



To: Mayor and City Council
CC: Norm Beagley, MPA, P.E., City Manager
Jason Bond, MPA, Assistant City Manager
From: Jon Lundell, P.E., City Engineer
Date: December 21, 2023
Re: Santaquin City Water Conservation Plan update

In an effort to ensure that water providers are continuously working to improve the efficiency of their systems, water providers that service 500 connections or more, are required by the State of Utah, Division of Natural Resources to have a water conservation plan adopted. This plan must then be updated every 5 years. Our current water conservation plan was approved on December 18, 2018.

Santaquin City is located within the Provo River Region as defined by the “Utah’s Regional M&I Water Conservation Goals” plan from 2019 to guide water conservation goals throughout the state. Within that document, the Provo River Region’s stated goal for water used per resident is 179 gallons per capita per day (gpcd). With this update, Santaquin City would also adopt the Provo River Region goal.

To achieve this goal Santaquin City’s Water Conservation update includes the following goals:

1. Goal #1: Reduce Water use by providing water users with access to real time water use data. Santaquin Public works received a \$1.69 Million dollar grant from the Utah Division of Water resources to replace existing pressure irrigation (PI) meters with updated meters. These meters are read by centrally located towers and allow for real time monitoring by customers, thus allowing customers to actively monitor their irrigation water usage to make the most informed decisions on outdoor irrigation usage. The grant also included funds to cover the cost of needed software and licensing for 3 years. This meter replacement project is currently in progress.
2. Goal #2: Implement water efficiency ordinance and standards on all new homes constructed in Santaquin. These water efficiency standards may include but are not limited to:
 - a. Flip your strip incentive program
 - b. Restrict irrigated areas for new construction (i.e.: limit turf area, drip irrigation for trees and shrubs, drought tolerant plants, etc.)
3. Goal #3: Account for water supplied from culinary water and PI systems to city parks, and public properties
4. Goal #4: Implement a meter testing and replacement program.
5. Goal #5: Implement a leak detection and repair program.

The Utah division of water resources has completed a preliminary review of the proposed updates and has indicated that the proposed updated plan addresses the requirements and guidelines provided by the State of Utah.

I am available at any time to discuss any questions that you may have.

Recommendation:

Motion to adopt the 2023 updates to the Santaquin City Water Conservation plan.