



# **CITY OF LA VERNIA**

## **WATER CONSERVATION PLAN**

**Original Adopted**

April 9, 2026

### **City of La Vernia**

PWS #2470004

P. O. Box 225

102 E. Chihuahua Street

La Vernia, Texas 78121-0225

Martin Poor, Mayor

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## 1. Introduction and Objectives

### 1.1 Purpose

Water supply has always been a key issue in the development of Texas. In order to conserve the current water supply and delay the need for new supplies, minimize environmental impacts associated with developing new supplies, and delay the relatively high cost of additional water supply development, the City of La Vernia, hereinafter called the City, hereby adopts the following Water Conservation Plan (the Plan) in accordance with the requirements provided in 31 Texas Administrative Code (TAC) 363 and guidance provided by the Texas Water Development Board (TWDB).

The objectives of this Water Conservation Plan are to:

- Reduce total water consumption
- Minimize loss and waste of water;
- Improve overall water use efficiency; and
- Extend the lifespan of current water supplies/facilities by reducing the rate of growth in demand.

## 2. Utility Profile

The following is a summary of the City of La Vernia's Utility Profile. A detailed summary of the utility profile is provided in Appendix A.

The City of La Vernia manages a water distribution service area serving a population of approximately 1500 people, with 817 retail metered connections in Wilson County. A map depicting the boundaries of the City's Water Certificate of Convenience and Necessity (CCN) is included in Appendix B.

The city provides drinking water to its customers from groundwater produced from the City's 2 active groundwater wells, with additional water supply available through water purchased from CRWA.

## 3. Water Conservation Targets and Goals

The purpose of this Water Conservation Plan is to provide framework to reduce long-term demand on the water supply by encouraging more efficient water use practices within the City of La Vernia. TWDB requires that the plan contain specific 5-year and 10-year targets for water savings for total and residential per capita water use and water

loss. The City’s goals include reducing current per capita water usage and reducing water loss. Water loss is defined as unaccounted for water that is lost due to leaks, inaccurate meters, theft, etc. The city measures water entering the system with meters at its wells and a meter on the transmission line where purchase water enters the system. Water used for line flushing and dire flows are estimated and subtracted from the unbilled water to calculate the amount of water lost each year.

The 5-year and 10-year goals for per capita use and water loss as listed below, with current data based on the 2025 water use survey and water loss audit:

	<b>Current (2025)</b>	<b>5-year goal (2030)</b>	<b>10-year goal (2035)</b>
<i>Total GPCD</i>	269	250	230
<i>Water Loss (GPCD)</i>	56	40	27.6
<i>Water Loss (%)</i>	21%	16%	12%

## 4. Water Conservation Plan Implementation and Monitoring

The city will evaluate the efficiency and effectiveness of this plan’s 5-year and 10-year goals for water use reductions on an annual basis, when the city completes its annual TWDB Water Use Survey and Water Loss Audit.

## 5. Water Conservation Management and Strategies

### 5.1 Records Management Systems

The City recently upgraded their records management system which accounts for the water use and use characteristics throughout the water system, as well as finalizing a city-wide upgrade to advanced metering infrastructure system. This system has allowed the city to begin tracking information in real-time and has increased the accuracy of reported data. The new meters also allow the city to provide notification of leaks on the customer side of each meter.

### 5.2 Universal Metering

The city has a current system of universal metering. The ability to meter all water distribution and consumption allows the city to closely account for all water use and water losses, and to prevent unauthorized use. The city has a practice of cutting off all illegal meters and requiring the customer to purchase a meter. The city reserves the right to inspect any facilities and fine any persons with illegal connections.

### 5.3 Water Accounting

The city has implemented a meter testing and replacement program. This has lowered the water loss percentage significantly, by testing a representative number of meters annually to ensure continued accuracy.

### 5.4 Tracking and Controlling Water Loss

The City is continuously replacing older lines that have frequent leaks. The goal of the City's water loss control program is to limit system water losses to not exceed 16% of total annual treated water entering distribution and to ultimately reduce unaccounted-for water to a level of 12% or less. Unbilled unauthorized usage includes water lost to leaks, theft, etc. In some cases, the age of water lines and associated degradation due to age may be contributing to both unbilled authorized and unauthorized usages. Due to age of certain water lines within the system, these lines are typically scheduled for more frequent flushing; these lines generally have a higher probability of leakage due to their age as well. To meet the goals set forth in this plan, the City has implemented programs including routine water audits, a program of leak detection and repair, and meter testing and accuracy calibration. The City completes a work order prioritization system for leaks needing repair as well as keeping an inventory of equipment and materials needed to promptly repair all detected or reported leaks.

### 5.5 Water Use Restrictions

The City has implemented, through its Drought Contingency Plan, water use restrictions that apply year-round dependent on the drought stage. Refer to the Drought Contingency Plan in Appendix C for detailed information regarding water use restrictions.

### 5.6 Public Education and Information Program

The City's public education program makes contacts, both direct and indirect, every year through utility bill inserts, social media posts and the City's website. The City promotes water conservation issues by informing the public in the following ways:

- Making water conservation information available to new customers
- Making residential water audits available to all customers upon request
- Providing water conservation information to all customers upon request, through the City's website, and through social media outlets
- Coordinating educational presentations, social media posts, and demonstrations for schools, civic groups, and the general public
- Publishing water conservation information on a regular basis in the City's utility bill insert or other written form

- Supporting annual events and demonstrations relating to water conservation and environmental issues that affect water supply and quality

### 5.7 Plumbing Code and Retrofit Program

The City has adopted the International Plumbing Code, which requires the use of water-saving fixtures to be installed in new construction and in the replacement of plumbing in existing structures. The City educates the residents, plumbers, and contractors on the benefits of retrofitting existing facilities with water-saving devices through its public education program.

## 6. Coordination with Regional Water Planning Group

The service area of the city is located entirely within the South Central Texas Regional Water Planning Area (Region L). The City has informed the Region L Planning Group of the adoption of this Plan. A copy of the letter to Region L can be found in Appendix A.

## 7. Water Conservation Plan Adoption and Enforcement

This Water Conservation Plan was adopted by the La Vernia City Council; a copy of the corresponding ordinance is included in Appendix D of this plan. The City Administrator, or designee thereof, will be responsible for the implementation and enforcement of the plan and educating all City staff personnel. Implementation of the plan by City staff shall begin immediately upon adoption.

## 8. Reporting Requirements

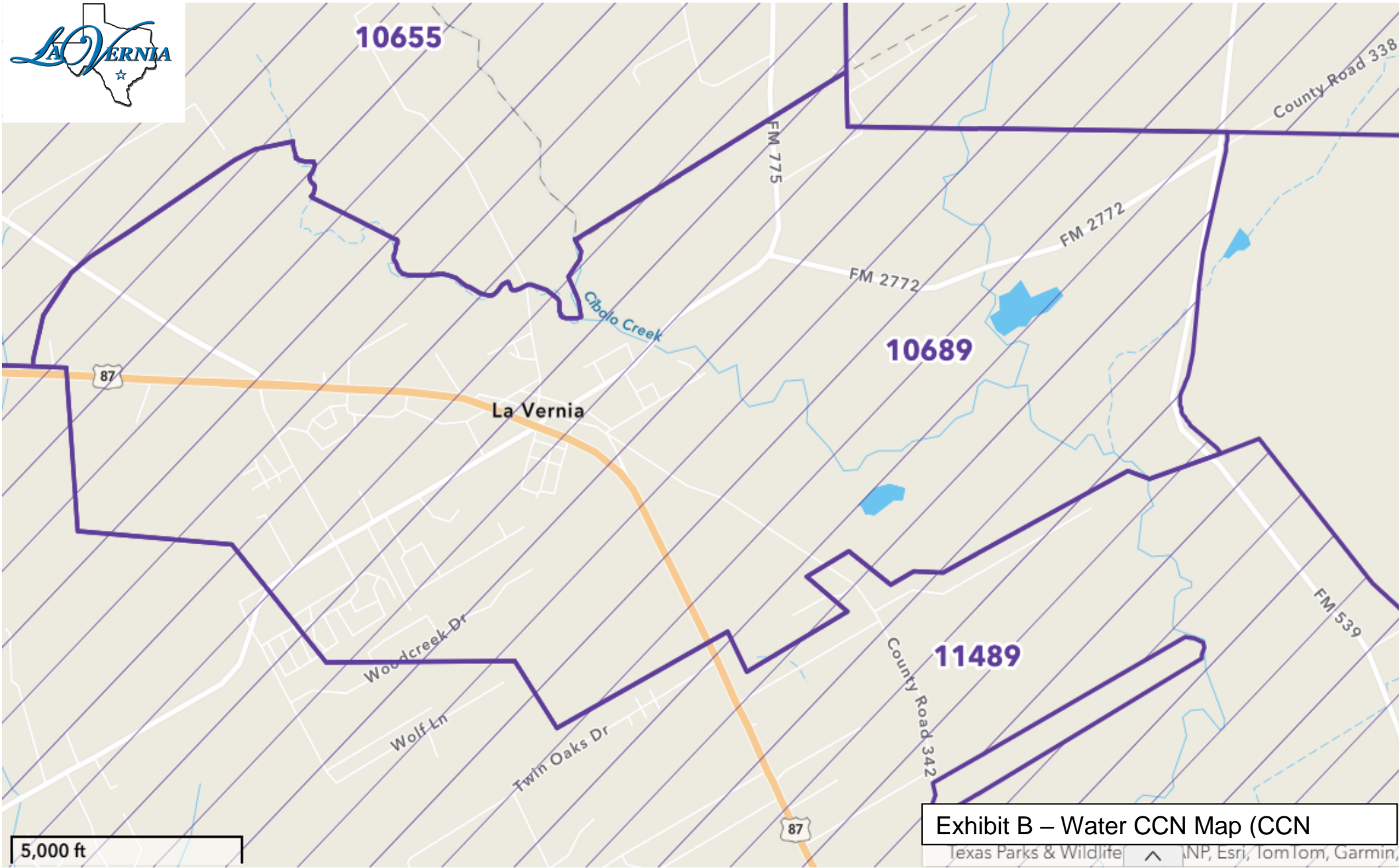
Each entity required to submit a WCP to the TWDB shall file a report, no later than May 1st, on the entity's progress in implementing each of the minimum requirements of the WCP. The annual report is to be submitted electronically to TWDB.

## 9. Plan Review and Update

The City will review and update this Water Conservation Plan based on an assessment of the 5-year and 10-year targets and any other new or updated information. The City will review and update the next revision of its WCP every five (5) years.

## Appendix A- Utility Profile

## Appendix B- Water CCN Map



**Exhibit B – Water CCN Map (CCN**  
Texas Parks & Wildlife | NP, Esri, TomTom, Garmin,

## Appendix C- Drought Plan

## Appendix D- Ordinance Adopting Plan