

October 2020

---

# NORTH TEXAS OUTDOOR WATERING SURVEY



Texas  
Living Waters  
Project

# ACKNOWLEDGMENTS

The *North Texas Outdoor Watering Survey* was researched and written by Meghan Bock and Ian Johnston of AIQUEOUS in collaboration with Jennifer Walker and Jonathan Seefeldt of National Wildlife Federation.

The National Wildlife Federation is a partner in the Texas Living Waters Project, a collaboration of conservation organizations working to ensure fresh water will be available to support both the people of Texas and the wildlife and habitats that constitute the state's natural heritage. Our project partners are the Lone Star Chapter of the Sierra Club, Galveston Bay Foundation, and Hill Country Alliance. Learn more about the Texas Living Waters Project at [texaslivingwaters.org](http://texaslivingwaters.org).

This report was funded through the generous support of The Meadows Foundation.

## CONTENTS

Background 3

Introduction 3

Outdoor Watering Limits in Texas 4

Savings from Outdoor Watering Limitations 7

Why Focus on Outdoor Watering? 8

What's Next? 9

References 10

Appendix 11



# BACKGROUND

Landscape irrigation is estimated to be the single-largest component of municipal water use in Texas. Municipal water demand, in turn, is the second-largest category of water use in the state, second only to agriculture. Texas communities aiming to use water supplies efficiently, therefore, need to take a hard look at the lawn. For this reason and as part of a greater effort to enable a resilient water future for Texas, the Texas Living Waters Project has performed an analysis of how each water provider in North Texas is approaching outdoor water use. We ask if communities are limiting the number of days per week that customers can water their lawns or simply limiting the number of hours per day automatic irrigation systems can be operated? We then examine both how much water can be saved through outdoor irrigation management and how much water we need to save to meet the region's future water needs.

## INTRODUCTION

For much of Texas, reducing the demand for outdoor irrigation represents an immediate opportunity and a long-term necessity. For North Texas in particular, rapid population growth, coupled with burgeoning housing markets and a higher penetration of in-ground irrigation systems will drive significantly higher outdoor water use in the coming years and decades (Region C Water Planning Group, 2020). Indeed, according to the Region C Region Water Plan, North Texas has over 25% of the state's population and anticipates a staggering 16% growth by the year 2030. At the same time, rising temperatures and decreasing rainfall for much of Texas and the Southwest will raise the risk and likelihood of future severe droughts. In order to proactively manage water supplies in the face of these challenges, North Texas utilities will need to enlist a comprehensive set of landscaping and irrigation practices designed to help their customers reduce outdoor water uses.

***For the purposes of this report and analysis, we define North Texas as the counties included in the Region C Region Water Planning Group.***

To support better practices, instituting outdoor watering limitations is a straight-forward, minimal-cost strategy. By curbing the hours per day and the number of days per week people can irrigate their lawns with automatic irrigation systems, communities across North Texas will reduce peak demand, build resiliency against drought, and realize long-term water savings at a fraction of the price required for capital-intensive infrastructure projects.

To assist in these efforts, the *North Texas Outdoor Watering Survey* performs an analysis of 272 water user groups across North Texas — looking specifically at the implementation of outdoor watering restrictions, the projected savings associated with this strategy, and opportunities for North Texas utilities to leverage these savings as they prepare for the future.

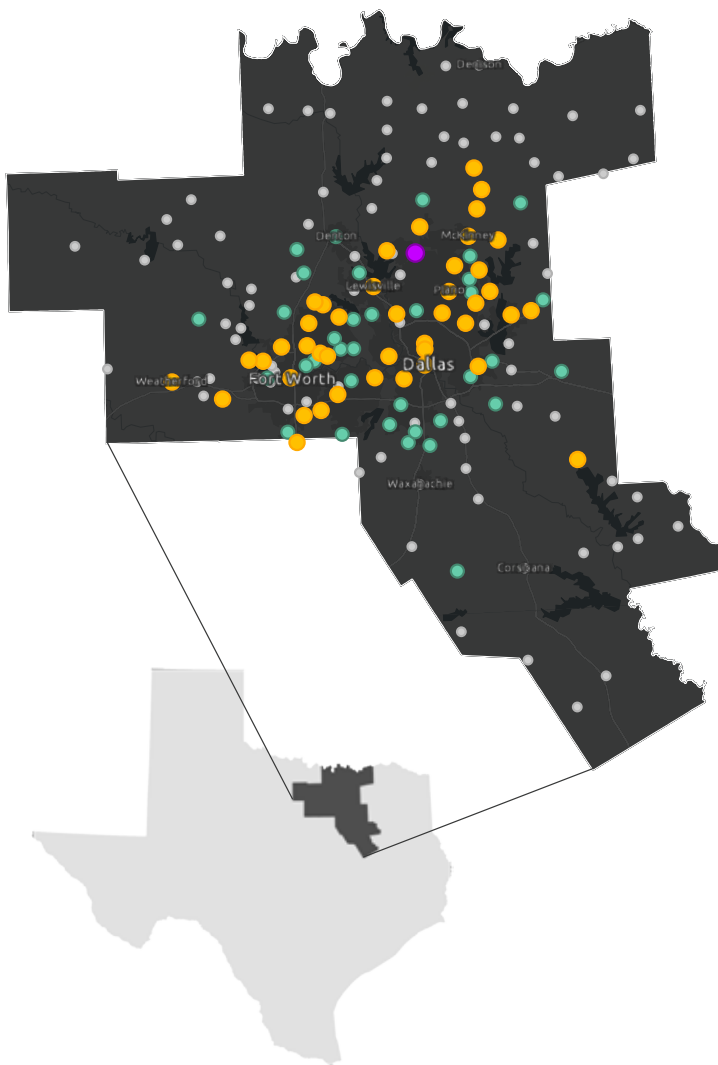


# OUTDOOR WATERING LIMITS IN TEXAS

Like the rest of the Lone Star state, North Texas is no stranger to drought. Less than a decade ago Texas was at the peak of one of the worst short-term droughts ever recorded in the state. The extreme conditions experienced in 2011 forced cities across Texas to implement emergency responses to preserve dwindling water supplies, one of the most important and common of which was outdoor watering restrictions.

Yet what happened when the 2011 drought dissipated a few years later? Were outdoor watering limitations lifted once the risk passed or did communities realize the potential long-term benefits of permanent limitations and incorporate this into their plans for anticipated population growth and potential future droughts?

MAP 1: UTILITIES IN NORTH TEXAS WITH OUTDOOR WATERING LIMITATIONS BY TYPE & SIZE



| Once-per-week outdoor watering                                 |                        |                   |                     |
|--|------------------------|-------------------|---------------------|
| <b>Large Utilities</b> (Serve population of 100,000 or more)   |                        |                   |                     |
| • Frisco   |                        |                   |                     |
| Twice-per-week outdoor watering                                |                        |                   |                     |
| <b>Large Utilities</b> (Serve population of 100,000 or more)   |                        |                   |                     |
| • Allen  | • Fort Worth           | • Irving          | • Mesquite          |
| • Carrollton   | • Garland              | • Lewisville      | • Plano             |
| • Dallas   | • Grand Prairie        | • McKinney        | • Richardson        |
| <b>Medium Utilities</b> (Serve population of 25,000 - 100,000) |                        |                   |                     |
| • Hurst  | • North Richland Hills | • Southlake       | • Wylie             |
| • Keller   | • Rockwall             | • University Park |                     |
| • Little Elm   | • Sachse               | • Weatherford     |                     |
| <b>Small Utilities</b> (Serve population of 25,000 or less)    |                        |                   |                     |
| • Aledo  | • Everman              | • Lake Worth      | • Saginaw           |
| • Anna   | • Fate                 | • Lucas           | • Trophy Club MUD 1 |
| • Burleson   | • Highland Park        | • Melissa         | • Van Alstyne       |
| • Cockrell Hill  | • Kemp                 | • Princeton       | • Watauga           |
| • Dalworthington Gardens                                       | • Kennedale            | • Prosper         | • Westlake          |
|  | • Lakeside             | • Roanoke         |                     |
| Time of day limitations only                                   |                        |                   |                     |
| <b>Large Utilities</b> (Serve population of 100,000 or more)   |                        |                   |                     |
| • Arlington  |                        |                   |                     |
| • Denton   |                        |                   |                     |
| <b>Medium Utilities</b> (Serve population of 25,000 - 100,000) |                        |                   |                     |
| • Balch Springs  | • Coppell              | • Grapevine       | • Mansfield         |
| • Bedford  | • Duncanville          | • Haltom City     |                     |
| • Cedar Hill   | • Euless               | • Lancaster       |                     |
| <b>Small Utilities</b> (Serve population of 25,000 or less)    |                        |                   |                     |
| • Addison  | • Fairview             | • Ovilla          | • Seagoville        |
| • Bloom Grove  | • Glenn Heights        | • Parker          | • Sunnyvale         |
| • Blue Ridge   | • Haslet               | • Ponder          | • Springtown        |
| • Celina   | • Highland Village     | • Red Oak         | • Terrell           |
| • Colleyville  | • Murphy               | • Richland Hills  | • Walnut Creek SUD  |
| • Crowley  | • Northlake            | • Royse City      | • Westworth Village |

Prior to the 2011 drought, limits on outdoor watering were predominantly a temporary measure used by utilities for drought management. In the years since, permanent programs limiting outdoor watering have become more widely recognized and adopted as a long-term conservation strategy by communities in the Dallas-Fort Worth metroplex—not simply to prepare for drought, but as a tool to better manage increasing water demand from population growth.

The city of Frisco, for example, now leads the charge with a no more than once-per-week outdoor watering schedule enforced April through October. Meanwhile, 44 other cities have adopted no more than twice-per-week irrigation schedules (includes time-of-day restrictions). To put this into perspective, nearly 65 percent of the entire North Texas population now adheres to a once- or twice-per-week outdoor watering schedule. In fact, all large utilities in North Texas (those servicing populations of 100,000 people or more) have some form of limitations — at the very least, time of day limits — in place.

**Nearly 65 percent of the entire North Texas population now adheres to a once- or twice-per-week outdoor watering schedule.**

Despite the progress made over the past decade however, North Texas still has work to do. Currently, 70% or 191 utilities in Region C have no form of limitation on outdoor watering in place at all. Furthermore, 13% or 36 utilities have only time of day limitations in place. The fact is, those 191 utilities with no limitations and the 36 utilities with just time of day serve over 2.5 million people, or 35% of the total population of North Texas Region C. This evidently represents a great opportunity for water conservation.

TABLE 1: TYPES OF LIMITATIONS BY NUMBER OF UTILITIES & SHARE OF POPULATION

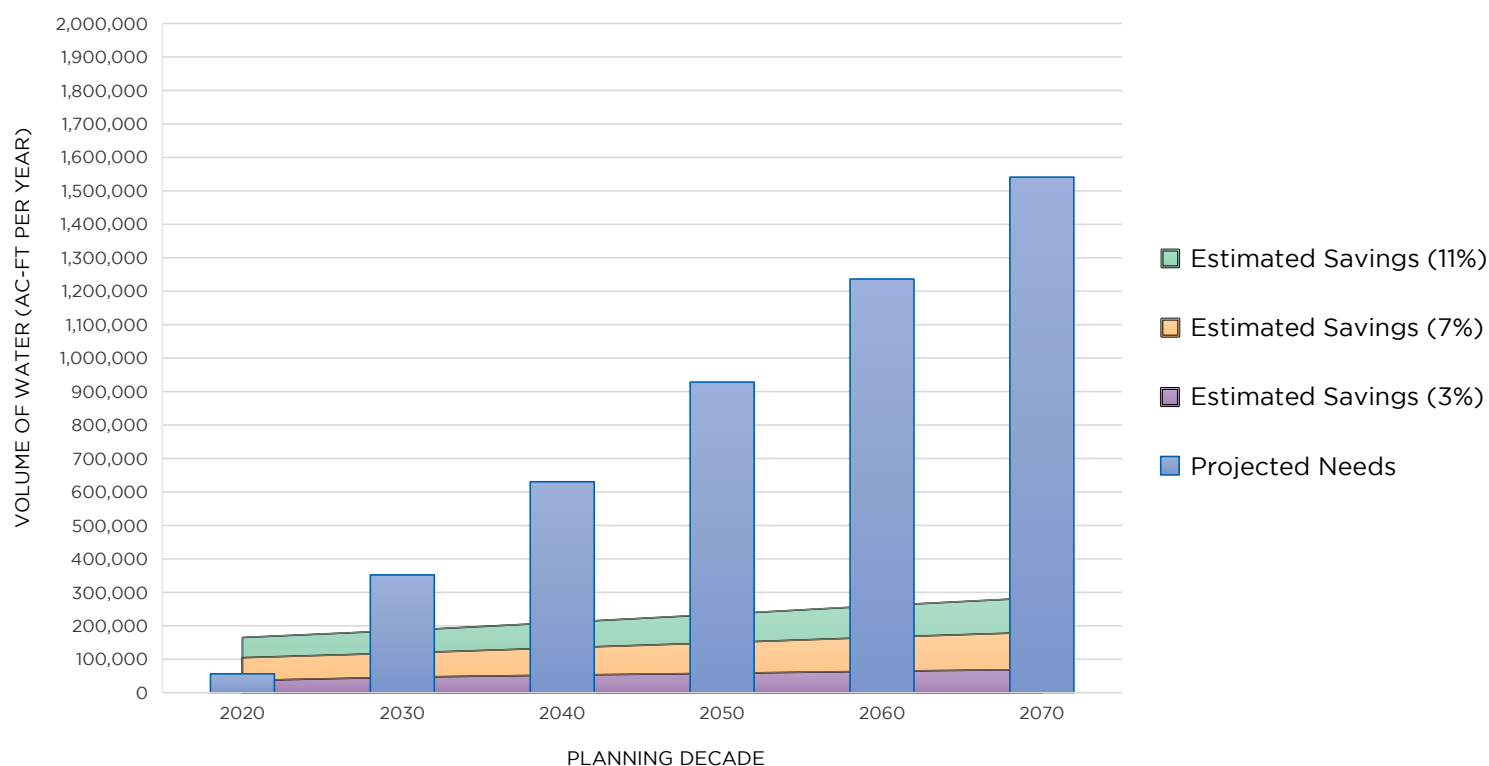
| Type of Limitation | Total Number of Utilities | Percent of Utilities | Total Population | Share of Total Population |
|--------------------|---------------------------|----------------------|------------------|---------------------------|
| None               | 191                       | 70%                  | 106,726          | 18%                       |
| Time of Day only   | 36                        | 13%                  | 1,286,060        | 17%                       |
| 2x per week        | 44                        | 16%                  | 4,625,987        | 62%                       |
| 1x per week        | 1                         | < 1%                 | 188,483          | 3%                        |
| Total              | 272                       | 100%                 | 7,467,734        | 100%                      |

Source: Information on outdoor watering limitations was obtained from utility websites and municipal code of ordinances.

As the table above demonstrates, only one city utility — Frisco — has a year-round no more than once-per-week watering program in place. The 44 cities recognized for having implemented a no more than twice-per-week watering have this schedule in place during periods of peak demand, typically April through October. However, when outside water demand drops during November through March, the majority of these cities transition to a no more than once-per-week watering schedule.

For many of the remaining North Texas communities, implementing outdoor watering limits where they do not already exist will be a critical step to save water in the region. Another way to leverage additional savings will be to strengthen existing limits. For example, those 36 utilities with only time of day restrictions would be well advised to transition to a no more than twice per week schedule. Additionally, many utilities only have seasonal limitations in place and could realize greater savings through year-round implementation.

CHART 1: ESTIMATED MUNICIPAL SAVINGS COMPARED TO PROJECTED NEEDS



Another means by which Region C could more effectively achieve overall savings would be to focus specifically on large- and medium-size utilities (those serving over 100,000 or more and those serving between 25,000 - 100,000, respectively) who can adopt or build upon watering limitations. As it stands, there are currently 11 medium-size utilities with no limitations in place serving a total population of nearly 490 thousand people, and two large utilities with just time-of-day limitations — Denton and Arlington — who serve nearly 532 thousand customers. Implementing or strengthening limits on outdoor watering in just one of these medium or large cities would have an immediate and dramatic impact. For example, the City of Flower Mound, a utility serving over 75,000 customers with no outdoor watering policy in place, could have saved 11% (or 2,095 GPCD) of its projected municipal demand in 2020 by just adopting twice-per-week watering limitations.

Water planners in Region C do recognize the value of making efficiency a priority. The Region C Water Planning Group (RWPG), for example, has identified twice-weekly irrigation as a recommended municipal conservation water management strategy in its 2020 Regional Water Plan. In fact, between the 2020 and 2070 planning horizons the Region C plan estimates savings from outdoor watering limitations will represent a considerable piece (38 percent) of all savings from municipal conservation water management strategies for the entire region (Region C Water Planning Group, 2020). With fewer and fewer water savings coming from indoor conservation measures, the RWPG has made it clear that implementing limits on outdoor watering will play an integral role in municipal conservation programs and in meeting the region's future water needs.

The five largest wholesale water providers in Region C also recognize the importance of outdoor watering limits. North Texas Municipal Water District, Tarrant Regional Water District, Upper Trinity Regional Water District, Dallas Water Utility, and the City of Fort Worth all recommended the adoption of time-of-day and no more than twice-per-week watering limitations to their customer cities in their most recent Water Conservation Plans submitted to the Texas Water Development Board in 2019. These recommendations should serve as further motivations to pursue adoption of an outdoor irrigation ordinance. Retail water utilities are able to use these recommendations to garner broader support from key stakeholders and the public. In other instances, utilities are contractually required to implement the recommendations set forth by their water provider.

It is increasingly evident that placing limits on outdoor watering are becoming the norm in North Texas. So how much water savings can North Texas communities expect to achieve through the implementation of outdoor watering limits?

# SAVINGS FROM OUTDOOR WATERING LIMITATIONS

Ultimately the volume of savings will depend on the unique characteristics of each utility such as service-base composition, customer behavior, the extent to which the schedule is enforced, the amount of resources dedicated to public awareness, and the presence of complementary programs. Despite this variance, according to the Region C Water Plan, a twice-weekly irrigation schedule has the potential to reduce municipal demand by at least three percent. Separate studies have also demonstrated that effective public outreach along with robust enforcement mechanisms can further enhance the effectiveness of outdoor watering limitations.

While the Region C plan estimates that communities can expect to see 3% savings from implementing no more than twice per week watering the 2018 report, *Water Conservation by the Yard: A Statewide Analysis of Outdoor Water Savings Potential* estimated that North Texas cities could see anywhere from 7 to 11 percent reduction in total municipal water demand (Texas Living Waters Project, 2018). The savings range presented in *Water Conservation by the Yard* is based on household outdoor water demand and the level of effort expended in the implementation of the limitations. For example, a community with a customer base characterized by high outdoor demand that implements a rigorous education and enforcement program to support adoption of a watering schedule will see significantly more water savings compared to a community with less rigorous education and enforcement mechanisms. The table below highlights the range of estimated savings based on Region C's 3 percent savings potential compared to *Water Conservation by the Yard's* 7 to 11 percent savings.

| TABLE 2: ESTIMATED MUNICIPAL SAVINGS BASED ON 2021 DRAFT REGION C WATER PLAN |                                   |  |                   |                    |                                  |  |
|--|-----------------------------------|--|-------------------|--------------------|----------------------------------|--|
| Planning Decade  | Municipal Demand (ac-ft per year) | Estimated Municipal Savings (ac-ft per year) |                   |                    | Projected Needs (ac-ft per year) | Estimated Savings as a Percentage of Needs |
|  |                                   | 3 percent (Region C)                         | 7 percent (WCBTY) | 11 percent (WCBTY) |                                  |  |
| 2020   | 1,498,059                         | 36,306                                       | 104,864           | 164,786            | 56,355                           | 64% - >100%                                |
| 2030   | 1,691,127                         | 46,188                                       | 118,379           | 186,024            | 351,982                          | 13% - 53%                                  |
| 2040   | 1,912,520                         | 52,562                                       | 133,876           | 210,377            | 630,492                          | 8% - 33%                                   |
| 2050   | 2,137,840                         | 58,370                                       | 149,649           | 235,162            | 928,346                          | 6% - 25%                                   |
| 2060   | 2,366,973                         | 64,427                                       | 165,688           | 260,367            | 1,236,335                        | 5% - 21%                                   |
| 2070   | 2,585,738                         | 69,572                                       | 181,002           | 284,431            | 1,540,817                        | 5% - 18%                                   |

Although the savings from outdoor watering limitations can vary, the bottom line is that North Texas will see reductions in overall municipal demand, especially during the summer months when outdoor watering is at its highest. Additional supporting data is needed to better understand all of the factors at play here, therefore it is important for utilities to track these savings and share them with their peers so that more robust savings estimates can be developed in the future. **For more information on the savings potential by utility, refer to the Appendix for utility-level data tables.**

# WHY FOCUS ON OUTDOOR WATERING?

Adopting outdoor watering limitations is a low-cost, effective, water-conservation strategy that will allow North Texas to: save money, manage its anticipated growth in population and total water demand, and build resilience against drought.

According to the most recent Texas State Water plan, over the next 50 years it is estimated that over \$60 billion of investment will be required to build the necessary infrastructure to meet future water demand. In almost all instances, water conservation is the most cost-effective tool to meet water needs — and the implementation of outdoor watering schedules especially so. As a straight-forward and minimal-cost strategy, ongoing outdoor watering limitations — supported by enforcement and education — drive reductions in per-capita water use and therefore help avoid the necessity to pay for additional infrastructure to meet future demand.

One of the primary reasons outdoor watering limitations are so effective is that landscape irrigation is estimated to be the single, largest component of municipal water use, and municipal water use is the second largest use of water in Texas (Cabrera et al., 2013). While single-family households typically dedicate a greater share of their total water usage to outdoor purposes, other municipal sectors, such as multi-family residential and institutional, commercial, and industrial (ICI), also have high outdoor watering demands. As such, not only are limitations a simple and cost-effective conservation tool across a variety of sectors of municipal use, they also address one of the most significant sources of water demand in the state.

Given the proportion of municipal water use that is used on outdoor watering (especially in summer months) and that outdoor watering is primarily discretionary (i.e. not used for essential purposes) outdoor watering limitations are a logical and effective tool used by municipalities and water utilities to respond to drought, so much so that they are often the first line of defense for communities. While they do provide immediate relief to stretch existing water supplies and bring savings in times of crises, watering limitations have historically been implemented only as droughts occur and are rarely continued after the threat dissipates. This is a missed opportunity. Ongoing outdoor watering limitations can drive long-term reductions in municipal per capita water usage — not just providing consistent overall savings, but building greater water resiliency for communities facing increasingly frequent and severe drought.

The advantages of adopting ongoing limitations are evident and their implementation straightforward and cost effective. Some may argue that there are negative implications to consider — primarily that landscapes require more water than ongoing limitations would allow. However, multiple studies show there are significant segments of the population that in fact over-water, some by a very large margin (DeOreo, 2011). When this is considered along with the fact that 80-90% of outdoor water use is applied to lawns, plants, and food gardens, it is not only apparent that the advantages of implementing outdoor watering limitations outweigh the perceived disadvantages, but that these perceived downsides are in fact inaccurate (Hermitte and Mace, 2012).

***One of the primary reasons outdoor watering limitations are so effective is that landscape irrigation is estimated to be the single, largest component of municipal water use, and municipal water use is the second largest use of water in Texas.***



## WHAT'S NEXT?

In order to implement effective programs to save water, limits on outdoor watering should be carefully designed — it is important to demonstrate the value of these programs, the opportunities for water savings, and what the community gains. To do so successfully, utilities must earn the support of key decision makers and the general public through education and awareness. Below are several resources to guide a community through the planning and development of a program to limit outdoor water use.

### HELPFUL RESOURCES



#### **Water Conservation by the Yard: A Statewide Analysis of Outdoor Water Savings Potential**

A comprehensive analysis of outdoor watering in Texas and effective strategies for locking in the full savings potential of outdoor watering schedules



#### **TWDB Outdoor Watering Schedule Municipal BMP**

A complete guide on how to implement an outdoor watering schedule



#### **Alliance for Water Efficiency**

A variety of tools to support a comprehensive outdoor watering program



#### **Your peers!**

Check out the Appendix for a list of your peers that have already implemented no more than twice-per-week outdoor watering schedules

## CONCLUSION

Total water use in North Texas Region C is increasing as a result of population growth. With all signs indicating that this growth will continue — and with it the likelihood for greater costs associated with future infrastructure investments to meet those demands — the need for implementing effective water conservation strategies becomes all the more apparent.

Outdoor watering limits are among the most effective tools to reduce water demand on a large scale. Most Texans are familiar with limits on outdoor watering as a decade-old component of drought response. Watering limits are not only familiar by now, they are increasingly common as year-round strategies in place to ensure long-term water demand reduction and a resilient water future for Texas. As limits on outdoor watering become even more widely accepted, it will be important to consider how they can be more effective and where there may be the most potential for water savings. While North Texas has made great strides since the 2011 drought, there is even more progress yet to be realized. The future water supply of North Texas depends on it.

# REFERENCES

**Cabrera, R.I., K.L. Wagner, and B. Wherley.** 2013. *An Evaluation of Urban Landscape Water Use in Texas*. Texas Water Journal, 4, 14-27. Retrieved from <https://journals.tdl.org/twj/index.php/twj/article/view/6992>

**DeOreo, W.B.** 2011. *Analysis of Water Use in New Single-Family Homes*. Report submitted to Salt Lake City Corporation and U.S. EPA. 155 p.

**Hermitte, S.M. and R.E. Mace.** 2012. *The Grass is Always Greener: Outdoor Residential Water Use in Texas*. Texas Water Development Board. Retrieved from [http://www.twdb.texas.gov/publications/reports/technical\\_notes/doc/SeasonalWaterUseReport-final.pdf](http://www.twdb.texas.gov/publications/reports/technical_notes/doc/SeasonalWaterUseReport-final.pdf)

**Region C Water Planning Group.** 2020. *Region C 2021 Draft Regional Water Plan*. Retrieved from <https://www.twdb.texas.gov/waterplanning/rwp/plans/2021/index.asp>

**White, R., R. Havalak, J. Nations, J. Thomas, D. Chalmers, and D. Dewey.** 2004. *How Much Water is Enough? Using PET to Develop Water Budgets for Residential Landscapes*. Texas Water Resources Institute TR-271. Retrieved from <http://oaktrust.library.tamu.edu/handle/1969.1/6100>

# APPENDIX

| Utility Name                              | Popula-<br>tion | ESTIMATED MUNICIPAL SAVINGS / SAVINGS AS A PERCENTAGE OF PROJECTED NEEDS<br>(BASED ON 2021 DRAFT REGION C WATER PLAN) |             |              |                                 |                               |   |             |              |                                 |                               |   |             |              |                                 |                               | Current Outdoor<br>Watering Limitations |                |                |
|---|-----------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|----------------|----------------|
|   |                 | 2020  |             |              |                                 |                               | 2040  |             |              |                                 |                               | 2070  |             |              |                                 |                               |   |                |                |
|   |                 | Estimated Water Savings<br>(ac-ft per year)   |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | 1x<br>per<br>week                       | 2x per<br>week | Time of<br>Day |
|   |                 | 3%<br>Region<br>C   | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               |   |                |                |
| ABLES SPRINGS<br>WSC                      | 4,502           | -   | 21          | 33           | 2                               | >100%                         | -   | 32          | 50           | 128                             | 25% -<br>39%                  | -   | 58          | 91           | 507                             | 11% - 18%                     | -                                       | -              | -              |
| ADDISON                                   | 14,869          | 166   | 430         | 675          | 247                             | 67% -<br>>100%                | 206   | 480         | 754          | 1,183                           | 17% -<br>64%                  | 242   | 565         | 888          | 2,435                           | 10% -<br>36%                  | -                                       | -              | X              |
| ALEDO                                     | 5,579           | -   | 60          | 95           | 0                               | >100%                         | -   | 105         | 166          | 256                             | 41% -<br>65%                  | -   | 142         | 223          | 661                             | 21% -<br>34%                  | -                                       | X              | X              |
| ALLEN                                     | 105,000         | 657   | 1,532       | 2,408        | 119                             | >100%                         | 714   | 1,666       | 2,619        | 5,229                           | 14% -<br>50%                  | 747   | 1,743       | 2,739        | 10,371                          | 7% - 26%                      | -                                       | X              | X              |
| ALVORD                                    | 1,625           | -   | 16          | 25           | 0                               | >100%                         | -   | 23          | 35           | 94                              | 24% -<br>38%                  | -   | 35          | 55           | 276                             | 13% -<br>20%                  | -                                       | -              | -              |
| ANNA                                      | 15,037          | 65  | 167         | 263          | 9                               | >100%                         | 0   | 450         | 707          | 3,607                           | 12% -<br>20%                  | 0   | 984         | 1,546        | 11,231                          | 9% - 14%                      | -                                       | X              | X              |
| ANNETTA                                   | 3,720           | -   | 30          | 47           | 0                               | >100%                         | -   | 40          | 62           | 0                               | >100%                         | -   | 55          | 87           | 0                               | >100%                         | -                                       | -              | -              |
| ARGYLE WSC                                | 13,466          | 0   | 186         | 292          | 0                               | >100%                         | 144   | 303         | 475          | 1,480                           | 10% -<br>32%                  | 143   | 302         | 475          | 2,141                           | 7% - 22%                      | -                                       | -              | -              |
| ARLEDGE RIDGE<br>WSC                      | 1,332           | -   | 11          | 17           | 0                               | >100%                         | -   | 14          | 22           | 15                              | 94% -<br>>100%                | -   | 37          | 58           | 336                             | 11% - 17%                     | -                                       | -              | -              |
| ARLINGTON                                 | 387,000         | 0   | 4,677       | 7,349        | 0                               | >100%                         | 2,055                                       | 4,796       | 7,536        | 18,334                          | 11% - 41%                     | 2,078                                       | 4,849       | 7,620        | 32,210                          | 6% - 24%                      | -                                       | -              | X              |
| ATHENS                                    | 14,241          | 0   | 203         | 320          | 0                               | >100%                         | 105   | 238         | 374          | 0                               | >100%                         | 299   | 664         | 1,043        | 3,963                           | 8% - 26%                      | -                                       | -              | -              |
| AUBREY                                    | 4,597           | -   | 38          | 60           | 0                               | >100%                         | -   | 58          | 91           | 264                             | 22% -<br>34%                  | -   | 99          | 155          | 853                             | 12% - 18%                     | -                                       | -              | -              |
| AVALON WATER<br>SUPPLY & SEWER<br>SERVICE | 1,182           | -   | 10          | 16           | 0                               | >100%                         | -   | 15          | 23           | 62                              | 24% -<br>37%                  | -   | 38          | 59           | 389                             | 10% -<br>15%                  | -                                       | -              | -              |
| AZLE                                      | 12,339          | -   | 135         | 213          | 252                             | 54% -<br>84%                  | -   | 151         | 237          | 471                             | 32% -<br>50%                  | -   | 247         | 388          | 1,847                           | 13% - 21%                     | -                                       | -              | -              |
| B AND B WSC                               | 1,752           | -   | 17          | 27           | 0                               | >100%                         | -   | 18          | 28           | 1                               | >100%                         | -   | 31          | 48           | 125                             | 25% -<br>39%                  | -                                       | -              | -              |
| B B S WSC                                 | 29              | -   | 0           | 0            | 0                               | -                             | -   | 0           | 0            | 0                               | >100%                         | -   | 0           | 0            | 0                               | >100%                         | -                                       | -              | -              |
| B H P WSC                                 | 812             | -   | 4           | 7            | 2                               | >100%                         | -   | 7           | 11           | 125                             | 6% - 9%                       | -   | 10          | 16           | 505                             | 2% - 3%                       | -                                       | -              | -              |
| BALCH SPRINGS                             | 26,418          | -   | 192         | 302          | 110                             | >100%                         | -   | 215         | 337          | 530                             | 40% -<br>64%                  | -   | 267         | 419          | 1,152                           | 23% -<br>36%                  | -                                       | -              | X              |
| BEAR CREEK<br>SUD                         | 5,849           | 21  | 48          | 76           | 3                               | >100%                         | 44  | 103         | 162          | 322                             | 14% -<br>50%                  | 110   | 256         | 402          | 1,519                           | 7% - 26%                      | -                                       | -              | -              |



| Utility Name             | Popula-<br>tion | ESTIMATED MUNICIPAL SAVINGS / SAVINGS AS A PERCENTAGE OF PROJECTED NEEDS<br>(BASED ON 2021 DRAFT REGION C WATER PLAN) |             |              |                                 |                               |   |             |              |                                 |                               |   |             |              |                                 |                               | Current Outdoor<br>Watering Limitations |                   |                |
|--------------------------|-----------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------------|----------------|
|                          |                 | 2020  |             |              |                                 |                               | 2040  |             |              |                                 |                               | 2070  |             |              |                                 |                               |   |                   |                |
|                          |                 | Estimated Water Savings<br>(ac-ft per year)   |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | 1x<br>per<br>week                       | 2x<br>per<br>week | Time<br>of Day |
|                          |                 | 3%<br>Region<br>C   | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               |   |                   |                |
| BECKER JIBA WSC          | 3,547           | -   | 23          | 36           | 2                               | >100%                         | -   | 34          | 53           | 106                             | 32% - 50%                     | -   | 87          | 137          | 516                             | 17% - 26%                     | -                                       | -                 | -              |
| BEDFORD                  | 48,435          | 0   | 644         | 1,012        | 0                               | >100%                         | 306   | 713         | 1,121        | 2,129                           | 14% - 53%                     | 323   | 754         | 1,184        | 4,122                           | 8% - 29%                      | -                                       | -                 | X              |
| BELLS                    | 1,713           | -   | 13          | 20           | 0                               | >100%                         | -   | 16          | 26           | 0                               | >100%                         | -   | 55          | 86           | 501                             | 11% - 17%                     | -                                       | -                 | -              |
| BENBROOK WATER AUTHORITY | 22,323          | 145   | 361         | 568          | 1,585                           | 9% - 36%                      | 191   | 426         | 669          | 2,502                           | 8% - 27%                      | 238   | 528         | 830          | 3,965                           | 6% - 21%                      | -                                       | -                 | -              |
| BETHEL ASH WSC           | 2,115           | -   | 15          | 24           | 0                               | >100%                         | -   | 18          | 28           | 0                               | >100%                         | -   | 23          | 36           | 0                               | >100%                         | -                                       | -                 | -              |
| BETHESDA WSC             | 10,614          | 60  | 156         | 245          | 3                               | >100%                         | 80  | 187         | 295          | 1,133                           | 7% - 26%                      | 102   | 239         | 375          | 3,357                           | 3% - 11%                      | -                                       | -                 | -              |
| BLACK ROCK WSC           | 1,570           | 0   | 21          | 33           | 0                               | >100%                         | 0   | 30          | 48           | 0                               | >100%                         | 20  | 47          | 73           | 200                             | 10% - 37%                     | -                                       | -                 | -              |
| BLACKLAND WSC            | 4,237           | 23  | 60          | 94           | 5                               | >100%                         | 30  | 71          | 111          | 223                             | 13% - 50%                     | 37  | 87          | 137          | 522                             | 7% - 26%                      | -                                       | -                 | -              |
| BLOOMING GROVE           | 973             | 0   | 11          | 18           | 0                               | >100%                         | 0   | 13          | 21           | 1                               | >100%                         | 7   | 17          | 27           | 69                              | 10% - 39%                     | -                                       | -                 | X              |
| BLUE RIDGE               | 2,425           | 11  | 29          | 45           | 13                              | 85% - >100%                   | 198   | 448         | 704          | 6,003                           | 3% - 12%                      | 903   | 2,040       | 3,206        | 28,742                          | 3% - 11%                      | -                                       | -                 | X              |
| BOIS D ARC MUD           | 2,319           | -   | 19          | 30           | 2                               | >100%                         | -   | 25          | 39           | 81                              | 30% - 48%                     | -   | 64          | 100          | 641                             | 10% - 16%                     | -                                       | -                 | -              |
| BOLIVAR WSC              | 11,956          | -   | 75          | 117          | 0                               | >100%                         | -   | 99          | 156          | 153                             | 65% - >100%                   | -   | 158         | 249          | 998                             | 16% - 25%                     | -                                       | -                 | -              |
| BONHAM                   | 12,603          | -   | 142         | 223          | 0                               | >100%                         | -   | 238         | 373          | 210                             | >100%                         | -   | 482         | 757          | 3,699                           | 13% - 20%                     | -                                       | -                 | -              |
| BOYD                     | 1,304           | 0   | 15          | 24           | 14                              | >100%                         | 9   | 22          | 35           | 69                              | 13% - 50%                     | 0   | 42          | 65           | 340                             | 12% - 19%                     | -                                       | -                 | -              |
| BRANDON IRENE WSC        | 263             | -   | 2           | 4            | 0                               | >100%                         | -   | 3           | 5            | 0                               | >100%                         | -   | 4           | 7            | 0                               | >100%                         | -                                       | -                 | -              |
| BRIDGEPORT               | 7,337           | 0   | 89          | 140          | 0                               | >100%                         | 54  | 126         | 197          | 398                             | 14% - 50%                     | 122   | 286         | 449          | 2,383                           | 5% - 19%                      | -                                       | -                 | -              |
| BUENA VISTA-BETHEL SUD   | 4,619           | 0   | 790         | 1,241        | 0                               | >100%                         | 49  | 126         | 198          | 161                             | 30% - >100%                   | 132   | 308         | 483          | 1,836                           | 7% - 26%                      | -                                       | -                 | -              |
| BURLESON                 | 8,434           | 38  | 89          | 140          | 3                               | >100%                         | 43  | 100         | 157          | 2,037                           | 2% - 8%                       | 80  | 188         | 295          | 5,204                           | 2% - 6%                       | -                                       | X                 | X              |
| BUTLER WSC               | 1,450           | -   | 16          | 25           | 0                               | >100%                         | -   | 15          | 24           | 0                               | >100%                         | -   | 15          | 24           | 0                               | >100%                         | -                                       | -                 | -              |

| Utility Name         | Popula-<br>tion | ESTIMATED MUNICIPAL SAVINGS / SAVINGS AS A PERCENTAGE OF PROJECTED NEEDS<br>(BASED ON 2021 DRAFT REGION C WATER PLAN) |             |              |                                 |                               |   |             |              |                                 |                               |   |             |              |                                 |                               | Current Outdoor<br>Watering Limitations |                |                |
|----------------------|-----------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|----------------|----------------|
|                      |                 | 2020  |             |              |                                 |                               | 2040  |             |              |                                 |                               | 2070  |             |              |                                 |                               |   |                |                |
|                      |                 | Estimated Water Savings<br>(ac-ft per year)   |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | 1x<br>per<br>week                       | 2x per<br>week | Time of<br>Day |
|                      |                 | 3%<br>Region<br>C   | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               |   |                |                |
| CADDO BASIN<br>SUD   | 2,315           | -   | 18          | 28           | 7                               | >100%                         | -   | 29          | 46           | 406                             | 7% - 11%                      | -   | 61          | 96           | 1,866                           | 3% - 5%                       | -                                       | -              | -              |
| CALLISBURG<br>WSC    | 1,656           | -   | 11          | 17           | 0                               | >100%                         | -   | 10          | 16           | 0                               | >100%                         | -   | 10          | 16           | 0                               | >100%                         | -                                       | -              | -              |
| CARROLLTON           | 130,481         | 655   | 1,698       | 2,668        | 950                             | 69% -<br>>100%                | 714   | 1,665       | 2,617        | 4,072                           | 18% -<br>64%                  | 706   | 1,646       | 2,587        | 7,061                           | 10% -<br>37%                  | -                                       | X              | X              |
| CASH SUD             | 1,220           | 4   | 10          | 15           | 337                             | 1% - 5%                       | 7   | 15          | 24           | 1,009                           | 1% - 2%                       | 11  | 25          | 40           | 1,346                           | 1% - 3%                       | -                                       | -              | -              |
| CEDAR HILL           | 53,938          | 292   | 756         | 1,188        | 427                             | 68% -<br>>100%                | 456   | 1,065       | 1,673        | 2,589                           | 18% -<br>65%                  | 494   | 1,152       | 1,810        | 4,904                           | 10% -<br>37%                  | -                                       | -              | X              |
| CELINA               | 22,000          | 123   | 320         | 503          | 0                               | >100%                         | 587   | 1,371       | 2,154        | 10,614                          | 6% - 20%                      | 1,233                                       | 2,877       | 4,520        | 32,127                          | 4% - 14%                      | -                                       | -              | X              |
| CHATFIELD WSC        | 3,933           | -   | 30          | 47           | 0                               | >100%                         | -   | 35          | 55           | 2                               | >100%                         | -   | 45          | 70           | 182                             | 25% -<br>39%                  | -                                       | -              | -              |
| CHICO                | 1,412           | 0   | 19          | 31           | 0                               | >100%                         | 9   | 21          | 33           | 23                              | 39% -<br>>100%                | 26  | 61          | 96           | 570                             | 5% - 17%                      | -                                       | -              | -              |
| COCKRELL HILL        | 4,787           | -   | 29          | 46           | 17                              | >100%                         | -   | 29          | 46           | 72                              | 40% -<br>63%                  | -   | 80          | 125          | 343                             | 23% -<br>37%                  | -                                       | X              | X              |
| COLLEGE<br>MOUND WSC | 11,510          | -   | 54          | 85           | 4                               | >100%                         | -   | 81          | 127          | 264                             | 31% -<br>48%                  | -   | 189         | 297          | 1,395                           | 14% - 21%                     | -                                       | -              | -              |
| COLLEYVILLE          | 23,719          | 0   | 645         | 1,013        | 0                               | >100%                         | 309   | 722         | 1,134        | 2,254                           | 14% -<br>50%                  | 319   | 745         | 1,171        | 4,252                           | 8% - 28%                      | -                                       | -              | X              |
| COLLINSVILLE         | 2,567           | -   | 20          | 31           | 0                               | >100%                         | -   | 28          | 43           | 153                             | 18% -<br>28%                  | -   | 46          | 72           | 411                             | 11% - 17%                     | -                                       | -              | -              |
| COMBINE WSC          | 3,714           | -   | 25          | 39           | 25                              | 99% -<br>>100%                | -   | 33          | 52           | 137                             | 24% -<br>38%                  | -   | 55          | 86           | 336                             | 16% -<br>26%                  | -                                       | -              | -              |
| COMMUNITY<br>WSC     | 3,419           | -   | 24          | 37           | 0                               | >100%                         | -   | 27          | 42           | 84                              | 32% -<br>50%                  | -   | 34          | 54           | 196                             | 18% -<br>28%                  | -                                       | -              | -              |
| COPEVILLE SUD        | 3,959           | -   | 23          | 36           | 1                               | >100%                         | -   | 33          | 51           | 102                             | 32% -<br>50%                  | -   | 134         | 211          | 798                             | 17% -<br>26%                  | -                                       | -              | -              |
| COPPELL              | 41,982          | 300   | 779         | 1,224        | 447                             | 67% -<br>>100%                | 334   | 780         | 1,226        | 1,919                           | 17% -<br>64%                  | 332   | 775         | 1,218        | 3,335                           | 10% -<br>37%                  | -                                       | -              | X              |
| CORBET WSC           | 2,785           | -   | 18          | 28           | 0                               | >100%                         | -   | 20          | 31           | 1                               | >100%                         | -   | 25          | 40           | 103                             | 25% -<br>39%                  | -                                       | -              | -              |
| CORINTH              | 24,928          | 0   | 299         | 470          | 0                               | >100%                         | 161   | 347         | 545          | 2,123                           | 8% - 26%                      | 160   | 345         | 543          | 3,051                           | 5% - 18%                      | -                                       | -              | -              |
| CORSICANA            | 26,739          | 0   | 427         | 671          | 0                               | >100%                         | 0   | 497         | 781          | 58                              | >100%                         | 278   | 648         | 1,018        | 5,346                           | 5% - 19%                      | -                                       | -              | -              |

| Utility Name                 | Popula-<br>tion | ESTIMATED MUNICIPAL SAVINGS / SAVINGS AS A PERCENTAGE OF PROJECTED NEEDS<br>(BASED ON 2021 DRAFT REGION C WATER PLAN) |             |              |                                 |                               |   |             |              |                                 |                               |   |             |              |                                 |                               | Current Outdoor<br>Watering Limitations |                   |                |
|------------------------------|-----------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------------|----------------|
|                              |                 | 2020  |             |              |                                 |                               | 2040  |             |              |                                 |                               | 2070  |             |              |                                 |                               |   |                   |                |
|                              |                 | Estimated Water Savings<br>(ac-ft per year)   |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | 1x<br>per<br>week                       | 2x<br>per<br>week | Time<br>of Day |
|                              |                 | 3%<br>Region<br>C   | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               |   |                   |                |
| CRANDALL                     | 4,209           | 21  | 53          | 84           | 158                             | 13% -<br>53%                  | 33  | 77          | 121          | 499                             | 7% - 24%                      | 41  | 97          | 152          | 776                             | 5% - 20%                      | -                                       | -                 | -              |
| CRESCENT<br>HEIGHTS WSC      | 1,885           | -   | 11          | 18           | 0                               | >100%                         | -   | 12          | 19           | 0                               | >100%                         | -   | 21          | 33           | 0                               | >100%                         | -                                       | -                 | -              |
| CROSS TIMBERS<br>WSC         | 7,500           | 0   | 115         | 181          | 0                               | >100%                         | 62  | 145         | 228          | 680                             | 9% - 34%                      | 65  | 152         | 238          | 1,099                           | 6% - 22%                      | -                                       | -                 | -              |
| CROWLEY                      | 16,250          | 72  | 169         | 265          | 6                               | >100%                         | 97  | 227         | 357          | 851                             | 11% - 42%                     | 169   | 395         | 621          | 3,271                           | 5% - 19%                      | -                                       | -                 | X              |
| CULLEOKA WSC                 | 5,500           | -   | 42          | 66           | 4                               | >100%                         | -   | 63          | 99           | 197                             | 32% -<br>50%                  | -   | 108         | 170          | 643                             | 17% -<br>26%                  | -                                       | -                 | -              |
| DALLAS                       | 1,242,136       | 8,259   | 19,271      | 30,283       | 20,466                          | 40% -<br>>100%                | 9,807                                       | 22,884      | 35,960       | 107,474                         | 9% - 33%                      | 12,084                                      | 28,197      | 44,309       | 281,878                         | 4% - 16%                      | -                                       | X                 | X              |
| DALWORTHINGTON<br>GARDENS    | 2,298           | 0   | 64          | 100          | 1                               | >100%                         | 28  | 65          | 102          | 204                             | 14% -<br>50%                  | 29  | 69          | 108          | 391                             | 7% - 28%                      | -                                       | X                 | X              |
| DAWSON                       | 893             | -   | 10          | 16           | 0                               | >100%                         | -   | 11          | 17           | 1                               | >100%                         | -   | 12          | 19           | 49                              | 25% -<br>39%                  | -                                       | -                 | -              |
| DECATUR                      | 8,509           | 63  | 162         | 255          | 514                             | 12% -<br>50%                  | 122   | 284         | 447          | 2,250                           | 5% - 20%                      | 215   | 501         | 787          | 5,336                           | 4% - 15%                      | -                                       | -                 | -              |
| DELTA COUNTY<br>MUD          | 45              | -   | 0           | 0            | 0                               | >100%                         | -   | 0           | 0            | 0                               | >100%                         | -   | 0           | 0            | 0                               | >100%                         | -                                       | -                 | -              |
| DENISON                      | 27,340          | 199   | 506         | 795          | 882                             | 23% -<br>90%                  | 242   | 551         | 866          | 1,809                           | 13% -<br>48%                  | 413   | 931         | 1,463        | 8,468                           | 5% - 17%                      | -                                       | -                 | -              |
| DENTON                       | 145,000         | 707   | 1,832       | 2,879        | 0                               | >100%                         | 1,227                                       | 2,862       | 4,497        | 14,293                          | 9% - 31%                      | 2,974                                       | 6,940       | 10,906       | 72,551                          | 4% - 15%                      | -                                       | -                 | X              |
| DENTON<br>COUNTY FWSD<br>10  | 7,884           | 0   | 104         | 163          | 0                               | >100%                         | 121   | 258         | 406          | 1,579                           | 8% - 26%                      | 121   | 258         | 405          | 2,279                           | 5% - 18%                      | -                                       | -                 | -              |
| DENTON<br>COUNTY FWSD<br>1-A | 14,000          | 110   | 256         | 402          | 49                              | >100%                         | 233   | 544         | 855          | 2,818                           | 8% - 30%                      | 233   | 544         | 855          | 4,185                           | 6% - 20%                      | -                                       | -                 | -              |
| DENTON<br>COUNTY FWSD 7      | 13,500          | 0   | 239         | 376          | 0                               | >100%                         | 112   | 238         | 374          | 1,457                           | 8% - 26%                      | 112   | 238         | 374          | 2,101                           | 5% - 18%                      | -                                       | -                 | -              |
| DESERT WSC                   | 1,700           | -   | 15          | 24           | 0                               | >100%                         | -   | 18          | 28           | 0                               | >100%                         | -   | 36          | 57           | 122                             | 29% -<br>46%                  | -                                       | -                 | -              |
| DESOTO                       | 54,505          | 254   | 660         | 1,036        | 379                             | 67% -<br>>100%                | 321   | 749         | 1,177        | 1,843                           | 17% -<br>64%                  | 386   | 900         | 1,414        | 3,873                           | 10% -<br>37%                  | -                                       | -                 | -              |
| DOGWOOD<br>ESTATES WATER     | 1,205           | -   | 13          | 20           | 0                               | >100%                         | -   | 14          | 22           | 7                               | >100%                         | -   | 24          | 38           | 151                             | 16% -<br>25%                  | -                                       | -                 | -              |

| Utility Name             | Popula-<br>tion | ESTIMATED MUNICIPAL SAVINGS / SAVINGS AS A PERCENTAGE OF PROJECTED NEEDS<br>(BASED ON 2021 DRAFT REGION C WATER PLAN) |             |              |                                 |                               |   |             |              |                                 |                               |   |             |              |                                 |                               | Current Outdoor<br>Watering Limitations |                |                |
|--------------------------|-----------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|----------------|----------------|
|                          |                 | 2020  |             |              |                                 |                               | 2040  |             |              |                                 |                               | 2070  |             |              |                                 |                               |   |                |                |
|                          |                 | Estimated Water Savings<br>(ac-ft per year)   |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | 1x<br>per<br>week                       | 2x per<br>week | Time<br>of Day |
|                          |                 | 3%<br>Region<br>C   | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               |   |                |                |
| DORCHESTER               | 1,622           | -   | 9           | 14           | 0                               | >100%                         | -   | 9           | 15           | 0                               | >100%                         | -   | 11          | 18           | 0                               | >100%                         | -                                       | -              | -              |
| DUNCANVILLE              | 43,110          | -   | 426         | 670          | 245                             | >100%                         | -   | 443         | 695          | 1,095                           | 40% -<br>64%                  | -   | 436         | 685          | 1,878                           | 23% -<br>36%                  | -                                       | -              | X              |
| EAST CEDAR<br>CREEK FWSD | 20,100          | -   | 95          | 149          | 196                             | 48% -<br>76%                  | -   | 117         | 184          | 514                             | 23% -<br>36%                  | -   | 160         | 252          | 1,133                           | 14% -<br>22%                  | -                                       | -              | -              |
| EAST FORK SUD            | 15,700          | 57  | 134         | 210          | 10                              | >100%                         | 67  | 156         | 245          | 488                             | 14% -<br>50%                  | 85  | 198         | 311          | 1,172                           | 7% - 26%                      | -                                       | -              | -              |
| EAST GARRETT<br>WSC      | 1,490           | 0   | 17          | 27           | 0                               | >100%                         | 11  | 26          | 41           | 21                              | 52% -<br>>100%                | 42  | 99          | 155          | 1,001                           | 4% - 16%                      | -                                       | -              | -              |
| EDGECLIFF                | 2,924           | 0   | 35          | 55           | 0                               | >100%                         | 14  | 34          | 53           | 105                             | 13% -<br>50%                  | 14  | 33          | 52           | 189                             | 7% - 28%                      | -                                       | -              | -              |
| ELMO WSC                 | 2,566           | -   | 15          | 24           | 1                               | >100%                         | -   | 22          | 35           | 70                              | 32% -<br>50%                  | -   | 55          | 86           | 325                             | 17% -<br>26%                  | -                                       | -              | -              |
| ENNIS                    | 21,354          | 0   | 282         | 443          | 0                               | >100%                         | 157   | 366         | 576          | 341                             | 46% -<br>>100%                | 593   | 1,383       | 2,174        | 16,395                          | 4% - 13%                      | -                                       | -              | -              |
| EULESS                   | 54,725          | 0   | 634         | 997          | 0                               | >100%                         | 273   | 638         | 1,003        | 1,451                           | 19% -<br>69%                  | 0   | 630         | 990          | 2,603                           | 24% -<br>38%                  | -                                       | -              | X              |
| EUSTACE                  | 1,170           | -   | 9           | 14           | 0                               | >100%                         | -   | 10          | 15           | 0                               | >100%                         | -   | 22          | 35           | 156                             | 14% -<br>22%                  | -                                       | -              | -              |
| EVERMAN                  | 6,153           | 16  | 37          | 58           | 0                               | >100%                         | 15  | 36          | 56           | 0                               | >100%                         | 15  | 35          | 55           | 0                               | >100%                         | -                                       | X              | X              |
| FAIRFIELD                | 4,593           | 0   | 67          | 105          | 0                               | >100%                         | 0   | 69          | 109          | 0                               | >100%                         | 84  | 195         | 306          | 1,686                           | 5% - 18%                      | -                                       | -              | -              |
| FAIRVIEW                 | 12,592          | 121   | 315         | 495          | 24                              | >100%                         | 206   | 481         | 756          | 1,504                           | 14% -<br>50%                  | 217   | 506         | 794          | 2,999                           | 7% - 26%                      | -                                       | -              | X              |
| FARMERS<br>BRANCH        | 30,582          | 248   | 632         | 993          | 363                             | 68% -<br>>100%                | 304   | 693         | 1,089        | 1,706                           | 18% -<br>64%                  | 359   | 812         | 1,277        | 3,497                           | 10% -<br>37%                  | -                                       | -              | -              |
| FARMERSVILLE             | 8,660           | -   | 73          | 114          | 5                               | >100%                         | -   | 397         | 623          | 1,240                           | 32% -<br>50%                  | -   | 1,242       | 1,952        | 7,367                           | 17% -<br>26%                  | -                                       | -              | -              |
| FATE                     | 15,994          | 76  | 197         | 310          | 15                              | >100%                         | 146   | 341         | 536          | 1,066                           | 14% -<br>50%                  | 260   | 606         | 953          | 3,597                           | 7% - 26%                      | -                                       | X              | X              |
| FERRIS                   | 2,950           | -   | 32          | 51           | 0                               | >100%                         | -   | 75          | 118          | 176                             | 43% -<br>67%                  | -   | 105         | 165          | 965                             | 11% - 17%                     | -                                       | -              | -              |
| FILES VALLEY<br>WSC      | 755             | -   | 8           | 13           | 0                               | >100%                         | -   | 12          | 19           | 0                               | >100%                         | -   | 23          | 37           | 0                               | >100%                         | -                                       | -              | -              |
| FLO COMMUNITY<br>WSC     | 454             | -   | 4           | 6            | 0                               | >100%                         | -   | 4           | 7            | 0                               | >100%                         | -   | 5           | 7            | 0                               | >100%                         | -                                       | -              | -              |



| Utility Name           | Popula-<br>tion | ESTIMATED MUNICIPAL SAVINGS / SAVINGS AS A PERCENTAGE OF PROJECTED NEEDS<br>(BASED ON 2021 DRAFT REGION C WATER PLAN) |             |              |                                 |                               |   |             |              |                                 |                               |   |             |              |                                 |                               | Current Outdoor<br>Watering Limitations |                |                |
|------------------------|-----------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|----------------|----------------|
|                        |                 | 2020  |             |              |                                 |                               | 2040  |             |              |                                 |                               | 2070  |             |              |                                 |                               |   |                |                |
|                        |                 | Estimated Water Savings<br>(ac-ft per year)   |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | 1x<br>per<br>week                       | 2x per<br>week | Time<br>of Day |
|                        |                 | 3%<br>Region<br>C   | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               |   |                |                |
| FLOWER MOUND           | 75,555          | 514   | 1,333       | 2,095        | 791                             | 65% -<br>>100%                | 641   | 1,495       | 2,349        | 7,898                           | 8% - 30%                      | 688   | 1,605       | 2,521        | 12,446                          | 6% - 20%                      | -                                       | -              | -              |
| FOREST HILL            | 12,975          | -   | 95          | 149          | 2                               | >100%                         | -   | 101         | 159          | 316                             | 32% -<br>50%                  | -   | 197         | 309          | 1,246                           | 16% -<br>25%                  | -                                       | -              | -              |
| FORNEY                 | 21,341          | -   | 216         | 340          | 150                             | >100%                         | -   | 316         | 496          | 2,656                           | 12% - 19%                     | -   | 778         | 1,223        | 12,024                          | 6% - 10%                      | -                                       | -              | -              |
| FORNEY LAKE<br>WSC     | 7,775           | 36  | 88          | 139          | 7                               | >100%                         | 60  | 130         | 204          | 406                             | 15% -<br>50%                  | 175   | 379         | 596          | 2,248                           | 8% - 26%                      | -                                       | -              | -              |
| FORT WORTH             | 960,824         | 5,673   | 13,238      | 20,802       | 6,640                           | 85% -<br>>100%                | 8,588                                       | 20,039      | 31,490       | 125,332                         | 7% - 25%                      | 11,145                                      | 26,005      | 40,865       | 250,890                         | 4% - 16%                      | -                                       | X              | X              |
| FRISCO                 | 188,343         | 1,372   | 3,201       | 5,030        | 424                             | >100%                         | 1,859                                       | 4,338       | 6,816        | 13,813                          | 13% -<br>49%                  | 2,699                                       | 6,297       | 9,895        | 37,475                          | 7% - 26%                      | X                                       | -              | X              |
| FROGNOT WSC            | 1,630           | -   | 12          | 19           | 0                               | >100%                         | -   | 16          | 26           | 0                               | >100%                         | -   | 26          | 40           | 0                               | >100%                         | -                                       | -              | -              |
| GAINESVILLE            | 18,477          | -   | 186         | 292          | 0                               | >100%                         | -   | 198         | 312          | 0                               | >100%                         | -   | 348         | 547          | 5,621                           | 6% - 10%                      | -                                       | -              | -              |
| GARLAND                | 254,701         | 1,233   | 2,877       | 4,522        | 238                             | >100%                         | 1,360                                       | 3,174       | 4,988        | 10,617                          | 13% -<br>47%                  | 1,369                                       | 3,195       | 5,021        | 20,255                          | 7% - 25%                      | -                                       | X              | X              |
| GASTONIA<br>SCURRY SUD | 10,568          | -   | 50          | 78           | 4                               | >100%                         | -   | 74          | 116          | 232                             | 32% -<br>50%                  | -   | 247         | 389          | 1,467                           | 17% -<br>26%                  | -                                       | -              | -              |
| GLENN HEIGHTS          | 17,696          | -   | 136         | 213          | 73                              | >100%                         | -   | 221         | 348          | 526                             | 42% -<br>66%                  | -   | 443         | 696          | 1,872                           | 24% -<br>37%                  | -                                       | -              | X              |
| GRAND PRAIRIE          | 218,127         | 1,056   | 2,463       | 3,870        | 1,680                           | 63% -<br>>100%                | 1,325                                       | 3,091       | 4,857        | 12,075                          | 11% -<br>40%                  | 1,315                                       | 3,069       | 4,822        | 17,754                          | 7% - 27%                      | -                                       | X              | X              |
| GRAPEVINE              | 52,243          | 552   | 1,288       | 2,025        | 1,063                           | 52% -<br>>100%                | 560   | 1,307       | 2,053        | 3,779                           | 15% -<br>54%                  | 557   | 1,300       | 2,043        | 5,453                           | 10% -<br>37%                  | -                                       | -              | X              |
| GUNTER                 | 1,841           | 8   | 21          | 33           | 124                             | 6% - 26%                      | 0   | 37          | 58           | 354                             | 10% -<br>16%                  | 0   | 66          | 103          | 763                             | 9% - 13%                      | -                                       | -              | -              |
| HACKBERRY              | 1,870           | 13  | 32          | 50           | 3                               | >100%                         | 24  | 51          | 80           | 159                             | 15% - 51%                     | 44  | 93          | 147          | 553                             | 8% - 26%                      | -                                       | -              | -              |
| HALTOM CITY            | 43,611          | 157   | 367         | 576          | 0                               | >100%                         | 158   | 368         | 579          | 1,149                           | 14% -<br>50%                  | 197   | 461         | 724          | 2,628                           | 7% - 28%                      | -                                       | -              | X              |
| HASLET                 | 1,750           | 0   | 40          | 63           | 0                               | >100%                         | 84  | 176         | 276          | 581                             | 14% -<br>48%                  | 150   | 311         | 489          | 1,711                           | 9% - 29%                      | -                                       | -              | X              |
| HEATH                  | 12,109          | 116   | 276         | 434          | 21                              | >100%                         | 230   | 489         | 769          | 1,531                           | 15% -<br>50%                  | 254   | 540         | 849          | 3,205                           | 8% - 26%                      | -                                       | -              | -              |
| HICKORY CREEK<br>SUD   | 401             | -   | 3           | 4            | 17                              | 16% -<br>26%                  | -   | 4           | 6            | 40                              | 9% - 15%                      | -   | 7           | 11           | 90                              | 8% - 12%                      | -                                       | -              | -              |

| Utility Name                          | Popula-<br>tion | ESTIMATED MUNICIPAL SAVINGS / SAVINGS AS A PERCENTAGE OF PROJECTED NEEDS<br>(BASED ON 2021 DRAFT REGION C WATER PLAN) |             |              |                                 |                               |   |             |              |                                 |                               |   |             |              |                                 |                               | Current Outdoor<br>Watering Limitations |                |                |
|---------------------------------------|-----------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|----------------|----------------|
|                                       |                 | 2020  |             |              |                                 |                               | 2040  |             |              |                                 |                               | 2070  |             |              |                                 |                               |   |                |                |
|                                       |                 | Estimated Water Savings<br>(ac-ft per year)   |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | 1x<br>per<br>week                       | 2x per<br>week | Time of<br>Day |
|                                       |                 | 3%<br>Region<br>C   | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               |   |                |                |
| HIGH POINT WSC                        | 4,879           | -   | 31          | 49           | 2                               | >100%                         | -   | 43          | 68           | 134                             | 32% -<br>50%                  | -   | 103         | 161          | 610                             | 17% -<br>26%                  | -                                       | -              | -              |
| HIGHLAND PARK                         | 9,023           | 122   | 284         | 446          | 0                               | >100%                         | 123   | 287         | 452          | 0                               | >100%                         | 123   | 286         | 450          | 0                               | >100%                         | -                                       | X              | X              |
| HIGHLAND VILLAGE                      | 17,119          | 0   | 268         | 422          | 0                               | >100%                         | 118   | 275         | 432          | 937                             | 13% -<br>46%                  | 117   | 273         | 429          | 1,322                           | 9% - 32%                      | -                                       | -              | X              |
| HILCO UNITED SERVICES                 | 149             | -   | 1           | 2            | 0                               | >100%                         | -   | 2           | 2            | 0                               | >100%                         | -   | 2           | 3            | 0                               | >100%                         | -                                       | -              | -              |
| HONEY GROVE                           | 1,817           | -   | 20          | 32           | 0                               | >100%                         | -   | 19          | 30           | 0                               | >100%                         | -   | 19          | 30           | 0                               | >100%                         | -                                       | -              | -              |
| HORSESHOE BEND WATER SYSTEM           | 1,655           | -   | 11          | 17           | 0                               | >100%                         | -   | 15          | 23           | 0                               | >100%                         | -   | 32          | 50           | 0                               | >100%                         | -                                       | -              | -              |
| HOWE                                  | 2,868           | -   | 19          | 30           | 0                               | >100%                         | -   | 24          | 37           | 19                              | >100%                         | -   | 32          | 51           | 88                              | 37% -<br>58%                  | -                                       | -              | -              |
| HUDSON OAKS                           | 4,000           | 37  | 96          | 151          | 325                             | 11% - 47%                     | 58  | 135         | 211          | 728                             | 8% - 29%                      | 58  | 134         | 211          | 910                             | 6% - 23%                      | -                                       | -              | -              |
| HURST                                 | 39,229          | 201   | 469         | 737          | 0                               | >100%                         | 197   | 459         | 721          | 1,349                           | 15% -<br>53%                  | 194   | 452         | 711          | 2,429                           | 8% - 29%                      | -                                       | X              | X              |
| HUTCHINS                              | 9,901           | 61  | 153         | 240          | 88                              | 69% -<br>>100%                | 121   | 272         | 428          | 669                             | 18% -<br>64%                  | 200   | 454         | 713          | 1,952                           | 10% -<br>37%                  | -                                       | -              | -              |
| IRVING                                | 259,186         | 1,717   | 3,906       | 6,138        | 1,245                           | >100%                         | 1,954                                       | 4,411       | 6,932        | 21,278                          | 9% - 33%                      | 1,939                                       | 4,377       | 6,878        | 22,115                          | 9% - 31%                      | -                                       | X              | X              |
| ITALY                                 | 2,365           | -   | 22          | 34           | 0                               | >100%                         | -   | 32          | 51           | 255                             | 13% -<br>20%                  | -   | 70          | 110          | 788                             | 9% - 14%                      | -                                       | -              | -              |
| JACKSBORO                             | 4,873           | -   | 48          | 75           | 337                             | 14% -<br>22%                  | -   | 50          | 79           | 355                             | 14% -<br>22%                  | -   | 52          | 82           | 374                             | 14% -<br>22%                  | -                                       | -              | -              |
| JOHNSON COUNTY SUD                    | 2,649           | -   | 24          | 38           | 0                               | >100%                         | -   | 28          | 44           | 0                               | >100%                         | -   | 36          | 56           | 1,716                           | 2% - 3%                       | -                                       | -              | -              |
| JOSEPHINE                             | 1,434           | 8   | 21          | 34           | 2                               | >100%                         | 20  | 47          | 74           | 172                             | 12% -<br>43%                  | 27  | 64          | 100          | 446                             | 6% - 22%                      | -                                       | -              | -              |
| JUSTIN                                | 4,766           | -   | 50          | 78           | 244                             | 20% -<br>32%                  | -   | 124         | 195          | 741                             | 17% -<br>26%                  | -   | 124         | 195          | 963                             | 13% -<br>20%                  | -                                       | -              | -              |
| KAUFMAN                               | 7,754           | 35  | 90          | 141          | 10                              | >100%                         | 0   | 129         | 203          | 566                             | 23% -<br>36%                  | 0   | 322         | 506          | 3,241                           | 10% -<br>16%                  | -                                       | -              | -              |
| KAUFMAN COUNTY DEVELOPMENT DISTRICT 1 | 3,687           | 24  | 62          | 97           | 5                               | >100%                         | 41  | 95          | 150          | 298                             | 14% -<br>50%                  | 101   | 235         | 370          | 1,396                           | 7% - 26%                      | -                                       | -              | -              |

| Utility Name                                     | Popula-<br>tion | ESTIMATED MUNICIPAL SAVINGS / SAVINGS AS A PERCENTAGE OF PROJECTED NEEDS<br>(BASED ON 2021 DRAFT REGION C WATER PLAN) |             |              |                                 |                               |   |             |              |                                 |                               |   |             |              |                                 |                               | Current Outdoor<br>Watering Limitations |                |                |
|--|-----------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|----------------|----------------|
|  |                 | 2020  |             |              |                                 |                               | 2040  |             |              |                                 |                               | 2070  |             |              |                                 |                               |   |                |                |
|  |                 | Estimated Water Savings<br>(ac-ft per year)   |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | 1x<br>per<br>week                       | 2x per<br>week | Time of<br>Day |
|  |                 | 3%<br>Region<br>C   | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               |   |                |                |
| KAUFMAN<br>COUNTY MUD 11                         | 3,702           | 16  | 43          | 67           | 4                               | >100%                         | 26  | 62          | 97           | 194                             | 13% -<br>50%                  | 48  | 113         | 178          | 671                             | 7% - 26%                      | -                                       | -              | -              |
| KELLER   | 48,279          | 370   | 864         | 1,357        | 0                               | >100%                         | 392   | 915         | 1,438        | 2,856                           | 14% -<br>50%                  | 390   | 911         | 1,431        | 5,195                           | 8% - 28%                      | -                                       | X              | X              |
| KEMP   | 1,699           | 8   | 21          | 33           | 189                             | 4% - 18%                      | 13  | 30          | 48           | 321                             | 4% - 15%                      | 35  | 82          | 129          | 1,058                           | 3% - 12%                      | -                                       | X              | X              |
| KENNEDALE  | 8,044           | 0   | 99          | 156          | 0                               | >100%                         | 56  | 130         | 204          | 445                             | 13% -<br>46%                  | 82  | 190         | 299          | 964                             | 9% - 31%                      | -                                       | X              | X              |
| KENTUCKYTOWN<br>WSC                              | 2,856           | -   | 25          | 39           | 0                               | >100%                         | -   | 33          | 52           | 104                             | 32% -<br>50%                  | -   | 60          | 94           | 487                             | 12% - 19%                     | -                                       | -              | -              |
| KERENS   | 1,824           | -   | 15          | 24           | 0                               | >100%                         | -   | 17          | 27           | 1                               | >100%                         | -   | 22          | 35           | 89                              | 25% -<br>39%                  | -                                       | -              | -              |
| KRUM   | 5,110           | 31  | 79          | 125          | 202                             | 15% -<br>62%                  | 51  | 119         | 187          | 611                             | 8% - 31%                      | 88  | 206         | 324          | 1,647                           | 5% - 20%                      | -                                       | -              | -              |
| LADONIA  | 1,600           | -   | 17          | 27           | 0                               | >100%                         | -   | 23          | 37           | 84                              | 28% -<br>43%                  | -   | 32          | 50           | 203                             | 16% -<br>24%                  | -                                       | -              | -              |
| LAKE CITIES<br>MUNICIPAL<br>UTILITY<br>AUTHORITY | 15,312          | -   | 151         | 237          | 0                               | >100%                         | -   | 193         | 303          | 1,181                           | 16% -<br>26%                  | -   | 207         | 325          | 1,827                           | 11% - 18%                     | -                                       | -              | -              |
| LAKE KIOWA<br>SUD                                | 2,200           | -   | 62          | 98           | 0                               | >100%                         | -   | 66          | 103          | 0                               | >100%                         | -   | 68          | 107          | 0                               | >100%                         | -                                       | -              | -              |
| LAKE WORTH                                       | 5,157           | 0   | 79          | 124          | 0                               | >100%                         | 41  | 95          | 149          | 259                             | 16% -<br>58%                  | 75  | 174         | 273          | 925                             | 8% - 30%                      | -                                       | X              | X              |
| LAKESIDE   | 1,350           | 10  | 26          | 41           | 79                              | 13% -<br>52%                  | 12  | 27          | 43           | 97                              | 12% -<br>44%                  | 12  | 28          | 44           | 107                             | 11% - 41%                     | -                                       | X              | X              |
| LANCASTER  | 45,097          | 207   | 537         | 844          | 308                             | 67% -<br>>100%                | 342   | 798         | 1,255        | 2,079                           | 16% -<br>60%                  | 456   | 1,063       | 1,670        | 5,472                           | 8% - 31%                      | -                                       | -              | X              |
| LEONARD  | 2,200           | -   | 23          | 36           | 0                               | >100%                         | -   | 25          | 39           | 25                              | 99% -<br>>100%                | -   | 27          | 43           | 62                              | 44% -<br>69%                  | -                                       | -              | -              |
| LEWISVILLE                                       | 107,326         | 564   | 1,410       | 2,216        | 858                             | 66% -<br>>100%                | 794   | 1,773       | 2,786        | 6,372                           | 12% -<br>44%                  | 1,007                                       | 2,238       | 3,517        | 13,010                          | 8% - 27%                      | -                                       | X              | X              |
| LINDSAY  | 1,325           | -   | 12          | 19           | 0                               | >100%                         | -   | 13          | 21           | 15                              | 88% -<br>>100%                | -   | 26          | 40           | 195                             | 13% - 21%                     | -                                       | -              | -              |
| LITTLE ELM                                       | 29,627          | 122   | 285         | 448          | 28                              | >100%                         | 137   | 319         | 501          | 1,048                           | 13% -<br>48%                  | 136   | 317         | 498          | 1,880                           | 7% - 26%                      | -                                       | X              | X              |
| LUCAS  | 7,822           | 68  | 162         | 255          | 12                              | >100%                         | 112   | 241         | 378          | 753                             | 15% -<br>50%                  | 146   | 312         | 490          | 1,849                           | 8% - 26%                      | -                                       | X              | X              |

| Utility Name            | Popula-<br>tion | ESTIMATED MUNICIPAL SAVINGS / SAVINGS AS A PERCENTAGE OF PROJECTED NEEDS<br>(BASED ON 2021 DRAFT REGION C WATER PLAN) |             |              |                                 |                               |   |             |              |                                 |                               |   |             |              |                                 |                               | Current Outdoor<br>Watering Limitations |                   |                |
|-------------------------|-----------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------------|----------------|
|                         |                 | 2020  |             |              |                                 |                               | 2040  |             |              |                                 |                               | 2070  |             |              |                                 |                               |   |                   |                |
|                         |                 | Estimated Water Savings<br>(ac-ft per year)   |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | 1x<br>per<br>week                       | 2x<br>per<br>week | Time<br>of Day |
|                         |                 | 3%<br>Region<br>C   | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               |   |                   |                |
| LUELLA SUD              | 3,680           | -   | 27          | 43           | 0                               | >100%                         | -   | 33          | 52           | 85                              | 39% -<br>61%                  | -   | 47          | 73           | 277                             | 17% -<br>26%                  | -                                       | -                 | -              |
| M E N WSC               | 3,451           | -   | 34          | 54           | 0                               | >100%                         | -   | 39          | 62           | 2                               | >100%                         | -   | 51          | 81           | 209                             | 25% -<br>39%                  | -                                       | -                 | -              |
| MABANK                  | 9,763           | 55  | 135         | 213          | 755                             | 7% - 28%                      | 72  | 159         | 249          | 1,099                           | 7% - 23%                      | 187   | 411         | 645          | 4,784                           | 4% - 13%                      | -                                       | -                 | -              |
| MACBEE SUD              | 267             | -   | 1           | 2            | 0                               | >100%                         | -   | 2           | 3            | 0                               | >100%                         | -   | 3           | 5            | 0                               | >100%                         | -                                       | -                 | -              |
| MALAKOFF                | 2,432           | -   | 19          | 30           | 0                               | >100%                         | -   | 19          | 30           | 6                               | >100%                         | -   | 22          | 34           | 26                              | 83% -<br>>100%                | -                                       | -                 | -              |
| MANSFIELD               | 67,611          | 500   | 1,297       | 2,038        | 2,346                           | 21% -<br>87%                  | 833   | 1,944       | 3,055        | 18,078                          | 5% - 17%                      | 1,332                                       | 3,107       | 4,883        | 41,156                          | 3% - 12%                      | -                                       | -                 | X              |
| MARILEE SUD             | 7,686           | -   | 79          | 125          | 0                               | >100%                         | -   | 83          | 130          | 0                               | >100%                         | -   | 82          | 129          | 119                             | 69% -<br>>100%                | -                                       | -                 | -              |
| MARKOUT WSC             | 2,391           | 11  | 29          | 46           | 107                             | 10% -<br>43%                  | 19  | 45          | 70           | 317                             | 6% - 22%                      | 47  | 110         | 173          | 1,242                           | 4% - 14%                      | -                                       | -                 | -              |
| MCKINNEY                | 186,565         | 1,226   | 2,860       | 4,494        | 224                             | >100%                         | 1,470                                       | 3,429       | 5,388        | 10,906                          | 13% -<br>49%                  | 2,304                                       | 5,376       | 8,449        | 32,229                          | 7% - 26%                      | -                                       | X                 | X              |
| MELISSA                 | 17,938          | 118   | 276         | 434          | 361                             | 33% -<br>>100%                | 521   | 1,216       | 1,910        | 13,900                          | 4% - 14%                      | 772   | 1,802       | 2,832        | 22,390                          | 3% - 13%                      | -                                       | X                 | X              |
| MESQUITE                | 149,936         | 670   | 1,563       | 2,457        | 127                             | >100%                         | 790   | 1,844       | 2,898        | 6,039                           | 13% -<br>48%                  | 988   | 2,305       | 3,623        | 14,487                          | 7% - 25%                      | -                                       | X                 | X              |
| MIDLOTHIAN              | 20,660          | 136   | 337         | 529          | 1,399                           | 10% -<br>38%                  | 233   | 519         | 815          | 8,924                           | 3% - 9%                       | 291   | 646         | 1,015        | 10,346                          | 3% - 10%                      | -                                       | -                 | -              |
| MILLIGAN WSC            | 3,728           | -   | 32          | 50           | 3                               | >100%                         | -   | 43          | 68           | 134                             | 32% -<br>50%                  | -   | 67          | 106          | 400                             | 17% -<br>26%                  | -                                       | -                 | -              |
| MINERAL WELLS           | 2,107           | 9   | 24          | 38           | 250                             | 4% - 15%                      | 0   | 22          | 35           | 248                             | 9% - 14%                      | 0   | 20          | 32           | 248                             | 8% - 13%                      | -                                       | -                 | -              |
| MOUNT ZION<br>WSC       | 2,521           | 14  | 35          | 55           | 3                               | >100%                         | 22  | 52          | 81           | 162                             | 14% -<br>50%                  | 37  | 87          | 137          | 515                             | 7% - 27%                      | -                                       | -                 | -              |
| MOUNTAIN PEAK<br>SUD    | 9,467           | 80  | 208         | 327          | 705                             | 11% -<br>46%                  | 118   | 276         | 433          | 2,140                           | 6% - 20%                      | 219   | 512         | 804          | 7,505                           | 3% - 11%                      | -                                       | -                 | -              |
| MOUNTAIN<br>SPRINGS WSC | 2,709           | 0   | 32          | 50           | 0                               | >100%                         | 0   | 35          | 55           | 0                               | >100%                         | 39  | 91          | 142          | 774                             | 5% - 18%                      | -                                       | -                 | -              |
| MUENSTER                | 1,564           | -   | 19          | 29           | 0                               | >100%                         | -   | 18          | 29           | 0                               | >100%                         | -   | 19          | 29           | 0                               | >100%                         | -                                       | -                 | -              |
| MURPHY                  | 19,330          | 120   | 311         | 489          | 24                              | >100%                         | 132   | 308         | 484          | 964                             | 14% -<br>50%                  | 132   | 307         | 483          | 1,822                           | 7% - 26%                      | -                                       | -                 | X              |
| MUSTANG SUD             | 30,600          | -   | 321         | 505          | 0                               | >100%                         | -   | 857         | 1,347        | 6,956                           | 12% - 19%                     | -   | 1,666       | 2,618        | 17,209                          | 10% -<br>15%                  | -                                       | -                 | -              |



| Utility Name                          | Popula-<br>tion | ESTIMATED MUNICIPAL SAVINGS / SAVINGS AS A PERCENTAGE OF PROJECTED NEEDS<br>(BASED ON 2021 DRAFT REGION C WATER PLAN) |             |              |                                 |                               |   |             |              |                                 |                               |   |             |              |                                 |                               | Current Outdoor<br>Watering Limitations |                |                |
|---------------------------------------|-----------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|----------------|----------------|
|                                       |                 | 2020  |             |              |                                 |                               | 2040  |             |              |                                 |                               | 2070  |             |              |                                 |                               |   |                |                |
|                                       |                 | Estimated Water Savings<br>(ac-ft per year)   |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | 1x<br>per<br>week                       | 2x per<br>week | Time<br>of Day |
|                                       |                 | 3%<br>Region<br>C   | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               |   |                |                |
| NAVARRO MILLS<br>WSC                  | 3,128           | -   | 23          | 37           | 0                               | >100%                         | -   | 26          | 41           | 0                               | >100%                         | -   | 34          | 53           | 118                             | 29% -<br>45%                  | -                                       | -              | -              |
| NEVADA SUD                            | 2,493           | 8   | 18          | 28           | 1                               | >100%                         | 10  | 24          | 38           | 76                              | 13% -<br>50%                  | 143   | 333         | 523          | 1,973                           | 7% - 26%                      | -                                       | -              | -              |
| NEWARK                                | 1,772           | -   | 14          | 21           | 69                              | 20% -<br>31%                  | -   | 24          | 38           | 219                             | 11% - 17%                     | -   | 60          | 94           | 732                             | 8% - 13%                      | -                                       | -              | -              |
| NORTH COLLIN<br>SUD                   | 5,566           | -   | 57          | 90           | 4                               | >100%                         | -   | 74          | 116          | 231                             | 32% -<br>50%                  | -   | 118         | 185          | 699                             | 17% -<br>27%                  | -                                       | -              | -              |
| NORTH<br>FARMERSVILLE<br>WSC          | 417             | 2   | 6           | 10           | 0                               | >100%                         | 4   | 9           | 14           | 28                              | 14% -<br>50%                  | 6   | 14          | 22           | 83                              | 7% - 26%                      | -                                       | -              | -              |
| NORTH HUNT<br>SUD                     | 525             | -   | 2           | 4            | 0                               | >100%                         | -   | 3           | 5            | 0                               | >100%                         | -   | 4           | 6            | 0                               | >100%                         | -                                       | -              | -              |
| NORTH<br>KAUFMAN WSC                  | 2,818           | -   | 13          | 21           | 1                               | >100%                         | -   | 21          | 33           | 66                              | 32% -<br>50%                  | -   | 52          | 82           | 310                             | 17% -<br>26%                  | -                                       | -              | -              |
| NORTH<br>RICHLAND HILLS               | 72,102          | 384   | 897         | 1,409        | 0                               | >100%                         | 398   | 928         | 1,458        | 3,475                           | 11% - 42%                     | 393   | 918         | 1,443        | 6,275                           | 6% - 23%                      | -                                       | X              | X              |
| NORTH RURAL<br>WSC                    | 770             | -   | 5           | 8            | 0                               | >100%                         | -   | 5           | 9            | 0                               | >100%                         | -   | 6           | 9            | 0                               | >100%                         | -                                       | -              | -              |
| NORTHLAKE                             | 9,500           | 0   | 135         | 212          | 0                               | >100%                         | 186   | 434         | 682          | 2,192                           | 8% - 31%                      | 330   | 769         | 1,208        | 5,949                           | 6% - 20%                      | -                                       | -              | X              |
| NORTHWEST<br>GRAYSON<br>COUNTY WCID 1 | 1,906           | -   | 14          | 21           | 31                              | 44% -<br>69%                  | -   | 14          | 22           | 36                              | 39% -<br>61%                  | -   | 29          | 46           | 255                             | 11% - 18%                     | -                                       | -              | -              |
| OAK RIDGE<br>SOUTH GALE<br>WSC        | 2,551           | -   | 15          | 24           | 14                              | >100%                         | -   | 16          | 25           | 35                              | 45% -<br>70%                  | -   | 32          | 50           | 234                             | 14% -<br>22%                  | -                                       | -              | -              |
| OVILLA                                | 4,485           | 30  | 75          | 118          | 43                              | 70% -<br>>100%                | 53  | 116         | 182          | 284                             | 19% -<br>64%                  | 152   | 329         | 516          | 1,414                           | 11% - 37%                     | -                                       | -              | X              |
| PALMER                                | 2,440           | -   | 19          | 30           | 0                               | >100%                         | -   | 28          | 45           | 67                              | 43% -<br>67%                  | -   | 85          | 134          | 786                             | 11% - 17%                     | -                                       | -              | -              |
| PALOMA CREEK<br>NORTH                 | 8,194           | 0   | 119         | 187          | 0                               | >100%                         | 75  | 161         | 253          | 986                             | 8% - 26%                      | 75  | 161         | 253          | 1,421                           | 5% - 18%                      | -                                       | -              | -              |
| PALOMA CREEK<br>SOUTH                 | 4,154           | 0   | 60          | 94           | 0                               | >100%                         | 39  | 82          | 128          | 499                             | 8% - 26%                      | 39  | 82          | 128          | 720                             | 5% - 18%                      | -                                       | -              | -              |
| PANTEGO                               | 2,653           | -   | 48          | 75           | 0                               | >100%                         | -   | 46          | 73           | 0                               | >100%                         | -   | 46          | 72           | 0                               | >100%                         | -                                       | -              | -              |

| Utility Name                       | Popula-<br>tion | ESTIMATED MUNICIPAL SAVINGS / SAVINGS AS A PERCENTAGE OF PROJECTED NEEDS<br>(BASED ON 2021 DRAFT REGION C WATER PLAN) |             |              |                                 |                               |   |             |              |                                 |                               |   |             |              |                                 |                               | Current Outdoor<br>Watering Limitations |                |                |
|------------------------------------|-----------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|----------------|----------------|
|                                    |                 | 2020  |             |              |                                 |                               | 2040  |             |              |                                 |                               | 2070  |             |              |                                 |                               |   |                |                |
|                                    |                 | Estimated Water Savings<br>(ac-ft per year)   |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | 1x<br>per<br>week                       | 2x per<br>week | Time of<br>Day |
|                                    |                 | 3%<br>Region<br>C   | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               |   |                |                |
| PARKER                             | 7,316           | 95  | 219         | 344          | 320                             | 30% -<br>>100%                | 113   | 231         | 363          | 816                             | 14% -<br>45%                  | 166   | 339         | 533          | 2,176                           | 8% - 24%                      | -                                       | -              | X              |
| PARKER COUNTY<br>SUD               | 6,762           | -   | 50          | 79           | 0                               | >100%                         | -   | 105         | 164          | 629                             | 17% -<br>26%                  | -   | 188         | 295          | 1,822                           | 10% -<br>16%                  | -                                       | -              | -              |
| PELICAN BAY                        | 1,684           | -   | 8           | 12           | 0                               | >100%                         | -   | 8           | 13           | 0                               | >100%                         | -   | 9           | 14           | 7                               | >100%                         | -                                       | -              | -              |
| PILOT POINT                        | 6,500           | -   | 62          | 98           | 320                             | 19% - 31%                     | -   | 101         | 159          | 878                             | 12% - 18%                     | -   | 247         | 388          | 2,956                           | 8% - 13%                      | -                                       | -              | -              |
| PINK HILL WSC                      | 1,992           | -   | 16          | 25           | 0                               | >100%                         | -   | 17          | 26           | 8                               | >100%                         | -   | 34          | 53           | 258                             | 13% - 21%                     | -                                       | -              | -              |
| PLANO                              | 286,600         | 2,214   | 5,167       | 8,119        | 406                             | >100%                         | 2,229                                       | 5,202       | 8,174        | 16,834                          | 13% -<br>49%                  | 2,247                                       | 5,242       | 8,238        | 32,669                          | 7% - 25%                      | -                                       | X              | X              |
| PLEASANT<br>GROVE WSC              | 1,354           | -   | 9           | 15           | 0                               | >100%                         | -   | 10          | 15           | 0                               | >100%                         | -   | 29          | 46           | 34                              | 86% -<br>>100%                | -                                       | -              | -              |
| POETRY WSC                         | 909             | -   | 7           | 11           | 0                               | >100%                         | -   | 10          | 16           | 115                             | 9% - 14%                      | -   | 25          | 39           | 510                             | 5% - 8%                       | -                                       | -              | -              |
| POINT<br>ENTERPRISE<br>WSC         | 817             | -   | 6           | 10           | 0                               | >100%                         | -   | 6           | 10           | 0                               | >100%                         | -   | 7           | 11           | 0                               | >100%                         | -                                       | -              | -              |
| PONDER                             | 3,117           | -   | 27          | 43           | 3                               | >100%                         | -   | 48          | 76           | 305                             | 16% -<br>25%                  | -   | 95          | 149          | 967                             | 10% -<br>15%                  | -                                       | -              | X              |
| POST OAK SUD                       | 706             | -   | 4           | 6            | 0                               | >100%                         | -   | 4           | 6            | 4                               | 95% -<br>>100%                | -   | 5           | 8            | 184                             | 3% - 4%                       | -                                       | -              | -              |
| POTTSBORO                          | 3,056           | 14  | 36          | 57           | 95                              | 15% -<br>60%                  | 24  | 55          | 87           | 210                             | 11% - 41%                     | 88  | 204         | 321          | 2,135                           | 4% - 15%                      | -                                       | -              | -              |
| PRINCETON                          | 11,047          | -   | 83          | 130          | 10                              | >100%                         | -   | 557         | 875          | 1,938                           | 29% -<br>45%                  | -   | 651         | 1,023        | 4,504                           | 14% -<br>23%                  | -                                       | X              | X              |
| PROSPER                            | 20,160          | 155   | 362         | 569          | 39                              | >100%                         | 267   | 624         | 980          | 3,304                           | 8% - 30%                      | 388   | 906         | 1,424        | 7,336                           | 5% - 19%                      | -                                       | X              | X              |
| PROVIDENCE<br>VILLAGE WCID         | 7,235           | -   | 66          | 103          | 0                               | >100%                         | -   | 65          | 102          | 398                             | 16% -<br>26%                  | -   | 65          | 102          | 572                             | 11% - 18%                     | -                                       | -              | -              |
| R C H WSC                          | 4,266           | 24  | 63          | 99           | 5                               | >100%                         | 43  | 100         | 158          | 314                             | 14% -<br>50%                  | 82  | 192         | 301          | 1,136                           | 7% - 27%                      | -                                       | -              | -              |
| RED OAK                            | 7,667           | -   | 80          | 126          | 25                              | >100%                         | -   | 118         | 186          | 290                             | 41% -<br>64%                  | -   | 321         | 504          | 1,380                           | 23% -<br>37%                  | -                                       | -              | X              |
| RED RIVER<br>AUTHORITY OF<br>TEXAS | 1,457           | -   | 25          | 39           | 0                               | >100%                         | -   | 29          | 46           | 0                               | >100%                         | -   | 33          | 51           | 0                               | >100%                         | -                                       | -              | -              |
| RENO                               | 2,537           | -   | 12          | 19           | 0                               | >100%                         | -   | 12          | 20           | 7                               | >100%                         | -   | 13          | 21           | 39                              | 34% -<br>54%                  | -                                       | -              | -              |

| Utility Name                              | Popula-<br>tion | ESTIMATED MUNICIPAL SAVINGS / SAVINGS AS A PERCENTAGE OF PROJECTED NEEDS<br>(BASED ON 2021 DRAFT REGION C WATER PLAN) |             |              |                                 |                               |   |             |              |                                 |                               |   |             |              |                                 |                               | Current Outdoor<br>Watering Limitations |                |                |
|---|-----------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|----------------|----------------|
|   |                 | 2020  |             |              |                                 |                               | 2040  |             |              |                                 |                               | 2070  |             |              |                                 |                               |   |                |                |
|   |                 | Estimated Water Savings<br>(ac-ft per year)   |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | 1x<br>per<br>week                       | 2x per<br>week | Time<br>of Day |
|   |                 | 3%<br>Region<br>C   | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               |   |                |                |
| RHOME                                     | 2,304           | 11  | 28          | 44           | 281                             | 4% - 16%                      | 21  | 50          | 78           | 752                             | 3% - 10%                      | 58  | 136         | 214          | 3,029                           | 2% - 7%                       | -                                       | -              | -              |
| RICE WATER<br>SUPPLY AND<br>SEWER SERVICE | 9,521           | -   | 80          | 125          | 0                               | >100%                         | -   | 113         | 178          | 9                               | >100%                         | -   | 195         | 306          | 813                             | 24% -<br>38%                  | -                                       | -              | -              |
| RICHARDSON                                | 109,516         | 824   | 1,922       | 3,020        | 156                             | >100%                         | 843   | 1,968       | 3,093        | 6,538                           | 13% -<br>47%                  | 898   | 2,095       | 3,292        | 13,147                          | 7% - 25%                      | -                                       | X              | X              |
| RICHLAND HILLS                            | 8,401           | -   | 80          | 126          | 0                               | >100%                         | -   | 86          | 135          | 216                             | 40% -<br>63%                  | -   | 119         | 187          | 583                             | 20% -<br>32%                  | -                                       | -              | X              |
| RIVER OAKS                                | 7,559           | -   | 60          | 94           | 0                               | >100%                         | -   | 56          | 88           | 173                             | 32% -<br>51%                  | -   | 54          | 86           | 311                             | 18% -<br>28%                  | -                                       | -              | -              |
| ROANOKE                                   | 7,949           | 0   | 158         | 248          | 0                               | >100%                         | 107   | 234         | 368          | 806                             | 13% -<br>46%                  | 107   | 234         | 367          | 1,332                           | 8% - 28%                      | -                                       | X              | X              |
| ROCKETT SUD                               | 40,447          | -   | 323         | 508          | 0                               | >100%                         | -   | 445         | 699          | 1,492                           | 30% -<br>47%                  | -   | 1,012       | 1,590        | 14,254                          | 7% - 11%                      | -                                       | -              | -              |
| ROCKWALL                                  | 52,740          | 297   | 693         | 1,089        | 89                              | >100%                         | 632   | 1,476       | 2,319        | 7,371                           | 9% - 31%                      | 768   | 1,793       | 2,817        | 16,509                          | 5% - 17%                      | -                                       | X              | X              |
| ROSE HILL SUD                             | 5,106           | -   | 31          | 49           | 2                               | >100%                         | -   | 43          | 67           | 134                             | 32% -<br>50%                  | -   | 110         | 173          | 651                             | 17% -<br>27%                  | -                                       | -              | -              |
| ROWLETT                                   | 67,523          | 310   | 723         | 1,136        | 56                              | >100%                         | 348   | 813         | 1,277        | 2,541                           | 14% -<br>50%                  | 400   | 933         | 1,466        | 5,533                           | 7% - 26%                      | -                                       | -              | -              |
| ROYSE CITY                                | 11,279          | -   | 91          | 144          | 8                               | >100%                         | -   | 228         | 358          | 726                             | 31% -<br>49%                  | -   | 758         | 1,191        | 4,557                           | 17% -<br>26%                  | -                                       | -              | X              |
| RUNAWAY BAY                               | 1,447           | 15  | 37          | 58           | 686                             | 2% - 8%                       | 22  | 46          | 72           | 789                             | 3% - 9%                       | 35  | 75          | 118          | 3,391                           | 1% - 3%                       | -                                       | -              | -              |
| SACHSE                                    | 28,704          | 156   | 365         | 574          | 36                              | >100%                         | 154   | 359         | 564          | 1,144                           | 13% -<br>49%                  | 155   | 362         | 569          | 2,148                           | 7% - 26%                      | -                                       | X              | X              |
| SAGINAW                                   | 23,166          | 95  | 222         | 349          | 0                               | >100%                         | 117   | 273         | 429          | 853                             | 14% -<br>50%                  | 122   | 286         | 449          | 1,628                           | 7% - 28%                      | -                                       | X              | X              |
| SANGER                                    | 8,190           | 34  | 80          | 125          | 0                               | >100%                         | 50  | 117         | 184          | 296                             | 17% -<br>62%                  | 86  | 201         | 317          | 1,259                           | 7% - 25%                      | -                                       | -              | -              |
| SANSOM PARK                               | 4,799           | -   | 37          | 59           | 0                               | >100%                         | -   | 41          | 65           | 3                               | >100%                         | -   | 48          | 75           | 42                              | >100%                         | -                                       | -              | -              |
| SANTO SUD                                 | 94              | -   | 1           | 1            | 0                               | >100%                         | -   | 1           | 1            | 0                               | >100%                         | -   | 1           | 2            | 15                              | 7% - 11%                      | -                                       | -              | -              |
| SARDIS LONE<br>ELM WSC                    | 19,699          | 143   | 371         | 583          | 1,401                           | 10% -<br>42%                  | 242   | 566         | 889          | 4,417                           | 5% - 20%                      | 257   | 601         | 944          | 5,572                           | 5% - 17%                      | -                                       | -              | -              |
| SEAGOVILLE                                | 18,882          | -   | 144         | 227          | 174                             | 83% -<br>>100%                | -   | 195         | 306          | 1,011                           | 19% -<br>30%                  | -   | 250         | 393          | 2,119                           | 12% - 19%                     | -                                       | -              | X              |

| Utility Name                      | Popula-<br>tion | ESTIMATED MUNICIPAL SAVINGS / SAVINGS AS A PERCENTAGE OF PROJECTED NEEDS<br>(BASED ON 2021 DRAFT REGION C WATER PLAN) |             |              |                                 |                               |   |             |              |                                 |                               |   |             |              |                                 |                               | Current Outdoor<br>Watering Limitations |                |                |
|-----------------------------------|-----------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|----------------|----------------|
|                                   |                 | 2020  |             |              |                                 |                               | 2040  |             |              |                                 |                               | 2070  |             |              |                                 |                               |   |                |                |
|                                   |                 | Estimated Water Savings<br>(ac-ft per year)   |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | 1x<br>per<br>week                       | 2x per<br>week | Time<br>of Day |
|                                   |                 | 3%<br>Region<br>C   | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               |   |                |                |
| SEIS LAGOS UD                     | 2,041           | 16  | 40          | 63           | 4                               | >100%                         | 17  | 40          | 63           | 125                             | 14% -<br>50%                  | 18  | 42          | 66           | 248                             | 7% - 27%                      | -                                       | -              | -              |
| SHERMAN                           | 43,522          | 0   | 749         | 1,177        | 0                               | >100%                         | 0   | 781         | 1,227        | 25,365                          | 3% - 5%                       | 727   | 1,696       | 2,665        | 43,378                          | 2% - 6%                       | -                                       | -              | -              |
| SOUTH ELLIS<br>COUNTY WSC         | 1,622           | 0   | 29          | 46           | 0                               | >100%                         | 0   | 42          | 66           | 0                               | >100%                         | 46  | 107         | 168          | 922                             | 5% - 18%                      | -                                       | -              | -              |
| SOUTH<br>FREESTONE<br>COUNTY WSC  | 2,565           | -   | 18          | 28           | 18                              | 99% -<br>>100%                | -   | 18          | 29           | 26                              | 71% -<br>>100%                | -   | 58          | 91           | 587                             | 10% -<br>15%                  | -                                       | -              | -              |
| SOUTH GRAYSON<br>SUD              | 4,134           | -   | 35          | 56           | 0                               | >100%                         | -   | 46          | 73           | 156                             | 30% -<br>47%                  | -   | 60          | 95           | 354                             | 17% -<br>27%                  | -                                       | -              | -              |
| SOUTHLAKE                         | 27,709          | 344   | 802         | 1,260        | 0                               | >100%                         | 448   | 1,046       | 1,644        | 3,265                           | 14% -<br>50%                  | 647   | 1,509       | 2,371        | 8,607                           | 8% - 28%                      | -                                       | X              | X              |
| SOUTHMAYD                         | 1,281           | -   | 10          | 16           | 49                              | 20% -<br>32%                  | -   | 11          | 18           | 70                              | 16% -<br>26%                  | -   | 23          | 36           | 229                             | 10% -<br>16%                  | -                                       | -              | -              |
| SOUTHWEST<br>FANNIN COUNTY<br>SUD | 5,835           | -   | 40          | 64           | 0                               | >100%                         | -   | 52          | 82           | 115                             | 45% -<br>71%                  | -   | 93          | 146          | 704                             | 13% - 21%                     | -                                       | -              | -              |
| SPRINGTOWN                        | 4,068           | 24  | 63          | 99           | 468                             | 5% - 21%                      | 36  | 83          | 131          | 754                             | 5% - 17%                      | 35  | 83          | 130          | 748                             | 5% - 17%                      | -                                       | -              | X              |
| STARR WSC                         | 2,355           | -   | 17          | 27           | 0                               | >100%                         | -   | 17          | 27           | 0                               | >100%                         | -   | 35          | 55           | 0                               | >100%                         | -                                       | -              | -              |
| SUNNYVALE                         | 6,637           | 60  | 156         | 246          | 12                              | >100%                         | 123   | 286         | 450          | 923                             | 13% -<br>49%                  | 141   | 329         | 518          | 1,954                           | 7% - 26%                      | -                                       | -              | X              |
| TALTY SUD                         | 10,985          | 49  | 126         | 198          | 10                              | >100%                         | 71  | 165         | 260          | 518                             | 14% -<br>50%                  | 191   | 445         | 699          | 2,637                           | 7% - 26%                      | -                                       | -              | -              |
| TEAGUE                            | 4,029           | 18  | 48          | 75           | 64                              | 28% -<br>>100%                | 28  | 64          | 101          | 298                             | 9% - 34%                      | 51  | 119         | 187          | 1,080                           | 5% - 17%                      | -                                       | -              | -              |
| TERRELL                           | 22,723          | 104   | 270         | 424          | 622                             | 17% -<br>68%                  | 294   | 685         | 1,076        | 5,394                           | 5% - 20%                      | 442   | 1,032       | 1,622        | 14,030                          | 3% - 12%                      | -                                       | -              | X              |
| THE COLONY                        | 53,029          | -   | 565         | 888          | 241                             | >100%                         | -   | 637         | 1,002        | 1,501                           | 42% -<br>67%                  | -   | 689         | 1,083        | 2,915                           | 24% -<br>37%                  | -                                       | -              | -              |
| TIOGA                             | 1,209           | -   | 12          | 18           | 0                               | >100%                         | -   | 13          | 20           | 19                              | 68% -<br>>100%                | -   | 41          | 65           | 424                             | 10% -<br>15%                  | -                                       | -              | -              |
| TOM BEAN                          | 1,256           | 0   | 17          | 26           | 0                               | >100%                         | 9   | 20          | 32           | 52                              | 17% - 61%                     | 18  | 41          | 65           | 353                             | 5% - 18%                      | -                                       | -              | -              |
| TRENTON                           | 736             | 0   | 10          | 15           | 0                               | >100%                         | 11  | 26          | 40           | 229                             | 5% - 18%                      | 53  | 125         | 196          | 1,644                           | 3% - 12%                      | -                                       | -              | -              |
| TRINIDAD                          | 1,026           | -   | 7           | 12           | 0                               | >100%                         | -   | 7           | 11           | 0                               | >100%                         | -   | 9           | 14           | 0                               | >100%                         | -                                       | -              | -              |



| Utility Name            | Popula-<br>tion | ESTIMATED MUNICIPAL SAVINGS / SAVINGS AS A PERCENTAGE OF PROJECTED NEEDS<br>(BASED ON 2021 DRAFT REGION C WATER PLAN) |             |              |                                 |                               |   |             |              |                                 |                               |   |             |              |                                 |                               | Current Outdoor<br>Watering Limitations |                |                |
|-------------------------|-----------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|----------------|----------------|
|                         |                 | 2020  |             |              |                                 |                               | 2040  |             |              |                                 |                               | 2070  |             |              |                                 |                               |   |                |                |
|                         |                 | Estimated Water Savings<br>(ac-ft per year)   |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | 1x<br>per<br>week                       | 2x per<br>week | Time<br>of Day |
|                         |                 | 3%<br>Region<br>C   | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               |   |                |                |
| TROPHY CLUB<br>MUD 1    | 12,750          | 146   | 340         | 535          | 0                               | >100%                         | 144   | 337         | 529          | 930                             | 15% -<br>57%                  | 144   | 336         | 528          | 1,693                           | 9% - 31%                      | -                                       | X              | X              |
| TWO WAY SUD             | 6,256           | -   | 49          | 76           | 5                               | >100%                         | -   | 70          | 111          | 319                             | 22% -<br>35%                  | -   | 145         | 227          | 1,378                           | 10% -<br>16%                  | -                                       | -              | -              |
| UNIVERSITY<br>PARK      | 25,656          | 228   | 533         | 837          | 0                               | >100%                         | 223   | 519         | 816          | 0                               | >100%                         | 221   | 515         | 810          | 0                               | >100%                         | -                                       | X              | X              |
| VAN ALSTYNE             | 3,750           | 16  | 36          | 57           | 0                               | >100%                         | 29  | 69          | 108          | 104                             | 28% -<br>>100%                | 91  | 213         | 335          | 1,248                           | 7% - 27%                      | -                                       | X              | X              |
| VENUS                   | 81              | 0   | 1           | 2            | 92                              | 1% - 2%                       | 1   | 2           | 3            | 411                             | 0% - 1%                       | 1   | 3           | 5            | 654                             | 0% - 1%                       | -                                       | -              | -              |
| VERONA SUD              | 2,648           | -   | 19          | 29           | 0                               | >100%                         | -   | 25          | 40           | 94                              | 27% -<br>42%                  | -   | 39          | 62           | 297                             | 13% - 21%                     | -                                       | -              | -              |
| VIRGINIA HILL<br>WSC    | 2,384           | -   | 16          | 25           | 0                               | >100%                         | -   | 19          | 30           | 0                               | >100%                         | -   | 26          | 41           | 0                               | >100%                         | -                                       | -              | -              |
| WALNUT CREEK<br>SUD     | 21,351          | -   | 112         | 176          | 627                             | 18% -<br>28%                  | -   | 140         | 221          | 1,600                           | 9% - 14%                      | -   | 374         | 587          | 7,435                           | 5% - 8%                       | -                                       | -              | X              |
| WATAUGA                 | 24,525          | 85  | 199         | 313          | 0                               | >100%                         | 80  | 186         | 292          | 580                             | 14% -<br>50%                  | 78  | 182         | 286          | 1,038                           | 8% - 28%                      | -                                       | X              | X              |
| WAXAHACHIE              | 37,700          | 0   | 481         | 756          | 0                               | >100%                         | 256   | 646         | 1,015        | 1,622                           | 16% -<br>63%                  | 519   | 1,170       | 1,839        | 13,602                          | 4% - 14%                      | -                                       | -              | -              |
| WEATHERFORD             | 30,184          | 159   | 371         | 584          | 217                             | 73% -<br>>100%                | 198   | 461         | 724          | 2,009                           | 10% -<br>36%                  | 738   | 1,723       | 2,708        | 24,353                          | 3% - 11%                      | -                                       | X              | X              |
| WEST CEDAR<br>CREEK MUD | 18,066          | -   | 85          | 134          | 0                               | >100%                         | -   | 93          | 147          | 291                             | 32% -<br>50%                  | -   | 151         | 237          | 862                             | 18% -<br>28%                  | -                                       | -              | -              |
| WEST LEONARD<br>WSC     | 1,556           | -   | 14          | 23           | 0                               | >100%                         | -   | 15          | 24           | 0                               | >100%                         | -   | 27          | 43           | 0                               | >100%                         | -                                       | -              | -              |
| WEST WISE SUD           | 3,899           | -   | 33          | 53           | 26                              | >100%                         | -   | 34          | 53           | 141                             | 24% -<br>38%                  | -   | 37          | 58           | 789                             | 5% - 7%                       | -                                       | -              | -              |
| WESTLAKE                | 1,541           | 0   | 125         | 196          | 0                               | >100%                         | 239   | 559         | 878          | 2,031                           | 12% -<br>43%                  | 268   | 625         | 982          | 3,563                           | 8% - 28%                      | -                                       | X              | X              |
| WESTMINSTER<br>WSC      | 1,909           | -   | 18          | 28           | 0                               | >100%                         | -   | 25          | 39           | 0                               | >100%                         | -   | 39          | 61           | 6                               | >100%                         | -                                       | -              | -              |
| WESTOVER<br>HILLS       | 682             | 0   | 65          | 102          | 0                               | >100%                         | 33  | 68          | 106          | 212                             | 16% -<br>50%                  | 35  | 72          | 114          | 412                             | 8% - 28%                      | -                                       | -              | -              |
| WESTWORTH<br>VILLAGE    | 2,741           | -   | 28          | 44           | 0                               | >100%                         | -   | 31          | 49           | 98                              | 32% -<br>50%                  | -   | 38          | 59           | 215                             | 18% -<br>28%                  | -                                       | -              | X              |
| WHITE<br>SETTLEMENT     | 16,957          | -   | 146         | 229          | 0                               | >100%                         | -   | 150         | 236          | 335                             | 45% -<br>70%                  | -   | 266         | 418          | 1,272                           | 21% -<br>33%                  | -                                       | -              | -              |

| Utility Name           | Popula-<br>tion | ESTIMATED MUNICIPAL SAVINGS / SAVINGS AS A PERCENTAGE OF PROJECTED NEEDS<br>(BASED ON 2021 DRAFT REGION C WATER PLAN) |             |              |                                 |                               |   |             |              |                                 |                               |   |             |              |                                 |                               | Current Outdoor<br>Watering Limitations |                |                |
|------------------------|-----------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|-------------|--------------|---------------------------------|-------------------------------|---|----------------|----------------|
|                        |                 | 2020  |             |              |                                 |                               | 2040  |             |              |                                 |                               | 2070  |             |              |                                 |                               |   |                |                |
|                        |                 | Estimated Water Savings<br>(ac-ft per year)   |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | Estimated Water Savings<br>(ac-ft per year) |             |              | Needs<br>(ac-ft<br>per<br>year) | Savings<br>as a % of<br>Needs | 1x<br>per<br>week                       | 2x per<br>week | Time<br>of Day |
|                        |                 | 3%<br>Region<br>C   | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               | 3%<br>Region<br>C                           | 7%<br>WCBTY | 11%<br>WCBTY |                                 |                               |   |                |                |
| WHITE SHED<br>WSC      | 2,769           | -   | 21          | 33           | 0                               | >100%                         | -   | 27          | 42           | 85                              | 32% -<br>50%                  | -   | 70          | 110          | 697                             | 10% -<br>16%                  | -                                       | -              | -              |
| WHITESBORO             | 3,839           | -   | 33          | 52           | 0                               | >100%                         | -   | 32          | 50           | 0                               | >100%                         | -   | 51          | 81           | 188                             | 27% -<br>43%                  | -                                       | -              | -              |
| WHITEWRIGHT            | 1,906           | -   | 18          | 29           | 0                               | >100%                         | -   | 18          | 28           | 0                               | >100%                         | -   | 20          | 31           | 0                               | >100%                         | -                                       | -              | -              |
| WILLOW PARK            | 5,500           | -   | 60          | 94           | 166                             | 36% -<br>57%                  | -   | 106         | 166          | 819                             | 13% -<br>20%                  | -   | 186         | 293          | 1,971                           | 9% - 15%                      | -                                       | -              | -              |
| WILMER                 | 4,111           | -   | 30          | 47           | 17                              | >100%                         | -   | 49          | 77           | 121                             | 41% -<br>64%                  | -   | 258         | 405          | 1,109                           | 23% -<br>37%                  | -                                       | -              | -              |
| WOLFE CITY             | 90              | -   | 1           | 1            | 0                               | >100%                         | -   | 1           | 1            | 0                               | >100%                         | -   | 2           | 3            | 15                              | 14% - 21%                     | -                                       | -              | -              |
| WOODBINE WSC           | 6,210           | -   | 46          | 72           | 5                               | >100%                         | -   | 54          | 85           | 123                             | 44% -<br>69%                  | -   | 70          | 110          | 348                             | 20% -<br>32%                  | -                                       | -              | -              |
| WORTHAM                | 1,185           | -   | 12          | 19           | 12                              | 99% -<br>>100%                | -   | 13          | 20           | 23                              | 55% -<br>86%                  | -   | 24          | 38           | 188                             | 13% -<br>20%                  | -                                       | -              | -              |
| WYLIE                  | 47,156          | 213   | 497         | 782          | 39                              | >100%                         | 235   | 548         | 861          | 1,719                           | 14% -<br>50%                  | 285   | 664         | 1,044        | 3,951                           | 7% - 26%                      | -                                       | X              | X              |
| WYLIE<br>NORTHEAST SUD | 4,958           | -   | 47          | 74           | 3                               | >100%                         | -   | 65          | 102          | 202                             | 32% -<br>50%                  | -   | 231         | 362          | 1,368                           | 17% -<br>26%                  | -                                       | -              | -              |