 138 | 10 | 130.5 | 130.5 | 182 | - | 130.5 | 182 | - |
| A | CO.Unic.:DONLEY | 109 | 1,052 | 0.2% | 128 | 109 | - | 108.6 | 108.6 | 128 | - | 108.6 | 128 | - |
| A | CO.Unic.:GRAY | 135 | 2,755 | 0.5% | 417 | 135 | - | 135.1 | 135.1 | 417 | - | 135.1 | 417 | - |
| A | CO.Unic.:HALL | 249 | 1,303 | 0.2% | 363 | 249 | - | 248.7 | 143.1 | 209 | 154 | 140.0 | 204 | 159 |
| A | CO.Unic.:HANSFORD | 171 | 2,433 | 0.4% | 466 | 171 | - | 171.0 | 140.0 | 382 | 84 | 140.0 | 382 | 84 |
| A | CO.Unic.:HARTLEY | 154 | 3,006 | 0.6% | 519 | 154 | 26 | 146.4 | 140.0 | 471 | 22 | 140.0 | 471 | 22 |
| A | CO.Unic.:HEMPHILL | 121 | 1,009 | 0.2% | 137 | 121 | - | 121.2 | 121.2 | 137 | - | 121.2 | 137 | - |
| A | CO.Unic.:HUTCHINSON | 162 | 268 | 0.0% | 49 | 163 | - | 163.2 | 140.0 | 42 | 7 | 140.0 | 42 | 7 |
| A | CO.Unic.:LIPSCOMB | 199 | 1,595 | 0.3% | 356 | 199 | - | 199.3 | 140.0 | 250 | 106 | 140.0 | 250 | 106 |
| A | CO.Unic.:MOORE | 189 | 8,223 | 1.5% | 1,741 | 189 | 87 | 179.6 | 140.0 | 1,289 | 365 | 140.0 | 1,289 | 365 |
| A | CO.Unic.:OCHILTREE | 132 | 1,223 | 0.2% | 181 | 132 | - | 132.1 | 132.1 | 181 | - | 132.1 | 181 | - |
| A | CO.Unic.:OLDHAM | 117 | 780 | 0.1% | 102 | 117 | - | 116.7 | 116.7 | 102 | - | 116.7 | 102 | - |
| A | CO.Unic.:POTTER | 75 | 56,369 | 10.4% | 4,736 | 75 | 236 | 71.3 | 71.3 | 4,500 | - | 71.3 | 4,500 | - |
| A | CO.Unic.:RANDALL | 113 | 47,194 | 8.7% | 5,973 | 113 | 299 | 107.3 | 107.3 | 5,674 | - | 107.3 | 5,674 | - |
| A | CO.Unic.:ROBERTS | 125 | 189 | 0.0% | 27 | 128 | - | 127.5 | 127.5 | 27 | - | 127.5 | 27 | - |
| A | CO.Unic.:SHERMAN | 150 | 1,547 | 0.3% | 260 | 150 | 13 | 142.5 | 140.0 | 243 | 4 | 140.0 | 243 | 4 |
| A | CO.Unic.:WHEELER | 138 | 1,766 | 0.3% | 273 | 138 | - | 138.0 | 138.0 | 273 | - | 138.0 | 273 | - |
| A | DALHART | 270 | 8,087 | 1.5% | 2,083 | 230 | 104 | 218.5 | 155.1 | 1,405 | 574 | 140.0 | 1,268 | 711 |
| A | DUMAS | 191 | 18,931 | 3.5% | 3,478 | 164 | 174 | 155.8 | 140.0 | 2,969 | 335 | 140.0 | 2,969 | 335 |
| A | FRITCH | 168 | 2,030 | 0.4% | 364 | 160 | - | 160.1 | 140.0 | 318 | 46 | 140.0 | 318 | 46 |
| A | GROOM | 229 | 472 | 0.1% | 114 | 216 | - | 215.6 | 140.0 | 74 | 40 | 140.0 | 74 | 40 |
| A | GRUVER | 252 | 1,204 | 0.2% | 334 | 248 | - | 247.7 | 145.0 | 196 | 138 | 140.0 | 189 | 145 |
| A | HAPPY | 151 | 239 | 0.0% | 38 | 142 | - | 141.9 | 140.0 | 37 | 1 | 140.0 | 37 | 1 |
| A | HI TEXAS WATER COMPANY | 99 | 3,064 | 0.6% | 340 | 99 | - | 99.1 | 99.1 | 340 | - | 99.1 | 340 | - |
| A | LAKE TANGLEWOOD | 151 | 1,923 | 0.4% | 310 | 144 | - | 143.9 | 140.0 | 302 | 8 | 140.0 | 302 | 8 |
| A | LEFORS | 153 | 444 | 0.1% | 70 | 141 | - | 140.8 | 140.0 | 70 | - | 140.0 | 70 | - |
| A | MCLEAN | 204 | 659 | 0.1% | 151 | 205 | - | 204.6 | 140.0 | 103 | 48 | 140.0 | 103 | 48 |
| A | MEMPHIS | 159 | 2,480 | 0.5% | 442 | 159 | - | 159.1 | 140.0 | 389 | 53 | 140.0 | 389 | 53 |

Table 1: Calculation of potential savings with water efficiency goals of Texas Water Conservation Implementation Task Force.

| Reg | Water User Group (WUG) name | RWPG Year 2005 base use rate* (gpcd) | Regional Water Planning Groups proposed water use and water efficiency data @ year 2060 | | | | | | Yr 2060, addtnl. potential savings w. WCITF 1% annual reduction | | | Yr 2060, addtnl. potential savings w. WCITF 140 gpcd target. | | |
|-----|-----------------------------|--------------------------------------|---|-----------------------|----------------------------|---------------------------|-----------------------------------|--------------------------|---|------------------------------|---------------------------------|--|------------------------------|---------------------------------|
| | | | 2060 Population | Portion of region (%) | TWDB base demand** (af/yr) | TWDB base use rate (gpcd) | propos- ed effic. sav.*** (af/yr) | RWPG net use rate (gpcd) | potent- ial use rate† (gpcd) | revised total demand (af/yr) | addtl. demand reduct.†† (af/yr) | potent- ial use rate‡ (gpcd) | revised total demand (af/yr) | addtl. demand reduct.†† (af/yr) |
| A | MIAMI | 210 | 372 | 0.1% | 88 | 211 | - | 211.2 | 140.0 | 58 | 30 | 140.0 | 58 | 30 |
| A | PAMPA | 169 | 14,206 | 2.6% | 2,689 | 169 | - | 169.0 | 140.0 | 2,228 | 461 | 140.0 | 2,228 | 461 |
| A | PANHANDLE | 210 | 2,081 | 0.4% | 459 | 197 | - | 196.9 | 140.0 | 326 | 133 | 140.0 | 326 | 133 |
| A | PERRYTON | 221 | 10,571 | 2.0% | 2,451 | 207 | - | 207.0 | 140.0 | 1,658 | 793 | 140.0 | 1,658 | 793 |
| A | SHAMROCK | 147 | 1,941 | 0.4% | 309 | 142 | - | 142.1 | 140.0 | 304 | 5 | 140.0 | 304 | 5 |
| A | SKELLYTOWN | 154 | 490 | 0.1% | 85 | 155 | - | 154.9 | 140.0 | 77 | 8 | 140.0 | 77 | 8 |
| A | SPEARMAN | 210 | 3,769 | 0.7% | 849 | 201 | - | 201.1 | 140.0 | 591 | 258 | 140.0 | 591 | 258 |
| A | STINNETT | 186 | 1,711 | 0.3% | 316 | 165 | - | 164.9 | 140.0 | 268 | 48 | 140.0 | 268 | 48 |
| A | STRATFORD | 258 | 2,617 | 0.5% | 756 | 258 | 38 | 244.9 | 148.4 | 435 | 283 | 140.0 | 410 | 308 |
| A | SUNRAY | 216 | 3,258 | 0.6% | 777 | 213 | 39 | 202.2 | 140.0 | 511 | 227 | 140.0 | 511 | 227 |
| A | TCW SUPPLY INC | 255 | 1,830 | 0.3% | 523 | 255 | - | 255.1 | 146.7 | 301 | 222 | 140.0 | 287 | 236 |
| A | TEXLINE | 334 | 599 | 0.1% | 224 | 334 | - | 333.9 | 192.2 | 129 | 95 | 140.0 | 94 | 130 |
| A | VEGA | 217 | 584 | 0.1% | 142 | 217 | - | 217.1 | 140.0 | 92 | 50 | 140.0 | 92 | 50 |
| A | WELLINGTON | 182 | 1,965 | 0.4% | 401 | 182 | - | 182.2 | 140.0 | 308 | 93 | 140.0 | 308 | 93 |
| A | WHEELER | 194 | 1,373 | 0.3% | 291 | 189 | - | 189.2 | 140.0 | 215 | 76 | 140.0 | 215 | 76 |
| A | WHITE DEER | 153 | 852 | 0.2% | 130 | 136 | - | 136.2 | 136.2 | 130 | - | 136.2 | 130 | - |
| B | ARCHER CITY | 130 | 2,223 | 1.0% | 328 | 132 | - | 131.7 | 131.7 | 328 | - | 131.7 | 328 | - |
| B | BOWIE | 157 | 5,449 | 2.5% | 943 | 154 | 72 | 142.7 | 140.0 | 854 | 17 | 140.0 | 854 | 17 |
| B | BURKBURNETT | 124 | 12,647 | 5.7% | 1,819 | 128 | - | 128.4 | 128.4 | 1,819 | - | 128.4 | 1,819 | - |
| B | BYERS | 129 | 459 | 0.2% | 64 | 124 | 3 | 118.6 | 118.6 | 61 | - | 118.6 | 61 | - |
| B | CHILLICOTHE | 150 | 769 | 0.3% | 98 | 114 | - | 113.8 | 113.8 | 98 | - | 113.8 | 98 | - |
| B | CO.Unic.:ARCHER | 483 | 597 | 0.3% | 474 | 709 | 18 | 181.9 | 277.8 | 186 | 270 | 140.0 | 94 | 362 |
| B | CO.Unic.:BAYLOR | 186 | 1,133 | 0.5% | 221 | 174 | - | 174.1 | 140.0 | 178 | 43 | 140.0 | 178 | 43 |
| B | CO.Unic.:CLAY | 156 | 3,680 | 1.7% | 535 | 130 | 39 | 120.3 | 120.3 | 496 | - | 120.3 | 496 | - |
| B | CO.Unic.:COTTLE | 306 | 350 | 0.2% | 69 | 176 | - | 176.0 | 176.0 | 69 | - | 140.0 | 55 | 14 |
| B | CO.Unic.:FOARD | 204 | 367 | 0.2% | 89 | 216 | - | 216.5 | 140.0 | 58 | 31 | 140.0 | 58 | 31 |
| B | CO.Unic.:HARDEMAN | 195 | 652 | 0.3% | 120 | 164 | - | 164.3 | 140.0 | 102 | 18 | 140.0 | 102 | 18 |
| B | CO.Unic.:KING | 390 | 332 | 0.1% | 103 | 277 | - | 277.0 | 224.7 | 84 | 19 | 140.0 | 52 | 51 |
| B | CO.Unic.:MONTAGUE | 102 | 11,244 | 5.1% | 1,389 | 110 | 81 | 103.9 | 103.9 | 1,308 | - | 103.9 | 1,308 | - |
| B | CO.Unic.:WICHITA | 84 | 1,721 | 0.8% | 223 | 116 | - | 115.7 | 115.7 | 223 | - | 115.7 | 223 | - |
| B | CO.Unic.:WILBARGER | 144 | 2,883 | 1.3% | 426 | 132 | - | 131.9 | 131.9 | 426 | - | 131.9 | 426 | - |
| B | CO.Unic.:YOUNG | 168 | 556 | 0.3% | 83 | 133 | - | 133.3 | 133.3 | 83 | - | 133.3 | 83 | - |
| B | CROWELL | 207 | 1,017 | 0.5% | 224 | 197 | - | 196.6 | 140.0 | 159 | 65 | 140.0 | 159 | 65 |
| B | DEAN DALE WSC | 94 | 3,377 | 1.5% | 350 | 93 | - | 92.5 | 92.5 | 350 | - | 92.5 | 350 | - |
| B | ELECTRA | 128 | 3,290 | 1.5% | 527 | 143 | 38 | 132.7 | 132.7 | 489 | - | 132.7 | 489 | - |
| B | HENRIETTA | 167 | 2,900 | 1.3% | 553 | 170 | - | 170.2 | 140.0 | 455 | 98 | 140.0 | 455 | 98 |
| B | HOLLIDAY | 129 | 1,963 | 0.9% | 246 | 112 | - | 111.9 | 111.9 | 246 | - | 111.9 | 246 | - |
| B | IOWA PARK | 166 | 7,221 | 3.3% | 1,170 | 145 | 80 | 134.8 | 134.8 | 1,090 | - | 134.8 | 1,090 | - |
| B | LAKESIDE CITY | 126 | 1,183 | 0.5% | 155 | 117 | 11 | 108.7 | 108.7 | 144 | - | 108.7 | 144 | - |
| B | NOCONA | 161 | 3,528 | 1.6% | 660 | 167 | - | 167.0 | 140.0 | 553 | 107 | 140.0 | 553 | 107 |
| B | OLNEY | 172 | 3,386 | 1.5% | 625 | 165 | - | 164.8 | 140.0 | 531 | 94 | 140.0 | 531 | 94 |

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|-----|-----------------------------|--------------------------------------|---|-----------------------|----------------------------|---------------------------|-----------------------------------|---|------------------------------|------------------------------|--|------------------------------|------------------------------|---------------------------------|
| | | | 2060 Population | Portion of region (%) | TWDB base demand** (af/yr) | TWDB base use rate (gpcd) | propos- ed effic. sav.*** (af/yr) | RWPG net use rate (gpcd) | potent- ial use rate† (gpcd) | revised total demand (af/yr) | addtl. demand reduct.†† (af/yr) | potent- ial use rate‡ (gpcd) | revised total demand (af/yr) | addtl. demand reduct.†† (af/yr) |
| B | PADUCAH | 170 | 1,193 | 0.5% | 232 | 174 | - | 173.6 | 140.0 | 187 | 45 | 140.0 | 187 | 45 |
| B | PETROLIA | 106 | 695 | 0.3% | 73 | 94 | - | 93.8 | 93.8 | 73 | - | 93.8 | 73 | - |
| B | QUANAH | 165 | 2,371 | 1.1% | 386 | 145 | - | 145.3 | 140.0 | 372 | 14 | 140.0 | 372 | 14 |
| B | SAINT JO | 154 | 898 | 0.4% | 96 | 95 | - | 95.4 | 95.4 | 96 | - | 95.4 | 96 | - |
| B | SEYMOUR | 186 | 1,933 | 0.9% | 387 | 179 | - | 178.7 | 140.0 | 303 | 84 | 140.0 | 303 | 84 |
| B | VERNON | 205 | 11,144 | 5.0% | 2,229 | 179 | 146 | 166.9 | 140.0 | 1,748 | 335 | 140.0 | 1,748 | 335 |
| B | WICHITA FALLS | 188 | 121,668 | 54.9% | 22,874 | 168 | 1,367 | 157.8 | 140.0 | 19,079 | 2,428 | 140.0 | 19,079 | 2,428 |
| B | WICHITA VALLEY WSC | 82 | 7,318 | 3.3% | 702 | 86 | - | 85.6 | 85.6 | 702 | - | 85.6 | 702 | - |
| B | WINDTHORST WSC | 205 | 1,587 | 0.7% | 223 | 125 | - | 125.4 | 125.4 | 223 | - | 125.4 | 223 | - |
| C | ABLE SPRINGS WSC | 88 | 15,693 | 0.1% | 1,828 | 104 | 116 | 97.4 | 97.4 | 1,712 | - | 97.4 | 1,712 | - |
| C | ADDISON | 441 | 25,133 | 0.2% | 12,218 | 434 | 841 | 404.1 | 253.7 | 7,143 | 4,234 | 140.0 | 3,941 | 7,436 |
| C | ALEDO | 146 | 7,162 | 0.1% | 1,195 | 149 | 127 | 133.1 | 133.1 | 1,068 | - | 133.1 | 1,068 | - |
| C | ALLEN | 232 | 129,215 | 1.0% | 36,330 | 251 | 3,640 | 225.9 | 140.0 | 20,263 | 12,427 | 140.0 | 20,263 | 12,427 |
| C | ALVORD | 120 | 1,806 | 0.0% | 249 | 123 | 14 | 116.2 | 116.2 | 235 | - | 116.2 | 235 | - |
| C | ANNA | 145 | 50,000 | 0.4% | 10,473 | 187 | 984 | 169.4 | 140.0 | 7,841 | 1,648 | 140.0 | 7,841 | 1,648 |
| C | ANNETTA | 107 | 3,176 | 0.0% | 370 | 104 | 26 | 96.7 | 96.7 | 344 | - | 96.7 | 344 | - |
| C | ANNETTA SOUTH | 112 | 1,227 | 0.0% | 140 | 102 | 10 | 94.6 | 94.6 | 130 | - | 94.6 | 130 | - |
| C | ARGYLE | 281 | 20,000 | 0.2% | 6,474 | 289 | 530 | 265.3 | 161.4 | 3,616 | 2,328 | 140.0 | 3,136 | 2,808 |
| C | ARGYLE WSC | 190 | 4,012 | 0.0% | 809 | 180 | 83 | 161.6 | 140.0 | 629 | 97 | 140.0 | 629 | 97 |
| C | ARLINGTON | 174 | 515,000 | 3.9% | 100,376 | 174 | 9,955 | 156.7 | 140.0 | 80,760 | 9,661 | 140.0 | 80,760 | 9,661 |
| C | ATHENS | 175 | 32,921 | 0.3% | 6,306 | 171 | 778 | 149.9 | 140.0 | 5,163 | 365 | 140.0 | 5,163 | 365 |
| C | AUBREY | 114 | 21,252 | 0.2% | 3,285 | 138 | 183 | 130.3 | 130.3 | 3,102 | - | 130.3 | 3,102 | - |
| C | AURORA | 111 | 2,147 | 0.0% | 250 | 104 | 17 | 96.9 | 96.9 | 233 | - | 96.9 | 233 | - |
| C | AZLE | 137 | 45,362 | 0.3% | 6,860 | 135 | 350 | 128.1 | 128.1 | 6,510 | - | 128.1 | 6,510 | - |
| C | BALCH SPRINGS | 110 | 26,768 | 0.2% | 3,028 | 101 | 180 | 95.0 | 95.0 | 2,848 | - | 95.0 | 2,848 | - |
| C | BARDWELL | 102 | 2,107 | 0.0% | 248 | 105 | 16 | 98.3 | 98.3 | 232 | - | 98.3 | 232 | - |
| C | BARTONVILLE | 156 | 18,000 | 0.1% | 3,750 | 186 | 352 | 168.5 | 140.0 | 2,823 | 575 | 140.0 | 2,823 | 575 |
| C | BARTONVILLE WSC | 199 | 2,224 | 0.0% | 466 | 187 | 45 | 169.0 | 140.0 | 349 | 72 | 140.0 | 349 | 72 |
| C | BEDFORD | 184 | 58,713 | 0.4% | 11,246 | 171 | 1,028 | 155.4 | 140.0 | 9,207 | 1,011 | 140.0 | 9,207 | 1,011 |
| C | BELLS | 120 | 4,000 | 0.0% | 493 | 110 | 30 | 103.3 | 103.3 | 463 | - | 103.3 | 463 | - |
| C | BENBROOK | 210 | 51,000 | 0.4% | 11,254 | 197 | 1,107 | 177.6 | 140.0 | 7,998 | 2,149 | 140.0 | 7,998 | 2,149 |
| C | BETHEL-ASH WSC | 74 | 4,625 | 0.0% | 342 | 66 | 30 | 60.2 | 60.2 | 312 | - | 60.2 | 312 | - |
| C | BETHESDA WSC | 132 | 25,620 | 0.2% | 3,501 | 122 | 207 | 114.8 | 114.8 | 3,294 | - | 114.8 | 3,294 | - |
| C | BLACKLAND WSC | 94 | 12,106 | 0.1% | 1,410 | 104 | 87 | 97.6 | 97.6 | 1,323 | - | 97.6 | 1,323 | - |
| C | BLOOMING GROVE | 161 | 833 | 0.0% | 139 | 149 | 13 | 135.0 | 135.0 | 126 | - | 135.0 | 126 | - |
| C | BLUE MOUND | 101 | 2,500 | 0.0% | 283 | 101 | 19 | 94.3 | 94.3 | 264 | - | 94.3 | 264 | - |
| C | BLUE RIDGE | 125 | 18,000 | 0.1% | 2,782 | 138 | 150 | 130.5 | 130.5 | 2,632 | - | 130.5 | 2,632 | - |
| C | BOLIVAR WSC | 106 | 95,836 | 0.7% | 14,707 | 137 | 861 | 129.0 | 129.0 | 13,846 | - | 129.0 | 13,846 | - |
| C | BONHAM | 214 | 37,000 | 0.3% | 8,496 | 205 | 1,249 | 174.9 | 140.0 | 5,802 | 1,445 | 140.0 | 5,802 | 1,445 |
| C | BOYD | 130 | 2,200 | 0.0% | 288 | 117 | 17 | 110.0 | 110.0 | 271 | - | 110.0 | 271 | - |
| C | BRANDON-IRENE WSC | 112 | 460 | 0.0% | 51 | 99 | 3 | 93.2 | 93.2 | 48 | - | 93.2 | 48 | - |

Table 1: Calculation of potential savings with water efficiency goals of Texas Water Conservation Implementation Task Force.

| Reg | Water User Group (WUG) name | RWPG Year 2005 base use rate* (gpcd) | Regional Water Planning Groups proposed water use and water efficiency data @ year 2060 | | | | | | Yr 2060, addtnl. potential savings w. WCITF 1% annual reduction | | | Yr 2060, addtnl. potential savings w. WCITF 140 gpcd target. | | |
|-----|-----------------------------|--------------------------------------|---|-----------------------|----------------------------|---------------------------|-----------------------------------|--------------------------|---|------------------------------|---------------------------------|--|------------------------------|---------------------------------|
| | | | 2060 Population | Portion of region (%) | TWDB base demand** (af/yr) | TWDB base use rate (gpcd) | propos- ed effic. sav.*** (af/yr) | RWPG net use rate (gpcd) | potent- ial use rate† (gpcd) | revised total demand (af/yr) | addtl. demand reduct.†† (af/yr) | potent- ial use rate‡ (gpcd) | revised total demand (af/yr) | addtl. demand reduct.†† (af/yr) |
| C | BRIDGEPORT | 190 | 19,936 | 0.2% | 4,444 | 199 | 433 | 179.6 | 140.0 | 3,126 | 885 | 140.0 | 3,126 | 885 |
| C | BRYSON | 144 | 570 | 0.0% | 94 | 147 | 9 | 133.1 | 133.1 | 85 | - | 133.1 | 85 | - |
| C | BUENA VISTA - BETHEL SUI | 171 | 5,981 | 0.0% | 1,079 | 161 | 105 | 145.4 | 140.0 | 938 | 36 | 140.0 | 938 | 36 |
| C | BURLESON | 148 | 12,820 | 0.1% | 1,967 | 137 | - | 137.0 | 137.0 | 1,967 | - | 137.0 | 1,967 | - |
| C | CADDO BASIN SUD | 115 | 11,966 | 0.1% | 1,541 | 115 | 106 | 107.1 | 107.1 | 1,435 | - | 107.1 | 1,435 | - |
| C | CARROLLTON | 190 | 134,800 | 1.0% | 27,632 | 183 | 2,632 | 165.6 | 140.0 | 21,139 | 3,861 | 140.0 | 21,139 | 3,861 |
| C | CASH SUD | 115 | 1,792 | 0.0% | 231 | 115 | 13 | 108.6 | 108.6 | 218 | - | 108.6 | 218 | - |
| C | CEDAR HILL | 157 | 92,998 | 0.7% | 15,417 | 148 | 4,317 | 106.6 | 106.6 | 11,100 | - | 106.6 | 11,100 | - |
| C | CELINA | 163 | 150,000 | 1.1% | 31,252 | 186 | 2,874 | 168.9 | 140.0 | 23,522 | 4,856 | 140.0 | 23,522 | 4,856 |
| C | CHATFIELD WSC | 84 | 14,075 | 0.1% | 1,655 | 105 | 104 | 98.4 | 98.4 | 1,551 | - | 98.4 | 1,551 | - |
| C | CHICO | 133 | 3,300 | 0.0% | 495 | 134 | 27 | 126.6 | 126.6 | 468 | - | 126.6 | 468 | - |
| C | CO.Unic.:COLLIN | 115 | 4,369 | 0.0% | 504 | 103 | 37 | 95.4 | 95.4 | 467 | - | 95.4 | 467 | - |
| C | CO.Unic.:COOKE | 95 | 10,586 | 0.1% | 1,222 | 103 | 78 | 96.5 | 96.5 | 1,144 | - | 96.5 | 1,144 | - |
| C | CO.Unic.:DALLAS | 112 | 412 | 0.0% | 47 | 102 | 3 | 95.3 | 95.3 | 44 | - | 95.3 | 44 | - |
| C | CO.Unic.:DENTON | 189 | 77,612 | 0.6% | 15,649 | 180 | 800 | 170.8 | 140.0 | 12,171 | 2,678 | 140.0 | 12,171 | 2,678 |
| C | CO.Unic.:ELLIS | 169 | 10,707 | 0.1% | 1,955 | 163 | 93 | 155.3 | 140.0 | 1,679 | 183 | 140.0 | 1,679 | 183 |
| C | CO.Unic.:FANNIN | 117 | 10,322 | 0.1% | 1,202 | 104 | 76 | 97.4 | 97.4 | 1,126 | - | 97.4 | 1,126 | - |
| C | CO.Unic.:FREESTONE | 121 | 9,998 | 0.1% | 1,229 | 110 | 75 | 103.0 | 103.0 | 1,154 | - | 103.0 | 1,154 | - |
| C | CO.Unic.:GRAYSON | 116 | 20,727 | 0.2% | 2,461 | 106 | 155 | 99.3 | 99.3 | 2,306 | - | 99.3 | 2,306 | - |
| C | CO.Unic.:HENDERSON | 178 | 1,324 | 0.0% | 246 | 166 | 12 | 157.8 | 140.0 | 208 | 26 | 140.0 | 208 | 26 |
| C | CO.Unic.:JACK | 107 | 6,948 | 0.1% | 793 | 102 | 50 | 95.5 | 95.5 | 743 | - | 95.5 | 743 | - |
| C | CO.Unic.:KAUFMAN | 137 | 14,426 | 0.1% | 2,117 | 131 | 115 | 123.9 | 123.9 | 2,002 | - | 123.9 | 2,002 | - |
| C | CO.Unic.:NAVARRO | 128 | 1,760 | 0.0% | 229 | 116 | 13 | 109.6 | 109.6 | 216 | - | 109.6 | 216 | - |
| C | CO.Unic.:PARKER | 109 | 35,396 | 0.3% | 4,124 | 104 | 261 | 97.4 | 97.4 | 3,863 | - | 97.4 | 3,863 | - |
| C | CO.Unic.:ROCKWALL | 191 | 1,816 | 0.0% | 383 | 188 | 17 | 179.9 | 140.0 | 285 | 81 | 140.0 | 285 | 81 |
| C | CO.Unic.:TARRANT | 131 | 23,911 | 0.2% | 3,241 | 121 | 192 | 113.8 | 113.8 | 3,049 | - | 113.8 | 3,049 | - |
| C | CO.Unic.:WISE | 100 | 35,909 | 0.3% | 4,183 | 104 | 264 | 97.4 | 97.4 | 3,919 | - | 97.4 | 3,919 | - |
| C | COCKRELL HILL | 119 | 5,095 | 0.0% | 668 | 117 | 36 | 110.7 | 110.7 | 632 | - | 110.7 | 632 | - |
| C | COLLEGE MOUND WSC | 69 | 26,421 | 0.2% | 3,019 | 102 | 194 | 95.5 | 95.5 | 2,825 | - | 95.5 | 2,825 | - |
| C | COLLEYVILLE | 282 | 30,649 | 0.2% | 9,922 | 289 | 959 | 261.1 | 162.0 | 5,560 | 3,403 | 140.0 | 4,806 | 4,157 |
| C | COLLINSVILLE | 133 | 6,035 | 0.0% | 899 | 133 | 49 | 125.7 | 125.7 | 850 | - | 125.7 | 850 | - |
| C | COMBINE | 97 | 5,563 | 0.0% | 635 | 102 | 43 | 95.0 | 95.0 | 592 | - | 95.0 | 592 | - |
| C | COMBINE WSC | 93 | 13,285 | 0.1% | 1,562 | 105 | 98 | 98.4 | 98.4 | 1,464 | - | 98.4 | 1,464 | - |
| C | COMMUNITY WATER COMP, | 84 | 5,812 | 0.0% | 670 | 103 | 43 | 96.3 | 96.3 | 627 | - | 96.3 | 627 | - |
| C | COMMUNITY WSC | 110 | 3,847 | 0.0% | 435 | 101 | 29 | 94.2 | 94.2 | 406 | - | 94.2 | 406 | - |
| C | COPPELL | 213 | 41,016 | 0.3% | 10,016 | 218 | 1,062 | 194.9 | 140.0 | 6,432 | 2,522 | 140.0 | 6,432 | 2,522 |
| C | COPPER CANYON | 234 | 5,600 | 0.0% | 1,480 | 236 | 126 | 215.9 | 140.0 | 878 | 476 | 140.0 | 878 | 476 |
| C | CORINTH | 200 | 31,500 | 0.2% | 6,845 | 194 | 696 | 174.3 | 140.0 | 4,940 | 1,209 | 140.0 | 4,940 | 1,209 |
| C | CORSICANA | 206 | 32,563 | 0.2% | 7,076 | 194 | 655 | 176.0 | 140.0 | 5,106 | 1,315 | 140.0 | 5,106 | 1,315 |
| C | CRANDALL | 145 | 14,245 | 0.1% | 2,362 | 148 | 277 | 130.7 | 130.7 | 2,085 | - | 130.7 | 2,085 | - |
| C | CROSS ROADS | 374 | 20,600 | 0.2% | 6,669 | 289 | 545 | 265.4 | 214.9 | 4,959 | 1,165 | 140.0 | 3,230 | 2,894 |

Table 1: Calculation of potential savings with water efficiency goals of Texas Water Conservation Implementation Task Force.

| Reg | Water User Group (WUG) name | RWPG Year 2005 base use rate* (gpcd) | Regional Water Planning Groups proposed water use and water efficiency data @ year 2060 | | | | | | Yr 2060, addtnl. potential savings w. WCITF 1% annual reduction | | | Yr 2060, addtnl. potential savings w. WCITF 140 gpcd target. | | |
|-----|-----------------------------|--------------------------------------|---|-----------------------|----------------------------|---------------------------|-----------------------------------|--------------------------|---|------------------------------|---------------------------------|--|------------------------------|---------------------------------|
| | | | 2060 Population | Portion of region (%) | TWDB base demand** (af/yr) | TWDB base use rate (gpcd) | propos- ed effic. sav.*** (af/yr) | RWPG net use rate (gpcd) | potent- ial use rate† (gpcd) | revised total demand (af/yr) | addtl. demand reduct.†† (af/yr) | potent- ial use rate‡ (gpcd) | revised total demand (af/yr) | addtl. demand reduct.†† (af/yr) |
| C | CROWLEY | 138 | 25,000 | 0.2% | 3,528 | 126 | 195 | 119.0 | 119.0 | 3,333 | - | 119.0 | 3,333 | - |
| C | CULLEOKA WSC | 88 | 21,515 | 0.2% | 2,506 | 104 | 185 | 96.3 | 96.3 | 2,321 | - | 96.3 | 2,321 | - |
| C | DALLAS | 264 | 2,058,767 | 15.7% | 590,366 | 256 | 53,130 | 233.0 | 151.6 | 349,610 | 187,626 | 140.0 | 322,846 | 214,390 |
| C | DALLAS COUNTY WCID #6 | 104 | 11,513 | 0.1% | 1,354 | 105 | 86 | 98.3 | 98.3 | 1,268 | - | 98.3 | 1,268 | - |
| C | DALWORTHINGTON GARDE | 281 | 2,935 | 0.0% | 884 | 269 | 80 | 244.6 | 161.7 | 532 | 272 | 140.0 | 460 | 344 |
| C | DANVILLE WSC | 167 | 12,865 | 0.1% | 2,306 | 160 | 247 | 142.9 | 140.0 | 2,017 | 42 | 140.0 | 2,017 | 42 |
| C | DAWSON | 164 | 1,293 | 0.0% | 238 | 164 | 20 | 150.5 | 140.0 | 203 | 15 | 140.0 | 203 | 15 |
| C | DE SOTO | 195 | 85,400 | 0.7% | 18,845 | 197 | 1,764 | 178.6 | 140.0 | 13,392 | 3,689 | 140.0 | 13,392 | 3,689 |
| C | DECATUR | 207 | 23,225 | 0.2% | 5,385 | 207 | 540 | 186.2 | 140.0 | 3,642 | 1,203 | 140.0 | 3,642 | 1,203 |
| C | DENISON | 198 | 33,000 | 0.3% | 6,875 | 186 | 650 | 168.4 | 140.0 | 5,175 | 1,050 | 140.0 | 5,175 | 1,050 |
| C | DENTON | 185 | 498,488 | 3.8% | 98,275 | 176 | 10,732 | 156.8 | 140.0 | 78,171 | 9,372 | 140.0 | 78,171 | 9,372 |
| C | DENTON COUNTY FWSD | 289 | 12,240 | 0.1% | 3,894 | 284 | 360 | 257.8 | 166.0 | 2,276 | 1,258 | 140.0 | 1,919 | 1,615 |
| C | DOUBLE OAK | 206 | 3,900 | 0.0% | 900 | 206 | 79 | 187.9 | 140.0 | 612 | 209 | 140.0 | 612 | 209 |
| C | DUNCANVILLE | 182 | 41,480 | 0.3% | 8,596 | 185 | 810 | 167.6 | 140.0 | 6,505 | 1,281 | 140.0 | 6,505 | 1,281 |
| C | EAST CEDAR CREEK FWSD | 154 | 33,730 | 0.3% | 5,516 | 146 | 555 | 131.3 | 131.3 | 4,961 | - | 131.3 | 4,961 | - |
| C | EAST FORK SUD | 128 | 10,599 | 0.1% | 1,413 | 119 | 96 | 110.9 | 110.9 | 1,317 | - | 110.9 | 1,317 | - |
| C | ECTOR | 133 | 786 | 0.0% | 107 | 122 | 7 | 113.6 | 113.6 | 100 | - | 113.6 | 100 | - |
| C | EDGECLIFF | 159 | 2,550 | 0.0% | 428 | 150 | 45 | 134.1 | 134.1 | 383 | - | 134.1 | 383 | - |
| C | ENNIS | 154 | 70,596 | 0.5% | 11,308 | 143 | 1,515 | 123.8 | 123.8 | 9,793 | - | 123.8 | 9,793 | - |
| C | EULESS | 160 | 66,798 | 0.5% | 11,448 | 153 | 1,314 | 135.4 | 135.4 | 10,134 | - | 135.4 | 10,134 | - |
| C | EUSTACE | 141 | 1,402 | 0.0% | 221 | 141 | 27 | 123.5 | 123.5 | 194 | - | 123.5 | 194 | - |
| C | EVERMAN | 109 | 9,000 | 0.1% | 1,018 | 101 | 65 | 94.5 | 94.5 | 953 | - | 94.5 | 953 | - |
| C | FAIRFIELD | 202 | 7,500 | 0.1% | 1,588 | 189 | 143 | 172.0 | 140.0 | 1,176 | 269 | 140.0 | 1,176 | 269 |
| C | FAIRVIEW | 336 | 35,000 | 0.3% | 12,820 | 327 | 1,266 | 294.7 | 193.3 | 7,578 | 3,976 | 140.0 | 5,489 | 6,065 |
| C | FARMERS BRANCH | 331 | 41,693 | 0.3% | 14,945 | 320 | 1,546 | 286.9 | 190.4 | 8,894 | 4,505 | 140.0 | 6,538 | 6,861 |
| C | FARMERSVILLE | 139 | 30,000 | 0.2% | 4,301 | 128 | 221 | 121.4 | 121.4 | 4,080 | - | 121.4 | 4,080 | - |
| C | FERRIS | 136 | 2,175 | 0.0% | 305 | 125 | 16 | 118.6 | 118.6 | 289 | - | 118.6 | 289 | - |
| C | FILES VALLEY WSC | 187 | 1,025 | 0.0% | 201 | 175 | 9 | 167.2 | 140.0 | 161 | 31 | 140.0 | 161 | 31 |
| C | FLO COMMUNITY WSC | 72 | 271 | 0.0% | 19 | 63 | 2 | 56.0 | 56.0 | 17 | - | 56.0 | 17 | - |
| C | FLOWER MOUND | 217 | 130,089 | 1.0% | 33,661 | 231 | 3,749 | 205.3 | 140.0 | 20,400 | 9,512 | 140.0 | 20,400 | 9,512 |
| C | FOREST HILL | 107 | 21,000 | 0.2% | 2,399 | 102 | 144 | 95.9 | 95.9 | 2,255 | - | 95.9 | 2,255 | - |
| C | FORNEY | 137 | 42,803 | 0.3% | 7,048 | 147 | 739 | 131.6 | 131.6 | 6,309 | - | 131.6 | 6,309 | - |
| C | FORNEY LAKE WSC | 171 | 26,000 | 0.2% | 5,446 | 187 | 520 | 169.1 | 140.0 | 4,077 | 849 | 140.0 | 4,077 | 849 |
| C | FORT WORTH | 213 | 1,848,759 | 14.1% | 418,317 | 202 | 40,941 | 182.2 | 140.0 | 289,914 | 87,462 | 140.0 | 289,914 | 87,462 |
| C | FRISCO | 294 | 300,000 | 2.3% | 99,133 | 295 | 15,737 | 248.2 | 169.2 | 56,842 | 26,554 | 140.0 | 47,045 | 36,351 |
| C | FROST | 111 | 1,002 | 0.0% | 114 | 102 | 8 | 94.4 | 94.4 | 106 | - | 94.4 | 106 | - |
| C | GAINESVILLE | 161 | 29,000 | 0.2% | 5,522 | 170 | 518 | 154.0 | 140.0 | 4,548 | 456 | 140.0 | 4,548 | 456 |
| C | GARLAND | 161 | 300,000 | 2.3% | 52,087 | 155 | 6,534 | 135.6 | 135.6 | 45,553 | - | 135.6 | 45,553 | - |
| C | GASTONIA-SCURRY | 90 | 20,986 | 0.2% | 2,421 | 103 | 155 | 96.4 | 96.4 | 2,266 | - | 96.4 | 2,266 | - |
| C | GLENN HEIGHTS | 113 | 22,087 | 0.2% | 2,573 | 104 | 169 | 97.2 | 97.2 | 2,404 | - | 97.2 | 2,404 | - |
| C | GRAND PRAIRIE | 151 | 393,743 | 3.0% | 62,188 | 141 | 6,455 | 126.4 | 126.4 | 55,733 | - | 126.4 | 55,733 | - |

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| Reg | Water User Group (WUG) name | RWPG Year 2005 base use rate* (gpcd) | Regional Water Planning Groups proposed water use and water efficiency data @ year 2060 | | | | | | Yr 2060, addtnl. potential savings w. WCITF 1% annual reduction | | | Yr 2060, addtnl. potential savings w. WCITF 140 gpcd target. | | |
|-----|-----------------------------|--------------------------------------|---|-----------------------|----------------------------|---------------------------|-----------------------------------|--------------------------|---|------------------------------|---------------------------------|--|------------------------------|---------------------------------|
| | | | 2060 Population | Portion of region (%) | TWDB base demand** (af/yr) | TWDB base use rate (gpcd) | propos- ed effic. sav.*** (af/yr) | RWPG net use rate (gpcd) | potent- ial use rate† (gpcd) | revised total demand (af/yr) | addtl. demand reduct.†† (af/yr) | potent- ial use rate‡ (gpcd) | revised total demand (af/yr) | addtl. demand reduct.†† (af/yr) |
| C | GRAPEVINE | 229 | 70,490 | 0.5% | 18,713 | 237 | 2,158 | 209.7 | 140.0 | 11,054 | 5,501 | 140.0 | 11,054 | 5,501 |
| C | GUN BARREL CITY | 156 | 12,324 | 0.1% | 2,416 | 175 | 218 | 159.2 | 140.0 | 1,933 | 265 | 140.0 | 1,933 | 265 |
| C | GUNTER | 120 | 9,000 | 0.1% | 1,149 | 114 | 62 | 107.8 | 107.8 | 1,087 | - | 107.8 | 1,087 | - |
| C | GUNTER RURAL WSC | 106 | 16,560 | 0.1% | 1,948 | 105 | 143 | 97.3 | 97.3 | 1,805 | - | 97.3 | 1,805 | - |
| C | HACKBERRY | 119 | 2,533 | 0.0% | 326 | 115 | 20 | 107.9 | 107.9 | 306 | - | 107.9 | 306 | - |
| C | HALTOM CITY | 144 | 55,456 | 0.4% | 8,324 | 134 | 431 | 127.1 | 127.1 | 7,893 | - | 127.1 | 7,893 | - |
| C | HASLET | 170 | 7,000 | 0.1% | 1,404 | 179 | 128 | 162.7 | 140.0 | 1,098 | 178 | 140.0 | 1,098 | 178 |
| C | HEATH | 220 | 21,968 | 0.2% | 5,660 | 230 | 480 | 210.5 | 140.0 | 3,445 | 1,735 | 140.0 | 3,445 | 1,735 |
| C | HEBRON | 206 | 8,100 | 0.1% | 1,760 | 194 | 155 | 176.9 | 140.0 | 1,270 | 335 | 140.0 | 1,270 | 335 |
| C | HICKORY CREEK | 121 | 13,500 | 0.1% | 2,057 | 136 | 112 | 128.6 | 128.6 | 1,945 | - | 128.6 | 1,945 | - |
| C | HICKORY CREEK SUD | 155 | 415 | 0.0% | 67 | 144 | 7 | 129.1 | 129.1 | 60 | - | 129.1 | 60 | - |
| C | HIGH POINT WSC | 89 | 13,877 | 0.1% | 1,601 | 103 | 102 | 96.4 | 96.4 | 1,499 | - | 96.4 | 1,499 | - |
| C | HIGHLAND PARK | 421 | 9,313 | 0.1% | 4,319 | 414 | 132 | 401.4 | 241.9 | 2,524 | 1,663 | 140.0 | 1,460 | 2,727 |
| C | HIGHLAND VILLAGE | 203 | 19,000 | 0.1% | 4,086 | 192 | 461 | 170.3 | 140.0 | 2,979 | 646 | 140.0 | 2,979 | 646 |
| C | HONEY GROVE | 185 | 2,539 | 0.0% | 544 | 191 | 82 | 162.4 | 140.0 | 398 | 64 | 140.0 | 398 | 64 |
| C | HOWE | 127 | 10,781 | 0.1% | 1,655 | 137 | 84 | 130.1 | 130.1 | 1,571 | - | 130.1 | 1,571 | - |
| C | HUDSON OAKS | 107 | 9,884 | 0.1% | 1,163 | 105 | 75 | 98.3 | 98.3 | 1,088 | - | 98.3 | 1,088 | - |
| C | HURST | 174 | 45,167 | 0.3% | 8,247 | 163 | 992 | 143.4 | 140.0 | 7,083 | 172 | 140.0 | 7,083 | 172 |
| C | HUTCHINS | 217 | 34,000 | 0.3% | 7,998 | 210 | 775 | 189.7 | 140.0 | 5,332 | 1,891 | 140.0 | 5,332 | 1,891 |
| C | IRVING | 223 | 283,521 | 2.2% | 68,916 | 217 | 6,790 | 195.6 | 140.0 | 44,460 | 17,666 | 140.0 | 44,460 | 17,666 |
| C | ITALY | 99 | 4,279 | 0.0% | 489 | 102 | 32 | 95.3 | 95.3 | 457 | - | 95.3 | 457 | - |
| C | JACKSBORO | 129 | 4,897 | 0.0% | 680 | 124 | 33 | 118.0 | 118.0 | 647 | - | 118.0 | 647 | - |
| C | JOHNSON COUNTY RURAL : | 171 | 5,994 | 0.0% | 1,276 | 190 | 57 | 181.6 | 140.0 | 940 | 279 | 140.0 | 940 | 279 |
| C | JOSEPHINE | 133 | 2,000 | 0.0% | 271 | 121 | 16 | 113.8 | 113.8 | 255 | - | 113.8 | 255 | - |
| C | JUSTIN | 157 | 16,000 | 0.1% | 3,029 | 169 | 332 | 150.5 | 140.0 | 2,509 | 188 | 140.0 | 2,509 | 188 |
| C | KAUFMAN | 119 | 19,883 | 0.2% | 3,029 | 136 | 161 | 128.8 | 128.8 | 2,868 | - | 128.8 | 2,868 | - |
| C | KELLER | 205 | 48,097 | 0.4% | 10,667 | 198 | 1,046 | 178.6 | 140.0 | 7,542 | 2,079 | 140.0 | 7,542 | 2,079 |
| C | KEMP | 138 | 1,133 | 0.0% | 168 | 132 | 9 | 125.3 | 125.3 | 159 | - | 125.3 | 159 | - |
| C | KENNEDALE | 162 | 11,626 | 0.1% | 1,992 | 153 | 285 | 131.1 | 131.1 | 1,707 | - | 131.1 | 1,707 | - |
| C | KERENS | 213 | 1,681 | 0.0% | 378 | 201 | 16 | 192.3 | 140.0 | 264 | 98 | 140.0 | 264 | 98 |
| C | KIOWA HOMEOWNERS WSC | 137 | 3,709 | 0.0% | 532 | 128 | 29 | 121.1 | 121.1 | 503 | - | 121.1 | 503 | - |
| C | KRUGERVILLE | 97 | 4,300 | 0.0% | 486 | 101 | 33 | 94.1 | 94.1 | 453 | - | 94.1 | 453 | - |
| C | KRUM | 122 | 11,500 | 0.1% | 1,752 | 136 | 97 | 128.5 | 128.5 | 1,655 | - | 128.5 | 1,655 | - |
| C | LADONIA | 326 | 3,000 | 0.0% | 1,055 | 314 | 93 | 286.3 | 187.8 | 631 | 331 | 140.0 | 470 | 492 |
| C | LAKE DALLAS | 136 | 11,179 | 0.1% | 1,766 | 141 | 158 | 128.4 | 128.4 | 1,608 | - | 128.4 | 1,608 | - |
| C | LAKE WORTH | 169 | 7,500 | 0.1% | 1,344 | 160 | 144 | 142.8 | 140.0 | 1,176 | 24 | 140.0 | 1,176 | 24 |
| C | LAKESIDE | 321 | 2,436 | 0.0% | 846 | 310 | 134 | 260.9 | 184.8 | 504 | 208 | 140.0 | 382 | 330 |
| C | LANCASTER | 138 | 146,000 | 1.1% | 20,933 | 128 | 1,059 | 121.5 | 121.5 | 19,874 | - | 121.5 | 19,874 | - |
| C | LAVON WSC | 91 | 41,841 | 0.3% | 5,015 | 107 | 363 | 99.3 | 99.3 | 4,652 | - | 99.3 | 4,652 | - |
| C | LEONARD | 116 | 10,000 | 0.1% | 1,299 | 116 | 77 | 109.1 | 109.1 | 1,222 | - | 109.1 | 1,222 | - |
| C | LEWISVILLE | 172 | 185,002 | 1.4% | 35,230 | 170 | 4,395 | 148.8 | 140.0 | 29,011 | 1,824 | 140.0 | 29,011 | 1,824 |

Table 1: Calculation of potential savings with water efficiency goals of Texas Water Conservation Implementation Task Force.

| Reg | Water User Group (WUG) name | RWPG Year 2005 base use rate* (gpcd) | Regional Water Planning Groups proposed water use and water efficiency data @ year 2060 | | | | | | Yr 2060, addtnl. potential savings w. WCITF 1% annual reduction | | | Yr 2060, addtnl. potential savings w. WCITF 140 gpcd target. | | |
|-----|-----------------------------|--------------------------------------|---|-----------------------|----------------------------|---------------------------|-----------------------------------|--------------------------|---|------------------------------|---------------------------------|--|------------------------------|---------------------------------|
| | | | 2060 Population | Portion of region (%) | TWDB base demand** (af/yr) | TWDB base use rate (gpcd) | propos- ed effic. sav.*** (af/yr) | RWPG net use rate (gpcd) | potent- ial use rate† (gpcd) | revised total demand (af/yr) | addtl. demand reduct.†† (af/yr) | potent- ial use rate‡ (gpcd) | revised total demand (af/yr) | addtl. demand reduct.†† (af/yr) |
| C | LINCOLN PARK | 128 | 2,632 | 0.0% | 410 | 139 | 22 | 131.6 | 131.6 | 388 | - | 131.6 | 388 | - |
| C | LINDSAY | 156 | 981 | 0.0% | 160 | 146 | 17 | 130.1 | 130.1 | 143 | - | 130.1 | 143 | - |
| C | LITTLE ELM | 169 | 47,477 | 0.4% | 9,785 | 184 | 1,016 | 164.9 | 140.0 | 7,445 | 1,324 | 140.0 | 7,445 | 1,324 |
| C | LOG CABIN | 92 | 1,200 | 0.0% | 141 | 105 | 10 | 97.5 | 97.5 | 131 | - | 97.5 | 131 | - |
| C | LOWRY CROSSING | 175 | 12,635 | 0.1% | 2,321 | 164 | 214 | 148.9 | 140.0 | 1,981 | 126 | 140.0 | 1,981 | 126 |
| C | LUCAS | 121 | 30,000 | 0.2% | 4,537 | 135 | 254 | 127.5 | 127.5 | 4,283 | - | 127.5 | 4,283 | - |
| C | LUELLA WSC | 107 | 5,770 | 0.0% | 672 | 104 | 43 | 97.3 | 97.3 | 629 | - | 97.3 | 629 | - |
| C | M E N WSC | 117 | 5,180 | 0.0% | 621 | 107 | 39 | 100.3 | 100.3 | 582 | - | 100.3 | 582 | - |
| C | MABANK | 181 | 6,149 | 0.0% | 1,288 | 187 | 277 | 146.8 | 140.0 | 964 | 47 | 140.0 | 964 | 47 |
| C | MAC BEE WSC | 115 | 726 | 0.0% | 94 | 116 | 6 | 108.2 | 108.2 | 88 | - | 108.2 | 88 | - |
| C | MALAKOFF | 141 | 3,228 | 0.0% | 532 | 147 | 24 | 140.5 | 140.0 | 506 | - | 140.0 | 506 | - |
| C | MANSFIELD | 224 | 127,675 | 1.0% | 34,466 | 241 | 3,946 | 213.4 | 140.0 | 20,021 | 10,499 | 140.0 | 20,021 | 10,499 |
| C | MAYPEARL | 154 | 746 | 0.0% | 135 | 162 | 14 | 144.8 | 140.0 | 117 | 4 | 140.0 | 117 | 4 |
| C | MCKINNEY | 228 | 400,000 | 3.1% | 108,430 | 242 | 15,272 | 207.9 | 140.0 | 62,726 | 30,432 | 140.0 | 62,726 | 30,432 |
| C | MCLENDON-CHISHOLM | 138 | 3,255 | 0.0% | 467 | 128 | 27 | 120.7 | 120.7 | 440 | - | 120.7 | 440 | - |
| C | MELISSA | 100 | 50,000 | 0.4% | 10,753 | 192 | 1,045 | 173.3 | 140.0 | 7,841 | 1,867 | 140.0 | 7,841 | 1,867 |
| C | MESQUITE | 160 | 250,610 | 1.9% | 42,670 | 152 | 5,337 | 133.0 | 133.0 | 37,333 | - | 133.0 | 37,333 | - |
| C | MIDLOTHIAN | 189 | 50,163 | 0.4% | 10,170 | 181 | 1,431 | 155.5 | 140.0 | 7,866 | 873 | 140.0 | 7,866 | 873 |
| C | MILFORD | 108 | 685 | 0.0% | 77 | 100 | 5 | 93.8 | 93.8 | 72 | - | 93.8 | 72 | - |
| C | MILLIGAN WSC | 112 | 1,621 | 0.0% | 183 | 101 | 14 | 93.1 | 93.1 | 169 | - | 93.1 | 169 | - |
| C | MINERAL WELLS | 173 | 4,000 | 0.0% | 726 | 162 | 52 | 150.4 | 140.0 | 627 | 47 | 140.0 | 627 | 47 |
| C | MOUNTAIN PEAK WSC | 164 | 14,031 | 0.1% | 2,452 | 156 | 912 | 98.0 | 98.0 | 1,540 | - | 98.0 | 1,540 | - |
| C | MT ZION WSC | 234 | 3,500 | 0.0% | 866 | 221 | 77 | 201.3 | 140.0 | 549 | 240 | 140.0 | 549 | 240 |
| C | MUENSTER | 164 | 3,300 | 0.0% | 621 | 168 | 68 | 149.6 | 140.0 | 517 | 36 | 140.0 | 517 | 36 |
| C | MURPHY | 171 | 28,500 | 0.2% | 5,746 | 180 | 569 | 162.2 | 140.0 | 4,469 | 708 | 140.0 | 4,469 | 708 |
| C | MUSTANG WSC | 124 | 22,894 | 0.2% | 3,385 | 132 | 211 | 123.8 | 123.8 | 3,174 | - | 123.8 | 3,174 | - |
| C | NAVARRO MILLS WSC | 90 | 9,804 | 0.1% | 1,120 | 102 | 72 | 95.4 | 95.4 | 1,048 | - | 95.4 | 1,048 | - |
| C | NEVADA | 322 | 15,000 | 0.1% | 5,226 | 311 | 431 | 285.4 | 185.4 | 3,116 | 1,679 | 140.0 | 2,352 | 2,443 |
| C | NEW FAIRVIEW | 114 | 4,654 | 0.0% | 579 | 111 | 40 | 103.4 | 103.4 | 539 | - | 103.4 | 539 | - |
| C | NEW HOPE | 291 | 10,000 | 0.1% | 3,148 | 281 | 271 | 256.8 | 167.6 | 1,877 | 1,000 | 140.0 | 1,568 | 1,309 |
| C | NEWARK | 111 | 6,216 | 0.0% | 787 | 113 | 47 | 106.3 | 106.3 | 740 | - | 106.3 | 740 | - |
| C | NORTH COLLIN WSC | 158 | 12,012 | 0.1% | 2,005 | 149 | 218 | 132.8 | 132.8 | 1,787 | - | 132.8 | 1,787 | - |
| C | NORTH HUNT WSC | 115 | 542 | 0.0% | 70 | 115 | 4 | 108.7 | 108.7 | 66 | - | 108.7 | 66 | - |
| C | NORTH RICHLAND HILLS | 167 | 87,751 | 0.7% | 16,022 | 163 | 1,890 | 143.8 | 140.0 | 13,761 | 371 | 140.0 | 13,761 | 371 |
| C | NORTHLAKE | 132 | 21,195 | 0.2% | 3,443 | 145 | 332 | 131.0 | 131.0 | 3,111 | - | 131.0 | 3,111 | - |
| C | OAK GROVE | 101 | 2,274 | 0.0% | 283 | 111 | 19 | 103.6 | 103.6 | 264 | - | 103.6 | 264 | - |
| C | OAK LEAF | 174 | 2,960 | 0.0% | 640 | 193 | 58 | 175.5 | 140.0 | 464 | 118 | 140.0 | 464 | 118 |
| C | OAK POINT | 121 | 11,886 | 0.1% | 1,904 | 143 | 179 | 129.6 | 129.6 | 1,725 | - | 129.6 | 1,725 | - |
| C | OVILLA | 185 | 11,846 | 0.1% | 2,349 | 177 | 231 | 159.6 | 140.0 | 1,858 | 260 | 140.0 | 1,858 | 260 |
| C | PALMER | 107 | 2,670 | 0.0% | 302 | 101 | 20 | 94.3 | 94.3 | 282 | - | 94.3 | 282 | - |
| C | PANTEGO | 251 | 2,318 | 0.0% | 621 | 239 | 57 | 217.2 | 144.7 | 376 | 188 | 140.0 | 363 | 201 |

Table 1: Calculation of potential savings with water efficiency goals of Texas Water Conservation Implementation Task Force.

| Reg | Water User Group (WUG) name | RWPG Year 2005 base use rate* (gpcd) | Regional Water Planning Groups proposed water use and water efficiency data @ year 2060 | | | | | | Yr 2060, addtnl. potential savings w. WCITF 1% annual reduction | | | Yr 2060, addtnl. potential savings w. WCITF 140 gpcd target. | | |
|-----|-----------------------------|--------------------------------------|---|-----------------------|----------------------------|---------------------------|-----------------------------------|--------------------------|---|------------------------------|---------------------------------|--|------------------------------|---------------------------------|
| | | | 2060 Population | Portion of region (%) | TWDB base demand** (af/yr) | TWDB base use rate (gpcd) | propos- ed effic. sav.*** (af/yr) | RWPG net use rate (gpcd) | potent- ial use rate† (gpcd) | revised total demand (af/yr) | addtl. demand reduct.†† (af/yr) | potent- ial use rate‡ (gpcd) | revised total demand (af/yr) | addtl. demand reduct.†† (af/yr) |
| C | PARKER | 334 | 52,000 | 0.4% | 19,338 | 332 | 1,680 | 303.2 | 192.2 | 11,196 | 6,462 | 140.0 | 8,154 | 9,504 |
| C | PAYNE SPRINGS | 198 | 1,024 | 0.0% | 220 | 192 | 21 | 173.5 | 140.0 | 161 | 38 | 140.0 | 161 | 38 |
| C | PECAN HILL | 162 | 1,512 | 0.0% | 285 | 168 | 26 | 152.9 | 140.0 | 237 | 22 | 140.0 | 237 | 22 |
| C | PELICAN BAY | 74 | 2,963 | 0.0% | 339 | 102 | 22 | 95.5 | 95.5 | 317 | - | 95.5 | 317 | - |
| C | PILOT POINT | 128 | 15,000 | 0.1% | 2,335 | 139 | 117 | 132.0 | 132.0 | 2,218 | - | 132.0 | 2,218 | - |
| C | PLANO | 255 | 305,000 | 2.3% | 85,069 | 249 | 7,389 | 227.4 | 147.0 | 50,221 | 27,459 | 140.0 | 47,829 | 29,851 |
| C | PONDER | 313 | 19,000 | 0.1% | 6,491 | 305 | 549 | 279.2 | 180.3 | 3,837 | 2,105 | 140.0 | 2,979 | 2,963 |
| C | POTTSBORO | 147 | 12,000 | 0.1% | 1,976 | 147 | 208 | 131.5 | 131.5 | 1,768 | - | 131.5 | 1,768 | - |
| C | PRINCETON | 106 | 75,000 | 0.6% | 11,509 | 137 | 563 | 130.3 | 130.3 | 10,946 | - | 130.3 | 10,946 | - |
| C | PROSPER | 209 | 75,000 | 0.6% | 20,247 | 241 | 1,838 | 219.1 | 140.0 | 11,761 | 6,648 | 140.0 | 11,761 | 6,648 |
| C | R-C-H WSC | 160 | 3,515 | 0.0% | 583 | 148 | 58 | 133.3 | 133.3 | 525 | - | 133.3 | 525 | - |
| C | RED OAK | 163 | 13,455 | 0.1% | 2,517 | 167 | 238 | 151.2 | 140.0 | 2,110 | 169 | 140.0 | 2,110 | 169 |
| C | RENO | 105 | 3,005 | 0.0% | 337 | 100 | 22 | 93.6 | 93.6 | 315 | - | 93.6 | 315 | - |
| C | RHOME | 222 | 11,825 | 0.1% | 2,914 | 220 | 254 | 200.8 | 140.0 | 1,854 | 806 | 140.0 | 1,854 | 806 |
| C | RICE | 216 | 1,998 | 0.0% | 463 | 207 | 36 | 190.8 | 140.0 | 313 | 114 | 140.0 | 313 | 114 |
| C | RICE WSC | 106 | 20,152 | 0.2% | 2,347 | 104 | 149 | 97.4 | 97.4 | 2,198 | - | 97.4 | 2,198 | - |
| C | RICHARDSON | 282 | 116,000 | 0.9% | 35,343 | 272 | 3,137 | 247.9 | 162.0 | 21,045 | 11,161 | 140.0 | 18,191 | 14,015 |
| C | RICHLAND HILLS | 132 | 10,850 | 0.1% | 1,580 | 130 | 82 | 123.3 | 123.3 | 1,498 | - | 123.3 | 1,498 | - |
| C | RIVER OAKS | 129 | 7,100 | 0.1% | 923 | 116 | 55 | 109.1 | 109.1 | 868 | - | 109.1 | 868 | - |
| C | ROANOKE | 209 | 24,094 | 0.2% | 6,450 | 239 | 621 | 216.0 | 140.0 | 3,778 | 2,051 | 140.0 | 3,778 | 2,051 |
| C | ROCKETT SUD | 120 | 66,139 | 0.5% | 8,223 | 111 | 500 | 104.2 | 104.2 | 7,723 | - | 104.2 | 7,723 | - |
| C | ROCKWALL | 228 | 82,113 | 0.6% | 22,075 | 240 | 1,961 | 218.7 | 140.0 | 12,877 | 7,237 | 140.0 | 12,877 | 7,237 |
| C | ROWLETT | 176 | 98,747 | 0.8% | 20,905 | 189 | 1,980 | 171.1 | 140.0 | 15,485 | 3,440 | 140.0 | 15,485 | 3,440 |
| C | ROYSE CITY | 184 | 48,146 | 0.4% | 10,085 | 187 | 984 | 168.8 | 140.0 | 7,550 | 1,551 | 140.0 | 7,550 | 1,551 |
| C | RUNAWAY BAY | 189 | 3,378 | 0.0% | 685 | 181 | 60 | 165.2 | 140.0 | 530 | 95 | 140.0 | 530 | 95 |
| C | SACHSE | 188 | 27,745 | 0.2% | 5,905 | 190 | 663 | 168.7 | 140.0 | 4,351 | 891 | 140.0 | 4,351 | 891 |
| C | SAGINAW | 157 | 25,930 | 0.2% | 4,618 | 159 | 458 | 143.2 | 140.0 | 4,066 | 94 | 140.0 | 4,066 | 94 |
| C | SAINT PAUL | 174 | 10,000 | 0.1% | 1,848 | 165 | 172 | 149.6 | 140.0 | 1,568 | 108 | 140.0 | 1,568 | 108 |
| C | SANGER | 151 | 25,000 | 0.2% | 4,537 | 162 | 422 | 146.9 | 140.0 | 3,920 | 195 | 140.0 | 3,920 | 195 |
| C | SANSOM PARK VILLAGE | 123 | 4,857 | 0.0% | 615 | 113 | 38 | 106.1 | 106.1 | 577 | - | 106.1 | 577 | - |
| C | SARDIS-LONE ELM WSC | 189 | 13,444 | 0.1% | 2,695 | 179 | 256 | 162.0 | 140.0 | 2,108 | 331 | 140.0 | 2,108 | 331 |
| C | SAVOY | 106 | 974 | 0.0% | 109 | 100 | 7 | 93.5 | 93.5 | 102 | - | 93.5 | 102 | - |
| C | SEAGOVILLE | 132 | 27,517 | 0.2% | 3,853 | 125 | 194 | 118.7 | 118.7 | 3,659 | - | 118.7 | 3,659 | - |
| C | SEVEN POINTS | 110 | 3,016 | 0.0% | 355 | 105 | 22 | 98.6 | 98.6 | 333 | - | 98.6 | 333 | - |
| C | SHADY SHORES | 121 | 5,288 | 0.0% | 811 | 137 | 44 | 129.5 | 129.5 | 767 | - | 129.5 | 767 | - |
| C | SHERMAN | 226 | 80,000 | 0.6% | 21,238 | 237 | 2,716 | 206.7 | 140.0 | 12,545 | 5,977 | 140.0 | 12,545 | 5,977 |
| C | SOUTH GRAYSON WSC | 128 | 6,675 | 0.1% | 897 | 120 | 60 | 111.9 | 111.9 | 837 | - | 111.9 | 837 | - |
| C | SOUTHLAKE | 288 | 54,445 | 0.4% | 17,930 | 294 | 1,461 | 270.1 | 165.7 | 10,106 | 6,363 | 140.0 | 8,538 | 7,931 |
| C | SOUTHMAYD | 113 | 5,600 | 0.0% | 652 | 104 | 42 | 97.2 | 97.2 | 610 | - | 97.2 | 610 | - |
| C | SOUTHWEST FANNIN COUN | 79 | 10,476 | 0.1% | 1,232 | 105 | 78 | 98.3 | 98.3 | 1,154 | - | 98.3 | 1,154 | - |
| C | SPRINGTOWN | 143 | 8,000 | 0.1% | 1,272 | 142 | 152 | 125.0 | 125.0 | 1,120 | - | 125.0 | 1,120 | - |

Table 1: Calculation of potential savings with water efficiency goals of Texas Water Conservation Implementation Task Force.

| Reg | Water User Group (WUG) name | RWPG Year 2005 base use rate* (gpcd) | Regional Water Planning Groups proposed water use and water efficiency data @ year 2060 | | | | | | Yr 2060, addtnl. potential savings w. WCITF 1% annual reduction | | | Yr 2060, addtnl. potential savings w. WCITF 140 gpcd target. | | |
|-----|-----------------------------|--------------------------------------|---|-----------------------|----------------------------|---------------------------|-----------------------------------|--------------------------|---|------------------------------|---------------------------------|--|------------------------------|---------------------------------|
| | | | 2060 Population | Portion of region (%) | TWDB base demand** (af/yr) | TWDB base use rate (gpcd) | propos- ed effic. sav.*** (af/yr) | RWPG net use rate (gpcd) | potent- ial use rate† (gpcd) | revised total demand (af/yr) | addtl. demand reduct.†† (af/yr) | potent- ial use rate‡ (gpcd) | revised total demand (af/yr) | addtl. demand reduct.†† (af/yr) |
| C | SUNNYVALE | 320 | 13,300 | 0.1% | 4,618 | 310 | 398 | 283.3 | 184.1 | 2,742 | 1,478 | 140.0 | 2,086 | 2,134 |
| C | TALTY | 315 | 11,211 | 0.1% | 3,943 | 314 | 320 | 288.5 | 181.5 | 2,279 | 1,344 | 140.0 | 1,758 | 1,865 |
| C | TEAGUE | 83 | 8,424 | 0.1% | 982 | 104 | 52 | 98.6 | 98.6 | 930 | - | 98.6 | 930 | - |
| C | TERRELL | 210 | 28,445 | 0.2% | 6,372 | 200 | 753 | 176.4 | 140.0 | 4,461 | 1,158 | 140.0 | 4,461 | 1,158 |
| C | THE COLONY | 103 | 67,600 | 0.5% | 7,648 | 101 | 511 | 94.3 | 94.3 | 7,137 | - | 94.3 | 7,137 | - |
| C | TIOGA | 139 | 4,600 | 0.0% | 757 | 147 | 92 | 129.1 | 129.1 | 665 | - | 129.1 | 665 | - |
| C | TOM BEAN | 211 | 2,000 | 0.0% | 448 | 200 | 118 | 147.3 | 140.0 | 314 | 16 | 140.0 | 314 | 16 |
| C | TOOL | 134 | 4,771 | 0.0% | 695 | 130 | 38 | 122.9 | 122.9 | 657 | - | 122.9 | 657 | - |
| C | TRENTON | 186 | 8,000 | 0.1% | 1,550 | 173 | 510 | 116.1 | 116.1 | 1,040 | - | 116.1 | 1,040 | - |
| C | TRINIDAD | 137 | 1,246 | 0.0% | 190 | 136 | 11 | 128.3 | 128.3 | 179 | - | 128.3 | 179 | - |
| C | TROPHY CLUB | 310 | 12,000 | 0.1% | 4,073 | 303 | 397 | 273.5 | 178.6 | 2,401 | 1,275 | 140.0 | 1,882 | 1,794 |
| C | TWO WAY SUD | 96 | 12,945 | 0.1% | 1,508 | 104 | 96 | 97.4 | 97.4 | 1,412 | - | 97.4 | 1,412 | - |
| C | UNIVERSITY PARK | 263 | 25,693 | 0.2% | 7,483 | 260 | 259 | 251.0 | 151.6 | 4,363 | 2,861 | 140.0 | 4,029 | 3,195 |
| C | VALLEY VIEW | 107 | 15,000 | 0.1% | 1,714 | 102 | 110 | 95.5 | 95.5 | 1,604 | - | 95.5 | 1,604 | - |
| C | VAN ALSTYNE | 153 | 19,200 | 0.1% | 4,022 | 187 | 402 | 168.3 | 140.0 | 3,011 | 609 | 140.0 | 3,011 | 609 |
| C | VENUS | 0 | - | 0.0% | - | 0 | - | 0.0 | 0.0 | - | - | 0.0 | - | - |
| C | VIRGINIA HILL WSC | 107 | 3,219 | 0.0% | 364 | 101 | 24 | 94.3 | 94.3 | 340 | - | 94.3 | 340 | - |
| C | WALNUT CREEK SUD | 107 | 41,311 | 0.3% | 4,812 | 104 | 305 | 97.4 | 97.4 | 4,507 | - | 97.4 | 4,507 | - |
| C | WATAUGA | 125 | 27,468 | 0.2% | 3,723 | 121 | 220 | 113.9 | 113.9 | 3,503 | - | 113.9 | 3,503 | - |
| C | WAXAHACHIE | 197 | 97,206 | 0.7% | 21,341 | 196 | 2,598 | 172.1 | 140.0 | 15,243 | 3,500 | 140.0 | 15,243 | 3,500 |
| C | WEATHERFORD | 183 | 54,799 | 0.4% | 10,741 | 175 | 1,219 | 155.1 | 140.0 | 8,593 | 929 | 140.0 | 8,593 | 929 |
| C | WEST CEDAR CREEK MUD | 85 | 63,933 | 0.5% | 7,520 | 105 | 483 | 98.3 | 98.3 | 7,037 | - | 98.3 | 7,037 | - |
| C | WEST WISE RURAL SUD | 126 | 5,568 | 0.0% | 717 | 115 | 42 | 108.2 | 108.2 | 675 | - | 108.2 | 675 | - |
| C | WESTON | 92 | 60,000 | 0.5% | 12,702 | 189 | 1,174 | 171.5 | 140.0 | 9,409 | 2,119 | 140.0 | 9,409 | 2,119 |
| C | WESTOVER HILLS | 376 | 658 | 0.0% | 268 | 364 | 25 | 329.7 | 216.6 | 160 | 83 | 140.0 | 103 | 140 |
| C | WESTWORTH VILLAGE | 87 | 3,200 | 0.0% | 362 | 101 | 24 | 94.3 | 94.3 | 338 | - | 94.3 | 338 | - |
| C | WHITE SETTLEMENT | 144 | 22,000 | 0.2% | 3,253 | 132 | 154 | 125.8 | 125.8 | 3,099 | - | 125.8 | 3,099 | - |
| C | WHITESBORO | 149 | 10,000 | 0.1% | 1,636 | 146 | 177 | 130.3 | 130.3 | 1,459 | - | 130.3 | 1,459 | - |
| C | WHITEWRIGHT | 188 | 7,541 | 0.1% | 1,572 | 186 | 141 | 169.4 | 140.0 | 1,183 | 248 | 140.0 | 1,183 | 248 |
| C | WILLOW PARK | 149 | 8,722 | 0.1% | 1,348 | 138 | 73 | 130.5 | 130.5 | 1,275 | - | 130.5 | 1,275 | - |
| C | WILMER | 101 | 22,000 | 0.2% | 2,563 | 104 | 147 | 98.0 | 98.0 | 2,416 | - | 98.0 | 2,416 | - |
| C | WOODBINE WSC | 108 | 8,013 | 0.1% | 915 | 102 | 59 | 95.4 | 95.4 | 856 | - | 95.4 | 856 | - |
| C | WORTHAM | 156 | 1,217 | 0.0% | 251 | 184 | 22 | 168.0 | 140.0 | 191 | 38 | 140.0 | 191 | 38 |
| C | WYLIE | 162 | 100,000 | 0.8% | 21,283 | 190 | 2,778 | 165.2 | 140.0 | 15,682 | 2,823 | 140.0 | 15,682 | 2,823 |
| D | ABLE SPRINGS WSC | 88 | 2,307 | 0.2% | 269 | 104 | - | 104.1 | 104.1 | 269 | - | 104.1 | 269 | - |
| D | ATLANTA | 205 | 6,557 | 0.5% | 1,410 | 192 | - | 192.0 | 140.0 | 1,028 | 382 | 140.0 | 1,028 | 382 |
| D | BETHEL-ASH WSC | 75 | 797 | 0.1% | 59 | 66 | - | 66.1 | 66.1 | 59 | - | 66.1 | 59 | - |
| D | BI-COUNTY WSC | 115 | 15,981 | 1.3% | 2,059 | 115 | - | 115.0 | 115.0 | 2,059 | - | 115.0 | 2,059 | - |
| D | BIG SANDY | 134 | 1,589 | 0.1% | 217 | 122 | - | 121.9 | 121.9 | 217 | - | 121.9 | 217 | - |
| D | BLACKLAND WSC | 91 | 196 | 0.0% | 23 | 105 | - | 104.8 | 104.8 | 23 | - | 104.8 | 23 | - |
| D | BLOSSOM | 115 | 1,900 | 0.2% | 245 | 115 | - | 115.1 | 115.1 | 245 | - | 115.1 | 245 | - |

Table 1: Calculation of potential savings with water efficiency goals of Texas Water Conservation Implementation Task Force.

| Reg | Water User Group (WUG) name | RWPG Year 2005 base use rate* (gpcd) | Regional Water Planning Groups proposed water use and water efficiency data @ year 2060 | | | | | | Yr 2060, addtnl. potential savings w. WCITF 1% annual reduction | | | Yr 2060, addtnl. potential savings w. WCITF 140 gpcd target. | | |
|-----|-----------------------------|--------------------------------------|---|-----------------------|----------------------------|---------------------------|-----------------------------------|--------------------------|---|------------------------------|---------------------------------|--|------------------------------|---------------------------------|
| | | | 2060 Population | Portion of region (%) | TWDB base demand** (af/yr) | TWDB base use rate (gpcd) | propos- ed effic. sav.*** (af/yr) | RWPG net use rate (gpcd) | potent- ial use rate† (gpcd) | revised total demand (af/yr) | addtl. demand reduct.†† (af/yr) | potent- ial use rate‡ (gpcd) | revised total demand (af/yr) | addtl. demand reduct.†† (af/yr) |
| D | BOGATA | 125 | 1,390 | 0.1% | 179 | 115 | - | 115.0 | 115.0 | 179 | - | 115.0 | 179 | - |
| D | BRIGHT STAR-SALEM WSC | 115 | 5,208 | 0.4% | 671 | 115 | - | 115.0 | 115.0 | 671 | - | 115.0 | 671 | - |
| D | CADDO BASIN SUD | 115 | 25,195 | 2.1% | 3,246 | 115 | - | 115.0 | 115.0 | 3,246 | - | 115.0 | 3,246 | - |
| D | CADDO MILLS | 132 | 2,318 | 0.2% | 309 | 119 | - | 119.0 | 119.0 | 309 | - | 119.0 | 309 | - |
| D | CAMPBELL | 115 | 1,470 | 0.1% | 189 | 115 | - | 114.8 | 114.8 | 189 | - | 114.8 | 189 | - |
| D | CAMPBELL WSC | 115 | 5,917 | 0.5% | 762 | 115 | - | 115.0 | 115.0 | 762 | - | 115.0 | 762 | - |
| D | CANTON | 236 | 4,613 | 0.4% | 1,152 | 223 | - | 223.0 | 140.0 | 723 | 429 | 140.0 | 723 | 429 |
| D | CASH SUD | 115 | 73,452 | 6.1% | 9,462 | 115 | - | 115.0 | 115.0 | 9,462 | - | 115.0 | 9,462 | - |
| D | CELESTE | 115 | 2,031 | 0.2% | 262 | 115 | - | 115.2 | 115.2 | 262 | - | 115.2 | 262 | - |
| D | CENTRAL BOWIE WSC | 115 | 6,169 | 0.5% | 795 | 115 | - | 115.1 | 115.1 | 795 | - | 115.1 | 795 | - |
| D | CLARKSVILLE | 170 | 3,866 | 0.3% | 680 | 157 | - | 157.0 | 140.0 | 606 | 74 | 140.0 | 606 | 74 |
| D | CLARKSVILLE CITY | 115 | 1,621 | 0.1% | 209 | 115 | - | 115.1 | 115.1 | 209 | - | 115.1 | 209 | - |
| D | CO.Unic.:BOWIE | 136 | 30,956 | 2.6% | 4,287 | 124 | - | 123.6 | 123.6 | 4,287 | - | 123.6 | 4,287 | - |
| D | CO.Unic.:CAMP | 118 | 211 | 0.0% | 27 | 114 | - | 114.2 | 114.2 | 27 | - | 114.2 | 27 | - |
| D | CO.Unic.:CASS | 116 | 21,658 | 1.8% | 2,790 | 115 | - | 115.0 | 115.0 | 2,790 | - | 115.0 | 2,790 | - |
| D | CO.Unic.:DELTA | 123 | 3,990 | 0.3% | 514 | 115 | - | 115.0 | 115.0 | 514 | - | 115.0 | 514 | - |
| D | CO.Unic.:FRANKLIN | 129 | 1,890 | 0.2% | 268 | 127 | - | 126.6 | 126.6 | 268 | - | 126.6 | 268 | - |
| D | CO.Unic.:GREGG | 122 | 15,300 | 1.3% | 1,986 | 116 | - | 115.9 | 115.9 | 1,986 | - | 115.9 | 1,986 | - |
| D | CO.Unic.:HARRISON | 115 | 39,976 | 3.3% | 5,150 | 115 | - | 115.0 | 115.0 | 5,150 | - | 115.0 | 5,150 | - |
| D | CO.Unic.:HOPKINS | 137 | 8,953 | 0.7% | 1,266 | 126 | - | 126.2 | 126.2 | 1,266 | - | 126.2 | 1,266 | - |
| D | CO.Unic.:HUNT | 119 | 47,014 | 3.9% | 6,063 | 115 | - | 115.1 | 115.1 | 6,063 | - | 115.1 | 6,063 | - |
| D | CO.Unic.:LAMAR | 119 | 2,205 | 0.2% | 284 | 115 | - | 115.0 | 115.0 | 284 | - | 115.0 | 284 | - |
| D | CO.Unic.:MARION | 115 | 9,135 | 0.8% | 1,177 | 115 | - | 115.0 | 115.0 | 1,177 | - | 115.0 | 1,177 | - |
| D | CO.Unic.:MORRIS | 122 | 4,698 | 0.4% | 608 | 116 | - | 115.5 | 115.5 | 608 | - | 115.5 | 608 | - |
| D | CO.Unic.:RAINS | 141 | 6,290 | 0.5% | 944 | 134 | - | 134.0 | 134.0 | 944 | - | 134.0 | 944 | - |
| D | CO.Unic.:RED RIVER | 121 | 3,667 | 0.3% | 473 | 115 | - | 115.2 | 115.2 | 473 | - | 115.2 | 473 | - |
| D | CO.Unic.:SMITH | 124 | 29,533 | 2.4% | 3,804 | 115 | - | 115.0 | 115.0 | 3,804 | - | 115.0 | 3,804 | - |
| D | CO.Unic.:TITUS | 126 | 13,325 | 1.1% | 1,738 | 116 | - | 116.4 | 116.4 | 1,738 | - | 116.4 | 1,738 | - |
| D | CO.Unic.:UPSHUR | 117 | 15,620 | 1.3% | 2,012 | 115 | - | 115.0 | 115.0 | 2,012 | - | 115.0 | 2,012 | - |
| D | CO.Unic.:VAN ZANDT | 115 | 40,959 | 3.4% | 5,276 | 115 | - | 115.0 | 115.0 | 5,276 | - | 115.0 | 5,276 | - |
| D | CO.Unic.:WOOD | 128 | 28,003 | 2.3% | 3,700 | 118 | - | 118.0 | 118.0 | 3,700 | - | 118.0 | 3,700 | - |
| D | COMBINED CONSUMERS W | 115 | 40,681 | 3.4% | 5,241 | 115 | - | 115.0 | 115.0 | 5,241 | - | 115.0 | 5,241 | - |
| D | COMMERCE | 157 | 19,860 | 1.6% | 3,248 | 146 | - | 146.0 | 140.0 | 3,114 | 134 | 140.0 | 3,114 | 134 |
| D | COMMUNITY WATER COMP. | 84 | 774 | 0.1% | 89 | 103 | - | 102.7 | 102.7 | 89 | - | 102.7 | 89 | - |
| D | COMO | 115 | 884 | 0.1% | 114 | 115 | - | 115.1 | 115.1 | 114 | - | 115.1 | 114 | - |
| D | COOPER | 154 | 2,924 | 0.2% | 462 | 141 | - | 141.1 | 140.0 | 459 | 3 | 140.0 | 459 | 3 |
| D | CRYSTAL SYSTEMS INC | 183 | 6,649 | 0.5% | 1,288 | 173 | - | 172.9 | 140.0 | 1,043 | 245 | 140.0 | 1,043 | 245 |
| D | CUMBY | 131 | 877 | 0.1% | 117 | 119 | - | 119.1 | 119.1 | 117 | - | 119.1 | 117 | - |
| D | CYPRESS SPRINGS WSC | 124 | 9,964 | 0.8% | 1,285 | 115 | - | 115.1 | 115.1 | 1,285 | - | 115.1 | 1,285 | - |
| D | DAINGERFIELD | 150 | 2,515 | 0.2% | 386 | 137 | - | 137.0 | 137.0 | 386 | - | 137.0 | 386 | - |
| D | DE KALB | 122 | 2,246 | 0.2% | 290 | 115 | - | 115.3 | 115.3 | 290 | - | 115.3 | 290 | - |

