

**TOOELE CITY CORPORATION**

# **Water Conservation Plan**

DRAFT

Updated—December 2021

## Table of Contents

Introduction .....	1
Water System Profile.....	1
System ID.....	1
Planning .....	2
Population .....	2
Connections and Use.....	3
Annual Water Supply and Purchases.....	5
Peak Water Demand.....	9
Pricing .....	10
Current Challenges and Opportunities .....	11
Current Conservation Practices .....	11
Goals.....	13
Cost Analysis .....	15
Cost of Reducing Water Consumption by 10% .....	15
Near and Long Term Benefits of Reducing Water Consumption.....	15
Implementation Procedure .....	17
Public Information .....	17
Monitoring and Evaluation.....	19
Plan Updates and Adoption.....	19
APPENDIX	

## LIST OF FIGURES

<b>Figure No.</b>	<b>Title</b>	<b>Page No.</b>
Figure 1.	Population .....	3
Figure 2.	Water Production .....	6
Figure 3.	Water Production per Capita .....	6
Figure 4.	Annual Precipitation .....	7
Figure 5.	Water Production vs. Summer Precipitation.....	8
Figure 6.	Seasonal Water Demand .....	10
Figure 7.	Water Production Comparison With / Without Conservation.....	16

## LIST OF TABLES

<b>Table No.</b>	<b>Title</b>	<b>Page No.</b>
Table 1.	Summary of Water Customers .....	4
Table 2.	Summary of Water Meter Sizes .....	4
Table 3.	Irrigation Company Shares .....	9
Table 4.	Tooele City Water Rates .....	10
Table 5.	Cost Savings .....	16

# **WATER CONSERVATION PLAN**

## **INTRODUCTION**

Tooele City is located in the southeast corner of Tooele Valley, and is nestled along the western foothills of the Oquirrh Mountains. The community was settled as an agricultural community which relied upon the sometimes unpredictable flows within Middle Canyon and Settlement Canyon drainages. These flows, supplemented with springs, provided the water needs of the young community. As Tooele grew to accommodate an active mining and smelting industry, an expanding military presence, as well as being a bedroom community for Salt Lake employers, groundwater wells were added. The City has successfully expanded its resources to meet the growing community needs for municipal service.

A general decrease in mining and smelter activity in the adjacent Oquirrh Mountains kept the population of the City between 12,000 and 15,000 persons between 1970 and 1990. Commencing in about 1996, the City began a period of unprecedented growth. The source of this growth was attributed to a combination of the availability of competitive priced houses for first time buyers, low mortgage interest rates, increased congestion along the Wasatch Front, the reconstruction of I-15, upgrades to State Road 36, and quality of life. By the year 2003, the population had swelled to approximately 26,000 and the city corporate boundaries had essentially doubled. The current population is estimated at 37,465. In order to meet these growth demands, the City continues the task of developing new water.

This water conservation plan has been written and updated to address the concerns of leaders and citizens of both Tooele City and the State of Utah. This plan discusses the City's water resources and how the City plans to manage its resources through water conservation measures.

## **WATER SYSTEM PROFILE**

### **System ID**

The system name and address for Tooele City are as follows:

Tooele City Corporation  
90 North Main  
Tooele, Utah 84074  
(435) 843-2130  
System Number: 23004

Contact: Jamie Grandpre, Public Works Director

## **Planning**

Tooele City affords the benefits of small city life, while providing the sense of dynamic growth and change. The City's leaders have developed master plans which include broad ranges of diversity. These include large tracts of open space and parks mingled throughout and adjacent to residential neighborhoods, the placement of commercial centers along principal transportation corridors, and the inclusion of an industrial area within the former Tooele Army Depot property, and the development of an education center for secondary, post secondary institutions and trade programs. Each of these uses encourage continued, healthy growth.

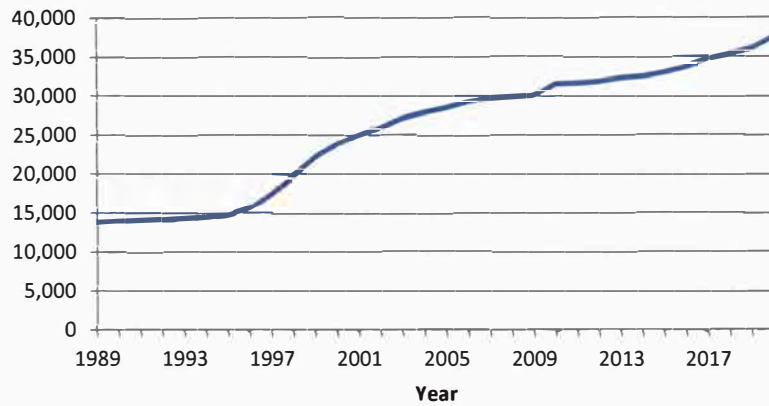
Tooele City continues to receive a significant portion of the county's residential, commercial and industrial growth. This growth causes changes in the way the land within the city limits is currently being utilized and could easily strain the ability of the present water supply and delivery system to meet future demands if left unchecked. Through careful planning and efficient utilization of available water supplies and infrastructure, these increased needs can, and will, be met.

The City's current Culinary Water Master Plan was updated in May 2021 by the engineering firm of Hansen, Allen & Luce. The master plan was developed upon the premise that the City would one day be fully developed in accordance with present zoning densities. While the City was shown to have adequate resources for its present and near future development, the message was simply that the City would require significant additional water resources if it planned to continue growing. As a result, the City continues to require that all new development provide culinary water rights to the City as a condition of development and according to their impact. In addition, the City charges water impact fees to new development.

## **Population**

As shown in Figure 1, the City has experienced significant growth demands within the past several years. In the mid 1990's, the City growth rates increased from approximately 3.3% and 7.2%. The growth rate further increased between 1997 and 1999 to approximately 14% per year. Since 2015, the growth rate within the City has averaged 2.7% per year.. The 2020 population estimate of Tooele City is 37,465. Tooele is entering a new hase of rapid, double-digit growth.

**FIGURE 1. POPULATION**



Based upon information provided by the Governor's Office of Planning and Budget, the City's population growth through the year 2060 is expected to continue to grow annually at approximately 2.5%. At this assumed rate the population of Tooele City would be approximately 100,700 persons by the year 2060, or approximately 2.7 times the existing population. As history has shown, many factors influence this projection and the estimates shown may vary substantially from the actual population experienced. One of the most serious challenges to meet future needs will be the availability of a sufficient quantity and quality of water.

### **Connections and Use**

Table 1 summarizes the current number of Equivalent Residential Connection (ERC's) by customer type. Table 2 summarizes the number of meters by size.

**TABLE 1.  
EXISTING ERC's BY CUSTOMER TYPE**

<b>Type</b>	<b>No. of Customers</b>
Church	250
Tooele City	310
Commercial	1,470
Construction Water	5
Industrial	320
Livestock	5
Middle Canyon Irrigation	215
Multi-Unit	925
Residential	9,240
Restaurant	185
School	490
Trailer Park	500
Wholesale (Lincoln)	45
<b>Total</b>	

\* Source: *Culinary Water Master Plan (HA&L, 2021)*

**TABLE 2  
SUMMARY OF WATER METER SIZES**

<b>Meter Size</b>	<b>No. of Meters</b>
½" to ¾"	9,879
1"	689
1 ½"	124
2"	136
3"	25
4-8"	24
<b>Total</b>	<b>10,877</b>

## Annual Water Supply and Purchases

Tooele City currently provides culinary and secondary water for the community through the Tooele City Water Special Service District. (The City and the District will collectively be referred to herein as the City.) In addition to the City's water system, there are two private companies which deliver irrigation water within the corporate boundaries of the City. These include *Middle Canyon Irrigation Company* and *Settlement Canyon Irrigation Company*. These irrigation companies are working to install meters within their system.

### Culinary System

The City's culinary system presently consists of 13 operating wells and various springs. These sources are operated in accordance with regulations of the State Division of Drinking Water and the Office of the State Engineer. For the most part, the City's water rights are not assigned to specific wells, rather they have been assigned to multiple points of diversion from various City wells. While this does not increase the actual capacity of the well or the water right, it does allow the City to better manage its resources to meet demands within the City.

The City owns interests in water rights from a number of general water use areas. These include Tooele City and vicinity, Grantsville, Stockton (identified as Hogan) and Barrick. Collectively these rights allow the beneficial use of approximately 14,930 acre feet, which are all presently classified for municipal use, and are as shown on Exhibit A. It should be noted that this volume includes all types of water rights (Water User Claim, Certification, Proposed Determination, Application, etc.). A summary of these water rights is contained within the Appendix.

In addition to the water rights referenced above, the City also owns certain rights near Vernon, Utah, which is located approximately 35 miles south of the City. At this point in time these rights are believed to have a diversion right in excess of 4,300 acre-feet when fully developed. When these rights are converted to municipal use within the City in the future, it is anticipated that the State will limit the irrigation rights to the historic depletion limit, or roughly 55%. Given these assumptions, the actual Vernon rights will be limited to approximately 2,400 acre feet. This value, together with the City's other rights referenced above, total approximately 17,330 acre feet.

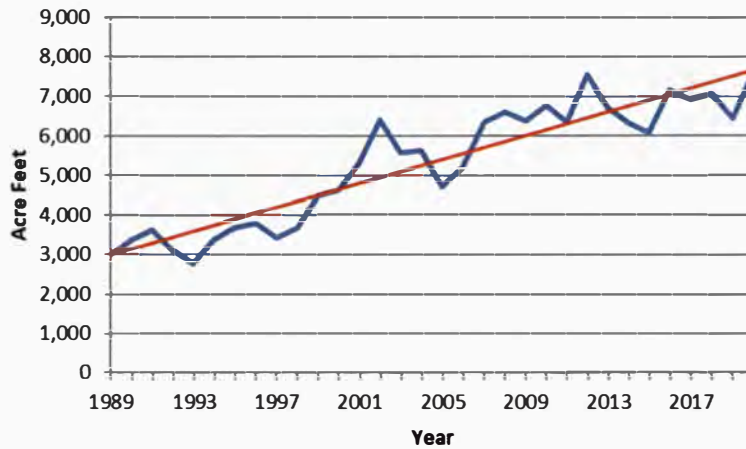
In addition to the above referenced water rights, the City also has a water development agreement with Kennecott for the development of approximately 7,487 acre feet of water rights.

The City has developed source capacity for 500 acre feet of the Kennecott water. The water rights held by the City are sufficient to meet current and obligated demands. However, additional water rights, along with increased conservation efforts, will need to be acquired in order to meet the projected demands.



Pumping and discharge records for the City's wells and springs are maintained by the City. A summary of the total water produced by the City through 2020 is as shown in Figure 2.

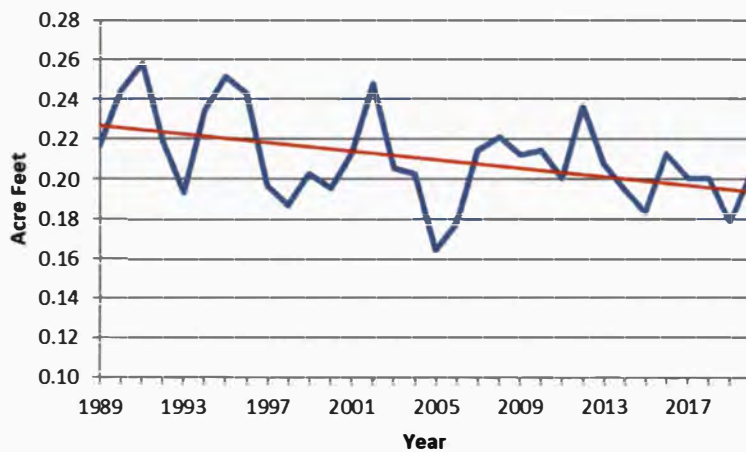
**FIGURE 2. WATER PRODUCTION**



As shown, the City has been withdrawing increasing amounts of water from the aquifer to meet the demands of new residential, industrial and commercial growth.

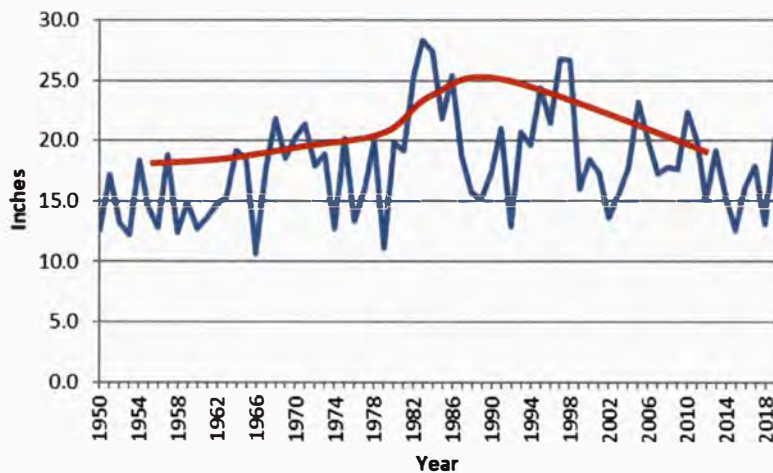
Figure 3 shows the water production per capita over the past 25 years. This figure represents all water used within the service area. Using linear analysis, the per capita demand is calculated to be approximately 0.195 acre-feet per year. This value is 0.005 acre feet less than the value reported in 2015.

**FIGURE 3. WATER PRODUCTION PER CAPITA**



There are certainly variations in water production year to year, which are attributed to annual and seasonal precipitation, snowpack, temperature, etc. However, as shown in Figure 3 there is a downward trend in the water production requirements per capita over the recent 30 year period. As mentioned above, precipitation plays a role in all aspects of water planning. Figure 4 illustrates the total rainfall received at the Tooele City station for the time period 1950 thru 2020. Over this time period, the variations in annual precipitation depth have ranged from a low of 10.6 inches received in 1966 to a high of 28.3 inches received in 1983. Complete annual precipitation totals prior to 1950 are incomplete. Patterns are cyclical in nature, and suggest that the City should anticipate a further decline in precipitation for at least the next several years.

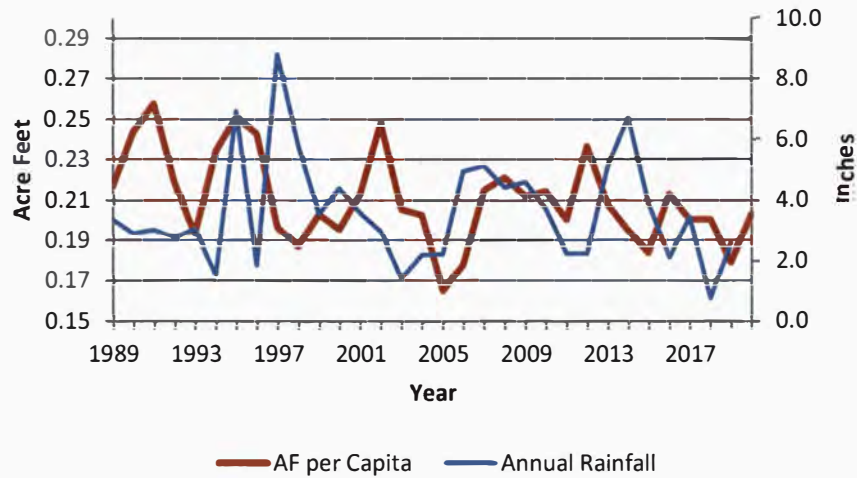
**Figure 4. Annual Precipitation (City)**



When considered together, Figures 3 and 4 indicate that in spite of the decrease in annual precipitation over the past several years, the City has at the same time been able to progressively reduce water demand per capita, allowing substantial growth.

As shown in Figure 5, there is a reasonable correlation between annual water production per capita and precipitation received at the Tooele City weather station during the high water demand growing season (June thru September).

**FIGURE 5. WATER PRODUCTION PER CAPITA VS. SUMMER PRECIPITATION**



Using the available City data, the current average of 177 gallons of culinary water per capita per day (gpcd) is calculated when all uses of culinary grade water are compared with the total number of residents living in Tooele City. Not only is this number significantly lower than the statewide average of 260 gpcd, but is approximately 10% lower than the per capita value of 197 reported in the 2010 Water Conservation Plan.

Secondary Water

In the year 2000, the City put into use the new Tooele City Water Reclamation Facility which has the design capacity to treat approximately 3.4 million gallons of effluent per day. The current level of treatment is approximately 2.4 million gallons per day. This water is currently being delivered to and stored in 17 storage lakes which the City has constructed, and is used on the adjacent Links at Overlake 18-hole golf course.

In addition to the reuse water, the City also owns irrigation water rights within the service area of Tooele City, as well as irrigation rights which are located in the vicinity of the City's Vernon sod farm.

The City also owns significant shares of stock in both the Middle Canyon and Settlement Canyon Irrigation Companies. Water delivered from these systems is used on the City's Golf Course, City parks, City cemetery and open space. A summary of the City's irrigation shares are as shown in Table 3.

**TABLE 3.  
IRRIGATION COMPANY SHARES**

<b>Irrigation Company</b>	<b>Water Right</b>	<b>Total Shares</b>	<b>Total Quantity (AF)</b>	<b>Tooele City Shares</b>	<b>AF per Share*</b>	<b>Tooele City Quantity (AF)</b>
Middle Canyon Irrigation Company	15-2184 15-597	1,884	3,121.8	509.5	1.67	850.9
Settlement Canyon Irrigation Company	15-182 15-5021	4,320	4313	711	1.00	709.8

*The available acre-foot per share quantity varies depending upon actual flow.*

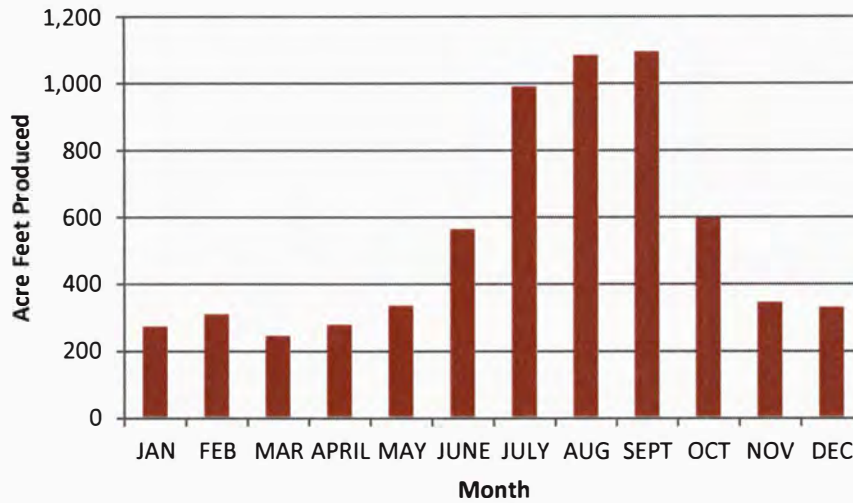
In 1997, the City signed an agreement with Middle Canyon Irrigation Company whereby the City received the rights to the Middle Canyon flow in exchange for allowing shareholders within the City's limits to connect to the City's culinary line and receive pressurized water. This exchange was beneficial to the City in that it allowed the City to construct storage ponds adjacent to Middle Canyon for storage of secondary water, eliminated inefficiencies in the historic ditch distribution system and flood irrigation methods used on private lots throughout the eastern portions of the City, and minimized the need for furnishing culinary grade water for the City's Oquirrh Hills Golf Course and Elton Park. In order to increase efficiency and promote water conservation, the City also replaced the inefficient irrigation system on the Golf Course and Elton Park.

The City plans to expand the secondary water system to public and institutional uses in the City.

### **Peak Water Demand**

The City's current typical water demand distribution throughout the year is as shown in Figure 6. As anticipated, the water production through the summer months of June through September are three to four times the demand of the winter base months. The average culinary water demand increases from approximately 250 acre feet per month in the winter to in excess of 1,000 acre feet per month in the summer.

**FIGURE 6. SEASONAL WATER DEMAND**



**Pricing**

The City has adopted a tiered water rate schedule for culinary users as a means of promoting water conservation. The base fee is dependent upon the size of the water meter with an accompanying base rate. A stepped increase fee is then applied based upon water usage. The more water used, the higher the cost per unit of water. The additional water funds generated from the use fees will be used by the City for developing new water sources and for upgrades within the existing system to improve efficiency.

The rate schedule for culinary water is as shown below in Table 4.

**TABLE 4.  
TOOELE CITY WATER RATES**

Monthly Base Fee		Monthly Usage in Units* (All Meter Sizes)	Additional Charge per Unit (All Meter Sizes)
3/4" Meter	\$10.00	0-10	\$0.75
1" Meter	\$15.00	11-30	\$1.00
1.5" Meter	\$22.50	31-50	\$1.25
2" Meter	\$30.00	51-70	\$1.50
3" Meter	\$37.50	71-90	\$1.75
4-6" Meter	\$45.00	91+	\$2.00

\* One Unit of Water = 750 gallons

Rates Effective June 1, 2003

## **CURRENT CHALLENGES AND OPPORTUNITIES**

The following items have been identified as essential to implementation of an effective water conservation plan:

- The current water pricing was most recently adjusted in the summer of 2003. In general, water demand per ERC is declining, but further reductions are desirable. With the updated water master plan information now available, the City is currently evaluating its culinary water impact and user fees. These fees and pricing may contribute to further reductions in water demand.
- The City has taken several steps to correct areas of low water pressure. However, there remain a very few isolated areas of relatively low water pressure in portions of the City during peak summer demands. Although these low pressure areas exceed minimum State requirements, the City desires to address residential complaints about relatively low pressure.
- Citizens generally lack information and understanding of landscaping water requirements and efficient water-use habits and practices: Few residents know how much water is required to maintain healthy landscaped areas and how to consistently use water efficiently indoors. Most citizens' irrigation and indoor practices are based on convenience (e.g. automatic sprinkler timers, etc.) rather than actual plant needs, water supply considerations, or weather.
- The City has taken major steps to replace old meters. However, there are still several meters which should be replaced due to age and obsolescence. Each year, the City will need to replace meters that have been in service for several years and need to be replaced. One limitation the City is facing at this time is the shortage of water meters due to limited availability of the chips used to monitor and record data. It is hopeful that the supply chain issues are resolved shortly.
- Many trees and shrubs on the city's acceptable plants list are high water users. The list should be evaluated and revised to favor lower water users.
- Many Tooele City families have favored large areas of grass and water intensive landscaping. As shown previously in Figure 6, these irrigation needs usually create a water use peak in July and August which strains the existing water delivery system and will necessitate upgrades to main delivery lines and reservoir capacities.

## **CURRENT CONSERVATION PRACTICES**

Tooele City's current water management program has the primary focus of managing water resources during times of shortage and/or times of natural disaster such as earthquake, fire, power outages, etc. Existing management measures taken by the City include the following:



- Adoption of an updated Drinking Water Source Protection Contingency Plan.
- Development of reuse water for golf courses, schools, parks and other open spaces.
- Continued operation of the Tooele City Water Reclamation Facility which provides irrigation water from the City's waste water system.
- Development of distribution system improvements to allow for more effective use of the City's Middle Canyon Irrigation Company shares.
- Continued and more efficient use of Settlement Canyon Irrigation shares on City parks, Cemetery, and other open space.
- Adoption of a revised, graduated culinary water user rate structure to encourage conservation and discourage excessive water usage.
- Instigate voluntary and involuntary public conservation measures.
- Ongoing replacement of aging water meters and water mains.
- Upgrading of Pressure Reducing Vaults with SCADA for earlier detection of pressure problems.
- Information/Education of the Public as to the water supply situation and water efficient landscaping.

In addition, the following tools are available by ordinance for enforcement as necessary:

- Elimination of watering on City owned property during the hottest times of the day.
- Enforce watering restrictions for all portions of the City including watering days and times.
- Encouragement of voluntary watering restrictions between the hours of 10:00 a.m. and 6:00 p.m. and on Sundays.
- Inform the public about water conservation through the City "*90 North Main*" newsletter, social media platforms, and in other ways.
- Instigate emergency water conservation measures:
  - Enforce conservation policies with fines for non-compliance
  - Physically restrict water supplies as needed to meet the essential needs of the public for life, health and safety, in the following order:
    - outside irrigation systems
    - park properties and other non-essential support facilities
    - commercial businesses

- residential areas

## GOALS

In pursuit of solutions to the challenges identified previously, and in light of the variety of conservation measures available to address these challenges, the following goals have been identified:

1. **Maintain a financially viable water system.** The water pricing system should encourage customers to reduce use without creating a revenue shortfall. The system should be evaluated on a regular basis to ensure fiscal viability while furthering the City's water conservation objectives.
2. **Reduce the city's per capita water use rate by 10 percent in five years.** The current calculated average water-use is 177 gallons of culinary water per capita per day (gpcd). The City desires to bring this down to 160 gpcd (177 gpcd x.90) through a combination of the following:

A. Meter Replacement and Leak Detection Program

Over time, all meters become less accurate in recording actual flows. This leads to lost revenue to the city and inaccurate data to citizens. Meters should also be placed on all parks and open spaces not currently metered. The City is continuing an aggressive program to replace all old meters. While replacing a meter does not by itself decrease water usage it does provide a means whereby excessive users can be identified, and assists in identifying leaks more readily as well as providing a more accurate picture of water usage in the City. The City is now on a regular schedule for maintenance and replacement.

B. Improved Efficiency in Irrigating City Parks and Other Open Spaces

Since the last update the City has updated the irrigation system at Elton Park, and has added controllers at the Dow James, England Acres, City Park and Rancho parks. However, there remain other park areas where the infrastructure is aging, and are in need of replacement. Efficiencies typically are also decreased due to the need for manual watering requirements and/or limited available staff. Over watering of public spaces beyond the vegetative requirement is not uncommon throughout the State.

The City should also use reuse and other non-culinary water for other parks as systems become available for use. The City Parks and Recreation Department recognizes this fact, and has taken steps to reduce inefficiencies at the City's open spaces. The City continues to evaluate its other parks and open spaces for irrigation efficiency and plan for similar upgrades and replacements, where possible.



C. Information

The City provides informational material to residents and businesses who irrigate landscapes about how to use water more efficiently to improve water conservation. The plan should focus on the needs for water conservation, community challenges, and alternatives which are feasible. The plan should also discuss the rationale behind the actions taken as well as the monetary benefits to the consumer.

D. Identify high water users

Many times high water users are not consciously aware of the fact that they use more water than necessary. With the replacement of many old meters, this knowledge has become more readily attainable. High volume water users exist within all types of water usage.

E. Plumbing Fixture Replacement

Residential and commercial users are encouraged to exchange old high water-use toilets and shower heads for new more efficient ones. The Division of Water Resources has previously estimated that such programs could reduce residential indoor water use by 33 percent.

Many of the city's homes and businesses have been built prior to 1992 when plumbing codes were revised to require low water-use toilets and low flow showerheads in new construction. Assuming one-half of the 177 gallons per capita per day (gpcd) is used outdoors, then 89 gpcd is being used indoors. Reducing this by only 20 percent will save 18 gpcd. Using an average occupancy of 3.5 people per connection, this will save approximately 63 gallons per day in each home. If 4,000 of the existing residential equivalent connections in the city have old plumbing, the reduction in water use would be 252,000 gallon per day.

F. Perform Leak Detection Analysis

Many of the City's culinary pipes are aging, and may be experiencing unknown and/or unidentified leakage. Along with the meter replacement program, there are several different leak detection methods available to the City. These tools will place the City in a better position to be able to evaluate leaks sooner, and implement repairs to stop the loss.

3. **Maintain or improve the appearance of street landscapes, open spaces, and yards.** Improved irrigation practices and water efficient landscapes will enhance the beauty of the city. The City will perform an evaluation of park strip planting requirements, including the possibility of eliminating grass and requiring drought tolerant plantings with drip irrigation.

## **COST ANALYSIS**

### **Cost of Reducing Water Consumption by 10%.**

Meter replacement is not included herein as it is less of a conservation measure, than a tool to help identify abuses and/or deficiencies of the system.

During this last few years, the City upgraded the irrigation systems at Elton Park and City Park. The costs associated with replacement/upgrade of the remaining irrigation systems in the City's parks will require several years to complete. The Red DelPapa Park and the City Cemetery are perceived as the next most beneficial projects which should be undertaken within the next five years. The cost of the irrigation system for these projects is estimated at approximately **\$400,000**.

Costs and delivery methods associated with public information will vary significantly depending upon the method utilized for informing the consumer, and have not been analyzed.

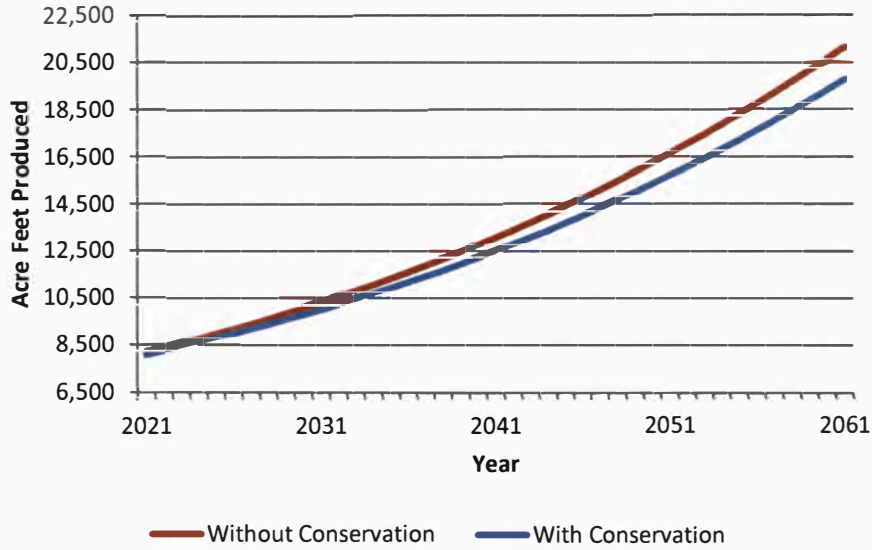
The costs associated with identification of high water users are not anticipated to be extreme. Rather, it is anticipated that the existing software utilized by the City may be modified to further enable the City to automatically flag customers who experience unexpected water usage (leaks) and/or those who consistently have higher than average water demands. The cost to administer this program is anticipated to consist of programming costs and some limited administrative time to issue notices to customers. Estimated cost **\$20,000/year**.

Leak detection costs will also vary significantly depending upon conditions encountered. Initial detection is anticipated to occur through use of the City's existing monitoring and record files. Various field detection methods exist, with their cost also varying depending subsurface conditions, time of year and other factors. In addition to underground pipes, the City also inspects each water storage tank periodically for leaks, seepage, or other damage.

### **Near and Long Term Benefits of Reducing Water Consumption by 10%.**

Figure 7 represents a graphical comparison between the culinary water demand requirements for the City Based through the year 2061 without conservation vs. that of a 10% reduction.

**FIGURE 7. WATER PRODUCTION COMPARISON**



The net impact of this comparison over the next forty-year period (2021 through 2061) is as follows:

- Net yearly reduction of 268 acre feet capacity in the year 2061.

Based upon this simple analysis, the cost savings which the City would experience are as shown below.

**TABLE 5  
COST SAVINGS**

Fact	Savings
Pumping Capacity of 568 Acre Feet requires one new well	Drilling and equipping cost for a culinary well is approximately <b>\$2.5 million</b> . This cost does not include transmission piping costs necessary as wells are located further from the service area.
One time purchase of 568 acre feet of water at \$15,000/acre-foot	Net one time cost <b>\$8,520,000</b>
Cost savings by not having to up size culinary distribution, storage and transmission lines	<b>Significant, not calculated</b>

## **IMPLEMENTATION PROCEDURE**

### **Public Information**

The distribution of information to the public is perhaps the most effective measure that the City can undertake at this time. Informational facts which could be forwarded in mailers and other delivery methods, including social media to all residents include the following:

#### Outdoor Water User:

- Water landscape only as much as required by the type of landscape, and the specific weather patterns of your area.
- Leave lawns longer in height during the summer months and leave lawn clippings on the lawn.
- Aerate lawns in the spring and fall in order to promote healthy lawn root growth.
- Do not water on hot, sunny, and/or windy days. You may actually end up doing more harm than good to your landscape, as well as wasting a significant amount of water.
- A single lawn sprinkler spraying five gallons of water per minute uses 50 percent more water in just one hour than the combination of 10 toilet flushes, two five-minute showers, two dishwasher loads, and one full load of laundry.
- Sweep or blow sidewalks and driveways instead of using the hose to clean them off.
- Post links to water conservation sites to the City's web page and social media platforms as well as to it's 90 North Main publication which is distributed to all residents.
- Encourage use of smart irrigation timers for all users, and consider offering rebates for their installation and use.
- Wash your car from a bucket of soapy (biodegradable) water and rinse while parked on or near the grass or landscape so that all the water running off goes to beneficial use instead of running down the gutter to waste.
- Check for and repair leaks in all pipes, hoses, faucets, couplings, valves, etc. Verify there are no leaks by turning everything off and checking your water meter to see if it is still running. Some underground leaks may not be visible due to granular soil conditions and the size of the leak.
- Use mulch around trees and shrubs, as well as in your garden to retain as much moisture as possible. Areas with drip systems will use much less water, particularly during hot, dry, and windy conditions.

- Post links to water conservation websites and interactive irrigation websites, such as, Jordan Valley Water Conservancy District.

### Indoor Water User

About two-thirds of the total water used in a household is used in the bathroom. Concentrate on reducing your bathroom use. Following are suggestions for this specific area:

- Do not use your toilet as a wastebasket. Place all tissues, wrappers, diapers, cigarette butts, etc. in the trash can.
- Check the toilet for leaks. Is the water level too high? Put a few drops of food coloring in the tank. If the bowl water becomes colored without flushing, there is a leak.
- If you do not have a low volume flush toilet, put a plastic bottle full of sand and water to reduce the amount of water used per flush. However, be careful not to over conserve to the point of having to flush twice to make the toilet work. Also, be sure the containers used do not interfere with the flushing mechanism.
- Take short showers with the water turned up only as much as necessary. Turn the shower off while soaping up or shampooing. Install low flow showerheads and/or other flow restriction devices.
- Do not let the water run while shaving or brushing your teeth. Fill the sink or a glass instead.

Opportunities to conserve water also exist in other areas of the home:

- When doing laundry, make sure you always wash a full load or adjust the water level appropriately. Most machines use 40 gallons or more for each load, whether it is two socks or a week's worth of clothes.
- Repair all household leaks. Even a minor slow drip can waste up to 15 to 20 gallons of water a day.
- Know where your main shutoff valve is and make sure that it works. Shutting the water off yourself when a pipe breaks or a leak occurs will not only save water, but also eliminate or minimize damage to your personal property.
- Keep a jar of water in the refrigerator for a cold drink instead of running water from the tap until it gets cold. You are putting several glasses of water down the drain for one cold drink.

- Plug the sink when rinsing vegetables, dishes, or anything else; use only a sink full of water instead of continually running water down the drain.

The City has begun, and will continue to implement the following areas:

- Meter Replacement and Leak Detection
- Improved efficiency in irrigating City Parks and other Open Spaces
- Identification of high water uses and distributing informational packets to high water users
- Support programs which lend to plumbing fixture replacement.
- Continued training for City staff in effective water conservation strategies.

### **MONITORING AND EVALUATION**

Following adoption of this Conservation Plan, the Public Works Director or his designee will be responsible to coordinate the necessary tasks and monitor the impact of water conservation measures. Funding for implementation of this plan is part of the City's budget with funds derived from a combination of general funds, water enterprise funds, and impact fees.

Statistical data will be evaluated on a regular basis, not to exceed 12 month periods, and will consider the following information:

1. Water Production Capacity
2. Population and Number of Connections
3. Total water produced
4. Total water consumed
5. Evaluation of leaks and losses based on production/consumption
6. Water revenue
7. Review education progress
8. Other data contained in water planning and water utility documents.

A yearly summary should be prepared and presented to the Administration and City Council for their information and support.

### **PLAN UPDATES AND ADOPTION**

Updates should be considered by the City based upon the yearly information provided and adopted as needed.

# APPENDIX

**Tooele City Council  
Business Meeting Minutes**

**Date:** Wednesday, December 15, 2021

**Time:** 7:10 p.m.

**Place:** Tooele City Hall, Council Chambers  
90 North Main Street, Tooele, Utah

**City Council Members Present:**

Melodi Gochis

Ed Hansen

Justin Brady

Maresa Manzione

Tony Graf

**City Employees Present:**

Mayor Debbie Winn

Jim Bolser, Community Development Director

Adrian Day, Police Department Chief

Jamie Grandpre, Public Works Director

Roger Baker, City Attorney

Shannon Wimmer, Finance Director

Darwin Cook, Parks and Recreation Director

Paul Hansen, Tooele Engineer

Michelle Pitt, City Recorder

Minutes prepared by Katherin Yei

Chairwoman Gochis called the meeting to order at 7:15 p.m.

**1. Pledge of Allegiance**

The Pledge of Allegiance was led by Council Member Brady.

**2. Roll Call**

Tony Graf, Present

Melodi Gochis, Present

Ed Hansen, Present

Justin Brady, Present

Maresa Manzione, Present

**3. Presentation by Mayor Debbie Winn**



Mayor Winn asked Chairwoman Gochis to step forward to the podium. She recognized chairwoman Gochis for her years of service on the City Council and the Arts Council. She presented a special flag and certificate signed by the Governor and Lieutenant-Governor.

#### **4. Mayor's Youth Recognition Awards**

*Presented by Debbie Winn, Mayor & Stacy Smart, Communities That Care Supervisor*

Mayor Winn, Stacy Smart, and Chief Day presented the Mayor's Youth Recognition Awards to the following students:

Haven Jarvis  
Caden Latford

#### **5. Public Comment Period**

Tony Graf stated his gratitude for Chairwoman Gochis for her service and everything she has done for Tooele City.

#### **6. Public Hearing and Motion on Resolution 2021-116 A Resolution of the Tooele City Council Adopting Tooele City's Updated Water Conservation Plan**

*Presented by Jamie Grandpre, Public Works Director*

Mr. Grandpre stated he is bringing the Tooele City's Updated Water Conservation Plan for adoption. He stated the draft plan was submitted to the State and is pending approval from the City Council. He stated the comments that the City Council had given have put implemented. He stated some of those changes include, number three regarding the State-Wide Average, number six regarding the use of reclamation water, number nine regarding the expansion on water conservation from Jordan Valley Water, and number ten regarding the appendix about the added information from Utah Water Saver website.

Council Member Manzione stated her appreciation for the changes.

Council Member Brady asked how often it is updated.

Mr. Grandpre stated it is on a 5-year rotation.

Chairwoman Gochis opened the public hearing. No one came forward. Chairwoman Gochis closed the public hearing.

**Council Member Manzione motioned to approve Resolution 2021-116.** Council Member Hansen seconded the motion. The vote was as follows: Council Member Hansen, "Aye," Council Member Graf, "Aye," Council Member Brady, "Aye," Council Member Manzione, "Aye," Chairwoman Gochis, "Aye." The motion passed.

**7. Public Hearing and Motion on Ordinance 2021-40 An Ordinance of Tooele City Amending Table 2 of Chapter 7-16 of the Tooele City Code Regarding Allowable Building Heights Within (GC) General Commercial Zoning District**

*Presented by Jim Bolser, Community Development Director*

Mr. Bolser stated this item is applicant driven instead of City driven. He stated the application does have a concept plan included. The lot in question is an empty field on the corner of 1000 North. He stated the property owner has several applications for the site with the potential of hosting a hotel and having restaurants. He stated dealing with the matrix and the availability of hotel rooms, they have found most desirable to have a scale of 4 stories. He stated the City Council is aware that in table 2 of chapter 7-16 of development standards specified for GC zone. It has a maximum building height and a maximum of 4 stories and a minimum of 1 story. The applicant has submitted the application to change the building criteria from 50 to 65 feet, bringing the criteria to match and allow it to be built to 4 stories. He stated it has gone through a discussion with City Council and Planning Commission who has held their own public hearing and forwarded a unanimous positive recommendation. He stated part of the Planning Commission discussion, they asked for another discussion on other parts in the tables.

Council Member Hansen had asked for

Mr. Bolser stated they have an obligation to respond to the application, but the staff will pursue the other columns in the near future.

Chairwoman Gochis opened the public hearing.

Shane Smoot stated he represents the applicant. He stated they are proposing a hotel and restaurants near 200 west and 1000 north. He stated they are in discussion with midlevel, high quality hotels. When developing a hospitality, they feel it is important to have an inviting feel. He stated when they have to squeeze four stories, it does not give it a good feeling. He stated to do a quality job, they need the 65 feet. It is a positive thing for the community and invites a higher quality product into the City.

**Council Member Brady motioned to adopt Ordinance 2021-40.** Council Member Manzione seconded the motion. The vote was as follows: Council Member Hansen, "Aye," Council Member Graf, "Aye," Council Member Brady, "Aye," Council Member Manzione, "Aye," Chairwoman Gochis, "Aye." The motion passed.

**8. Resolution 2021-110 A Resolution of the Tooele City Council Approving an Agreement with Ace Recycling and Disposal for Collection, Transportation, and Disposal of Residential Refuse and Recyclable Materials**

*Presented by Shannon Wimmer, Finance Director*

Ms. Wimmer stated the Resolution is to renew the contract for Residential Refuse and Recyclable Materials. She stated it is a 3-year contract that starts January 1<sup>st</sup> and will go through 2024.

Council Member Manzione stated rates are different than rates of participation and asked for those numbers.

Ms. Wimmer stated she will email the information.

Mayor Winn stated the contract is to take the recyclable materials to the recycle. They contract with Rocky Mountain Recycling but that contract will expire soon and they will put it out for bid.

Council Member Graf stated he has never read the word putrescible.

Council Member Hansen asked for the definition.

Mr. Baker stated it means capable of rotting

**Council Member Hansen motioned to approve Resolution 2021-110.** Council Member Brady seconded the motion. The vote was as follows: Council Member Hansen, "Aye," Council Member Graf, "Aye," Council Member Brady, "Aye," Council Member Manzione, "Aye," Chairwoman Gochis, "Aye." The motion passed.

**9. Resolution 2021-111 A Resolution of the Tooele City Council Acknowledging the Mayor's Appointments of Tyson Hamilton, Eugene Smith, and Melodi Gochis to the Planning Commission**

*Presented by Debbie Winn, Mayor*

Mayor Winn stated the resolution is to bring appointment of the Planning Commission. The City Charter stated four people are appointed by the Mayor and three by the City Council with an alternate for each. She stated it is a great way for the community to get involved. She wants to reappoint Tyson Hamilton, appoint the alternate Eugene Smith, and Melodi Gochis.

Chairwoman Gochis asked if she needs to recuse herself from voting.

Mr. Baker stated she does not, because they are not voting to approve or consent to the Mayor's appointments, but are voting simply to acknowledge appointments the Mayor has already made.

**Council Member Graf motioned to approve Resolution 2021-111 A Resolution of the Tooele City Council Acknowledging the Mayor's Appointments of Tyson Hamilton, Eugene Smith, and Melodi Gochis to the Planning Commission.** Council Member Hansen seconded the motion. The vote was as follows: Council Member Hansen, "Aye," Council Member Graf, "Aye," Council Member Brady, "Aye," Council Member Manzione, "Aye," Chairwoman Gochis, "Aye." The motion passed

Mayor Winn shared her appreciation for Shauna Bevan for her service on the Planning Commission.

**10. Resolution 2021-112 A Resolution of the Tooele City Council Appointing Chris Sloan and Weston Jensen to the Planning Commission**

*Presented by Melodi Gochis, Council Chair*



Chairwoman Gochis stated Weston Jensen was an alternate on the Planning Commission and Chris Sloan who has been a part of the Planning Commission for a while are two of whom they will appoint.

Council Member Hansen stated they have been doing a great job.

Chairwoman Gochis asked how long Commission Sloan as been apart of the committee. Council Member Manzione stated he has been a part of the Planning Commission since 2011.

**Council Member Manzione motioned to approve Resolution 2021-112 A Resolution of the Tooele City Council Appointing Chris Sloan and Weston Jensen to the Planning Commission.** Council Member Brady seconded the motion. The vote was as follows: Council Member Hansen, "Aye," Council Member Graf, "Aye," Council Member Brady, "Aye," Council Member Manzione, "Aye," Chairwoman Gochis, "Aye." The motion passed.

Chairwoman Gochis stated they are accepting application for the vacancy of the remaining seat.

**11. Resolution 2021-113 A Resolution of the Tooele City Council Authorizing the Tooele City Purchasing Agent to Dispose of Surplus Personal Property (Dump Trucks)**

*Presented by Michelle Pitt, City Recorder*

Ms. Pitt stated the Tooele City purchasing policy states when goods are deemed surplus, outdated, or no longer needed by a department, the purchasing agent will recommend the transfer or disposal of the goods. She stated the Public works department has four dump trucks that have been replaced and asking to be disposed through live auction. She asked the Council to declare them surplus.

Council Member Manzione stated it is great supporting documentation.

Council Member Hansen stated he is a mechanic and it is great to see them use the trucks to their full potential.

Chairwoman Gochis stated her appreciation for Scott Miller for keeping those intact and moving.

**Council Member Brady motioned to approve Resolution 2021-113.** Council Member Hansen seconded the motion. The vote was as follows: Council Member Hansen, "Aye," Council Member Graf, "Aye," Council Member Brady, "Aye," Council Member Manzione, "Aye," Chairwoman Gochis, "Aye." The motion passed.

**12. Resolution 2021-114 A Resolution of the Tooele City Council Authorizing the Tooele City Purchasing Agent to Dispose of Surplus Personal Property (Forklift)**

*Presented by Michelle Pitt, City Recorder*

Ms. Pitt stated the property is from the Park's Department. It consists of a 1992 forklift that has been replaced. She stated with the parts being difficult and impossible to find, they are asking it to be declared surplus and disposed of through live auction.

**Council Member Hansen motioned to approve Resolution 2021-114.** Council Member Graf seconded the motion. The vote was as follows: Council Member Hansen, "Aye," Council Member Graf, "Aye," Council Member Brady, "Aye," Council Member Manzione, "Aye," Chairwoman Gochis, "Aye." The motion passed.

**13. Resolution 2021-115 A Resolution of the Tooele City Council Approving an Agreement with J-U-B Engineers for the Water Reclamation Facility New Headworks Building Design**  
*Presented by Jamie Grandpre, Public Works Director*

Mr. Grandpre stated the resolution is for design services for the Water Reclamation Facility. He stated corrosion has taken its toll on the building and the equipment. He stated with the new facility they will have new equipment, new grit screen equipment, flow channels for liability and resiliency, operation and maintenance, reduce corrosion on building, and enhance and protect the headworks. He stated they have looked at engineers to handle the task and have confidence in J-U-B with a quick turn-around. He stated the resolution is to approve the agreement with J-U-B for the design.

Council Member Hansen asked what the estimated cost is.

Mr. Grandpre stated 4 million dollars was estimated but will ask for an additional of .6 million for additional costs.

Council Member Hansen asked what the contract states.

Mr. Grandpre stated \$396,000.

Council Member Graf asked if it went to bid.

Mr. Grandpre stated with engineers on retainer they went off of list, they have Aqua and J-U-B.

Council Member Brady asked if they applied for grants.

Mayor Winn stated they have not, but they will come back to ask for ARPA funds. She asked for a time line.

Mr. Grandpre stated it will take 9-12 months for design.

Council Member Brady asked if there are any additional funds they can apply for.

Mayor Winn stated they will keep looking.

Chairwoman Gochis stated her appreciation. It is an expense that they need to prepare for.

Mayor Winn stated the engineering firm will also be looking for grants and additional funds.

**Council Member Manzione motioned to approve Resolution 2021-115 for the agreement with J-U-B Engineers for the Water Reclamation Facility New Headworks Building Design.**

Council Member Hansen seconded the motion. The vote was as follows: Council Member Hansen, "Aye," Council Member Graf, "Aye," Council Member Brady, "Aye," Council Member Manzione, "Aye," Chairwoman Gochis, "Aye." The motion passed.

**14. Resolution 2021-118 A Resolution of the Tooele City Council Consenting to the Mayor's Appointment of Macy Wellman, Paul Smart, Albert Bottema and Jeff Saunders to the Tooele City Historic Preservation Commission**

*Presented by Jared Stewart, Economic Development Coordinator*

Mr. Stewart stated there has been a turnover of the commission, but is important to have the commission to get grants. He stated their purpose is to survey and inventory community resources, provide advice on two city officials, and enforce Utah historic laws. He stated they meet two times per year.

Chairwoman Gochis asked how long the appointment is for.

Mr. Stewart stated he does not believe there is a time frame in the City Code because it is a volunteer position.

Chairwoman Gochis stated they should report back to the Council.

Council Member Graf stated he loves it and thinks it is important because Tooele has a lot of history. He stated his excitement.

Mr. Stewart stated it will be a great addition to the Down Town Alliance, especially for grants.

Chairwoman Gochis asked if any of the appointees are here.

Mr. Stewart stated he did not inform them of the meeting.

**Council Member Graf motioned to approve Resolution 2021-118, A Resolution of the Tooele City Council Consenting to the Mayor's Appointment of Macy Wellman, Paul Smart, Albert Bottema and Jeff Saunders to the Tooele City Historic Preservation Commission.** Council Member Brady seconded the motion. The vote was as follows: Council Member Hansen, "Aye," Council Member Graf, "Aye," Council Member Brady, "Aye," Council Member Manzione, "Aye," Chairwoman Gochis, "Aye." The motion passed.

**15. Resolution 2021-119 A Resolution of the Tooele City Council Adopting the 2021 Pre-Disaster Mitigation Plan**

*Presented by Jared Stewart, Economic Development Coordinator*

Mr. Stewart stated this plan is Tooele County's plan, but has a section to prepare for disasters for Tooele City, data in packet for risks and strategies, a cost estimate, and priority of strategies. He stated there are many things the City is already doing. The packet will be hyper linked for anyone to review online and easily navigate.



Mr. Whitehouse stated the project took 25 months from start to completion to make sure the strategies and risks were well represented. He stated mid-January a virtual plan will be available to click on. He stated the plan was approved as long as it gets approved through the Council. It is good for 5 years or until the staff or council needs to amend it.

Chairwoman Gochis stated her appreciation for the plan. She stated disaster can happen when least expecting it.

**Council Member Hansen motioned to approve Resolution 2021-119.** Council Member Brady seconded the motion. The vote was as follows: Council Member Hansen, "Aye," Council Member Graf, "Aye," Council Member Brady, "Aye," Council Member Manzione, "Aye," Chairwoman Gochis, "Aye." The motion passed.

Mayor Winn stated her appreciation for Mr. Whitehouse for putting it together and getting it pushed through. She stated they received grant suggestion from Mr. Whitehouse for the emergency generators.

**16. Subdivision Plat Amendment for the Ninigret Depot Subdivision #2 Subdivision Plat Amendment Request by the Tooele County School District to Subdivide the approximately 57.99-Acre Lot 103 of the Utah Industrial Depot Subdivision #1 Generally Located at 101 South Industrial Loop Road into 4 Lots in the (i) Industrial Zoning District**

*Presented by Jim Bolser, Community Development Director*

Mr. Bolser stated the Tooele County School District is in process to build a new transportation facility. He stated they have identified a site that is adjacent to the district offices. It would be lot 103 of the Ninigret Depot. He stated lot 103 is East of Industrial Road. The Zoning is I, Industrial as well as the surrounding properties. He stated the lot will be divided into four-lots one in which the vehicle-storage will be apart of. He stated the application has been heard by Planning Commission and forwarded a unanimous positive recommendation.

Dave Gamuseo, represents Tooele County School District, stated a clarification is the northwest lot and the surrounding lot is the proposed transportation site.

**Council Member Manzione motioned to approve Subdivision Plat Amendment for the Ninigret Depot Subdivision #2 Subdivision Plat Amendment Request by the Tooele County School District.** Council Member Graf seconded the motion. The vote was as follows: Council Member Hansen, "Aye," Council Member Graf, "Aye," Council Member Brady, "Aye," Council Member Manzione, "Aye," Chairwoman Gochis, "Aye." The motion passed.

**17. Minutes**

Wednesday November 17, 2021 Council Work and Business Meetings

Wednesday December 1, 2021 Council Work and Business Meetings

There are no changes to the minutes.

**Council Member Brady motioned to approve Minutes.** Council Member Hansen seconded the motion. The vote was as follows: Council Member Hansen, "Aye," Council Member Graf, "Aye," Council Member Brady, "Aye," Council Member Manzione, "Aye," Chairwoman Gochis, "Aye." The motion passed

### 17. Invoices

Ms. Pitt presented the following invoices:

Turf Equipment & Irrigation for golf utility work vehicles in the amount of \$39,812.92.

Electro Power Utah LLC for cabinets at the wastewater plant in the amount of \$31,210.00.

Kilgore for storm drain work at Aaron Drive and 40 East in the amount of \$33,034.20.

Council Member Hansen asked what the vehicles were for.

Mr. Cook stated they are specialized trucks for maintenance on the golf course.


**Council Member Hansen motioned to approve invoices.** Council Member Manzione seconded the motion. The vote was as follows: Council Member Hansen, "Aye," Council Member Graf, "Aye," Council Member Brady, "Aye," Council Member Manzione, "Aye," Chairwoman Gochis, "Aye." The motion passed.

### 18. Adjourn

Chairwoman Gochis adjourned the meeting at 8:22pm.

*The content of the minutes is not intended, nor are they submitted, as a verbatim transcription of the meeting. These minutes are a brief overview of what occurred at the meeting.*

Approved this 5<sup>th</sup> day of January, 2022

  
~~Justin Hansen, City Council Vice Chair~~  
Justin Brady, Council Chair



**TOOELE CITY CORPORATION**

**RESOLUTION 2021-116**

**A RESOLUTION OF THE TOOELE CITY COUNCIL ADOPTING TOOELE CITY'S  
UPDATED WATER CONSERVATION PLAN.**

WHEREAS, Tooele City is required by the Utah Water Conservation Plan Act (Utah Code Section 73-10-32, copy attached hereto as Exhibit A) to update its Water Conservation Plan (hereinafter the "Plan") every five years; and,

WHEREAS, the proposed Updated Plan, attached hereto as Exhibit B, will supplement information contained in the City's existing planning documents; and,

WHEREAS, the City Administration continues its support for water conservation measures within the City; and,

WHEREAS, the proposed Updated Plan outlines goals and objectives which will enable the City to maintain a financially viable water system while reducing water consumption:

NOW, THEREFORE, BE IT RESOLVED BY THE TOOELE CITY COUNCIL that the Updated Tooele City Water Conservation Plan attached hereto as Exhibit B is hereby adopted.

This Resolution shall become effective upon passage, without further publication, by authority of the Tooele City Charter.

IN WITNESS WHEREOF, this Resolution is passed by the Tooele City Council this  
15<sup>th</sup> day of December, 2021.

TOOELE CITY COUNCIL

(For)

(Against)

Wahy

\_\_\_\_\_

Tommy

\_\_\_\_\_

Melodi Otchis

\_\_\_\_\_

Justin Brady

\_\_\_\_\_

Stan Ha

\_\_\_\_\_

ABSTAINING: \_\_\_\_\_

MAYOR OF TOOELE CITY

(Approved)

(Disapproved)

Debra E. Walker

\_\_\_\_\_

ATTEST:

Michelle Y. Pitt  
Michelle Y. Pitt, City Recorder



Approved as to Form:

Roger Evans Baker  
Roger Evans Baker, Tooele City Attorney

## MEMORANDUM

To: Administration and City Council  
From: Paul Hansen, P.E., City Engineer  
Date: December 7, 2021  
RE: "DRAFT" Water Conservation Plan (Revision 1)

---

The following corrections / additions have been made to the "Draft" Water Conservation Plan (Revision 1) following final review and comments provided by the City Council in the Work Meeting held on December 1, 2021.

1. It was noted that some of the figures shown in the original draft had been resized and, as a result, did not correctly show corresponding trend lines. These figures and the corresponding trend lines have been corrected.
2. Table 2 has been completed to show the total number of Equivalent Residential Connections (ERCs).
3. Page 8. The Statewide average for gallons per capita per day (gpcd) has been corrected to 221 to match information provided in the current "Draft" State Water Plan. The 260 gpcd value previously reported was correct from the 2015 report.
4. Page 13, paragraph 2A was expanded to clarify that this section refers to identification of leaks on the user side of the water meter.
5. Page 14, paragraph 2F was expanded to clarify that this section refers to identification of leaks on the City water mains.
6. Page 15, Paragraph 2G was added to more fully address use of reclamation water within the northwest quadrant of the City.
7. Page 16. The paragraph following Figure 7 was modified to read that the anticipated annual water savings by the year 2041 is 568 acre feet, and 1,370 acre feet by the year 2061. Table 5 was then clarified to represent the cost savings for the twenty year period.
8. Page 17. The 7<sup>th</sup> bullet listed under Outdoor Water User was modified to reference the *Utah Water Savers* website for information related to existing State water conservation programs and rebates for toilet replacement, Smart Controller Rebates, *Localscape* Rewards, and "Flip Your Strip."
9. Page 18. The bullet at the top of the page was modified to expand on water conservation information available from the Jordan Valley Water Conservancy District webpage.
10. Appendix. Information found on the *Utah Water Savers* and the *Jordan Valley Water Conservancy District* has been included within the Appendix. Additional information is available by following the noted web links.
11. Non substantive text and grammar edits were performed.

A copy of the "Draft" water conservation plan update was submitted to the State Division of Natural Resources for their review, and has been found to be in compliance with State Rules, and "[c]learly states overall education goals and practices in place to get there in five years."

EXHIBIT A

UCA 73-10-32

**73-10-32 Definitions -- Water conservation plan required.**

(1) As used in this section:

- (a) "Board" means the Board of Water Resources created under Section 73-10-1.5.
- (b) "Division" means the Division of Water Resources created under Section 73-10-18.
- (c) "Retail" means the level of distribution of culinary water that supplies culinary water directly to the end user.
- (d) "Retail water provider" means an entity which:
  - (i) supplies culinary water to end users; and
  - (ii) has more than 500 service connections.
- (e) "Water conservancy district" means an entity formed under Title 17B, Chapter 2a, Part 10, Water Conservancy District Act.
- (f) "Water conservation plan" means a written document that contains existing and proposed water conservation measures describing what will be done by retail water providers, water conservancy districts, and the end user of culinary water to help conserve water and limit or reduce its use in the state in terms of per capita consumption so that adequate supplies of water are available for future needs.

(2)

- (a) Each water conservation plan shall contain:
  - (i) a clearly stated overall water use reduction goal and an implementation plan for each of the water conservation measures it chooses to use, including a timeline for action and an evaluation process to measure progress;
  - (ii) a requirement that each water conservancy district and retail water provider devote part of at least one regular meeting every five years of its governing body to a discussion and formal adoption of the water conservation plan, and allow public comment on it;
  - (iii) a requirement that a notification procedure be implemented that includes the delivery of the water conservation plan to the media and to the governing body of each municipality and county served by the water conservancy district or retail water provider; and
  - (iv) a copy of the minutes of the meeting and the notification procedure required in Subsections (2)(a)(ii) and (iii) which shall be added as an appendix to the plan.
- (b) A water conservation plan may include information regarding:
  - (i) the installation and use of water efficient fixtures and appliances, including toilets, shower fixtures, and faucets;
  - (ii) residential and commercial landscapes and irrigation that require less water to maintain;
  - (iii) more water efficient industrial and commercial processes involving the use of water;
  - (iv) water reuse systems, both potable and not potable;
  - (v) distribution system leak repair;
  - (vi) dissemination of public information regarding more efficient use of water, including public education programs, customer water use audits, and water saving demonstrations;
  - (vii) water rate structures designed to encourage more efficient use of water;
  - (viii) statutes, ordinances, codes, or regulations designed to encourage more efficient use of water by means such as water efficient fixtures and landscapes;
  - (ix) incentives to implement water efficient techniques, including rebates to water users to encourage the implementation of more water efficient measures; and
  - (x) other measures designed to conserve water.
- (c) The Division of Water Resources may be contacted for information and technical resources regarding measures listed in Subsections (2)(b)(i) through (2)(b)(x).

(3)

- (a) Before April 1, 1999, each water conservancy district and each retail water provider shall:

- (i)
  - (A) prepare and adopt a water conservation plan if one has not already been adopted; or
  - (B) if the district or provider has already adopted a water conservation plan, review the existing water conservation plan to determine if it should be amended and, if so, amend the water conservation plan; and
- (ii) file a copy of the water conservation plan or amended water conservation plan with the division.
- (b) Before adopting or amending a water conservation plan, each water conservancy district or retail water provider shall hold a public hearing with reasonable, advance public notice.
- (4)
  - (a) The board shall:
    - (i) provide guidelines and technical resources to retail water providers and water conservancy districts to prepare and implement water conservation plans;
    - (ii) investigate alternative measures designed to conserve water; and
    - (iii) report regarding its compliance with the act and impressions of the overall quality of the plans submitted to the Natural Resources, Agriculture, and Environment Interim Committee of the Legislature at its meeting in November 2004.
  - (b) The board shall publish an annual report in a paper of state-wide distribution specifying the retail water providers and water conservancy districts that do not have a current water conservation plan on file with the board at the end of the calendar year.
- (5) A water conservancy district or retail water provider may only receive state funds for water development if they comply with the requirements of this act.
- (6) Each water conservancy district and retail water provider specified under Subsection (3)(a) shall:
  - (a) update its water conservation plan no less frequently than every five years; and
  - (b) follow the procedures required under Subsection (3) when updating the water conservation plan.
- (7) It is the intent of the Legislature that the water conservation plans, amendments to existing water conservation plans, and the studies and report by the board be handled within the existing budgets of the respective entities or agencies.

Amended by Chapter 329, 2007 General Session

## EXHIBIT B

### Water Conservation Plan Updated December 2021

# PROOF OF PUBLICATION

STATE OF UTAH }  
County of Tooele } SS.

## PUBLIC NOTICE

Notice is Hereby Given that the Tooele City Council will meet in a Business Meeting on Wednesday, December 15, 2021, at the hour of 7:00 p.m. The meeting will be held at the Tooele City Hall Council Chambers, located at 90 North Main Street, Tooele, Utah.

We encourage you to join the City Council meeting electronically by logging on to the Tooele City Facebook

page at <https://www.facebook.com/tooelecitey>. If you are attending electronically and would like to submit

a comment for the public comment period or for a public hearing item, please email [cmpubliccomment@tooelecitey.org](mailto:cmpubliccomment@tooelecitey.org) any time up until the start of the meeting. Emails will be read at the designated points in the meeting.

1. Pledge of Allegiance
2. Roll Call
3. Presentation by Mayor Debbie Winn
4. Mayor's Youth Recognition Awards

Presented by Debbie Winn, Mayor & Stacy Smart, Communities That Care Supervisor

5. Public Comment Period
6. Public Hearing and Motion on Resolution 2021-116 A Resolution of the Tooele City Council Adopting Tooele City's Updated Water Conservation Plan

Presented by Jamie Grandpre, Public Works Director

7. Public Hearing and Motion on Ordinance 2021-40 An Ordinance of Tooele City Amending Table 2 of Chapter 7-16 of the Tooele City Code Regarding Allowable Building Heights Within (GC) General Commercial Zoning District

Presented by Jim Bolser, Community Development Director

8. Resolution 2021-110 A Resolution of the Tooele City Council Approving an Agreement with Ace Recycling and Disposal for Collection, Transportation, and Disposal of Residential Refuse and Recyclable Materials


Presented by Shannon Wimmer, Finance Director

9. Resolution 2021-111 A Resolution of the Tooele City Council

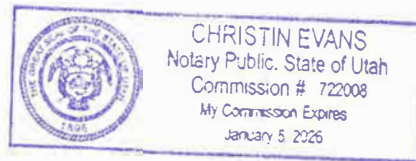
I, Scott C. Dunn, being first duly sworn, depose and say that I am the Publisher of the Tooele Transcript-Bulletin, a twice-weekly newspaper of general circulation published each Tuesday and Thursday at Tooele City, Tooele County, Utah; that the notice attached hereto and which is a part of the proof of publication of

Public Notice  
Tooele City Council

was published in said newspaper for one issue(s), the first publication having been made on the 14th day of December, 2021, and the last on the 14th day of December, 2021; that said notice was published in the regular and entire issue of every Tuesday edition of the newspaper during the period and time of publication, and the same was published in a newspaper proper and not in a supplement. Said notice was also placed online at [www.utahlegals.com](http://www.utahlegals.com).

  
Scott C. Dunn

Subscribed and sworn to me this 1st day of April, 2022.



  
Notary Public

TOOELE **TRANSCRIPT**  
**BULLETIN**