

KINGSTON TOWN MINUTES

Wednesday February 17, 2022

Kingston Town Board Meeting was called to order at 7:00 pm. Present were Mayor Bill Sudweeks, Brent Jessen, Shannon Gleave, Kali Gleave, Jeremy Pearson, and Mike Millett. Also in attendance were several from the community.

The Prayer was offered by Mayor Sudweeks and the Pledge of Allegiance was led by Mayor Sudweeks.

To start the meeting Clerk Gleave informed all in attendance that Trevor Barnson had called and rescinded his proposal.

Mayor Sudweeks would like to go over the current Water Plan that we just had Ensign Engineering put together for us. The executive Summary from this plan was handed out. Mayor Sudweeks summarized this. Mayor Sudweek's plan was all received from the master plan.

Len Mills made a few comments concerning when he was mayor.

Mayor Sudweeks informs all that Kingston Town is not using a lot of their water rights. He also commented on the lease deal that we have with Morgan Dairies. They pay \$7500 a year to lease water from Kingston. This money goes toward paying off the water loans that Kingston Town has. We had 3 loans and have paid 2 loans off. There is 1 remaining. We would not have been able to pay these off early without these funds.

Mayor Sudweeks discussed the proposal that had been discussed in the February 9th meeting.

Mandy Brindley made comments, as well as board member Mike Millett.

Clayton Gleave addressed the board. He had a conversation with Trevor Barnson and Trevor agrees to putting a pressurized meter device on the line.

Stanton Gleave, a member of the public, commented that he knows if you don't use irrigation water you can lose it. He is not sure how it works with town water but we do not want to lose our water rights.

The town has to maintain pressure at 40.

After the meeting on the 9th Rich Lauby took some water pressure readings. At Morgan Hoyt's house it was 52. At his house it was 65. At Jan and Melissa Gleave's house it was 28. However, this is an elevation issue. Clerk Gleave talked about the houses under 40. When residents initially obtained meters from the town they were informed that there would be a pressure problem if building on a hill. They are more than welcome to put in a pump. This leaves the town

Rich Lauby addressed the room and thanked everyone for coming. A petition was put together after the last meeting going against the water proposal. He says this was done because they were uneducated.

EXECUTIVE SUMMARY

Introduction

Kingston Town is a rural community located in Piute County, Utah. Kingston has a population of 182 people according to the most recent census data (GOMB 2010 census and growth projections). Kingston Town provides culinary water for approximately 85 residential and 7 stock connections. All connections utilize culinary water for indoor use. Approximately 90% of the residential connection use secondary water for outdoor use. This document will discuss the existing system and make recommendations for the system to meet State requirements and future needs of the community.

Use of this Water Master Plan Report

This master plan document and the calculations included were performed using known and accepted methods. Actual information (usage numbers, water rate fees, population baselines) were used when available. If such information was not found, engineering estimates and assumptions were made. All such estimates or assumptions are duly noted throughout the document. Estimated figures are specific to the region, Piute County, and water systems of comparable size within the region.

It is anticipated that this master plan document will be used as a prominent planning tool when considering the future growth of Kingston Town. The information herein will allow Kingston to be informed and aware of the current overall functionality of their culinary water system and of any existing deficiencies.

Sources & Facilities

Kingston owns a single well that was developed in 1993 and produces 125 gallons per minute. Kingston also owns a spring that produce approximately 25 gallons per minute. The well is used as a supplemental source to the spring and during peak months. The combined source production between the well and spring is 150 gallons per minute.

Kingston Town owns water rights for 0.35 cfs or 253.39 acre-feet of water.

Kingston Town owns a single 0.25-million gallon concrete tank. The tank is located south east of town at an elevation of 6,183.78 at the tank lid. The tank was constructed in 2002.

Water is delivered to the water tank from the springs through 14,570 liner feet of 4" supply pipe. Water is delivered from the tank to Kingston residents through 446 liner feet of 12" and 572 liner feet of 10" diameter transmission pipe along main street. The total length of transmission line is 1,018 liner feet. The distribution system consists of 2,466 liner feet of 10", 13,813 liner feet of 8", 3,982 liner feet of 6", 1,975 liner feet of 4", and 8,970 liner feet of 2" diameter pipes. The

Kingston Town
Water Master Plan Report-2021

analyzed on the existing system for existing demands and future demands. These scenarios were also analyzed for the proposed improvements to the system with future demands.

The results of the model were calibrated with existing pressure and flow data from recent fire hydrant tests and other information provided by the system operator. The results of the model show that the water system meets Peak Day and Peak Instantaneous Pressures, but does not meet Fire Flow in throughout the system.

Proposed System Improvements

Kingston Town currently meets the State requirements for peak day demand for source production. However, the collection boxes at the springs have not been redeveloped or improved since they were installed over 50 years ago. Given the current climate patterns and drought conditions Utah has been experiencing over the past 5 years, it is recommended that the Town invest in redeveloping their springs to shore up their spring production in the years to come.

Kingston Town is currently nearing the State requirement for peak day plus fire flow storage demands. It is recommended that the Town construct a new 0.30-million-gallon concrete tank.

Kingston Town is currently providing proper peak day and peak instantaneous pressures, while fire flow is lacking throughout the system. To address the poor fire flows, it is recommended that Kingston Town install approximately 3,025 feet of 10-inch diameter pipe to connect the existing pipes on Center Street and Church Farm Rd. It is also recommended that the Town install approximately 2,200 feet of 8-inch diameter pipe from the existing tank to the residents near Old Mill Rd which currently does not have any fire protection

Kingston Town currently reads meters monthly during summer months. Water usage over winter months is averaged over the six-month period. It recommended that the Town install auto-read meters at every service connection to better record usage and collect revenues for overages. Over the past three years, the State has been pushing municipalities to install meters to better document peak day usage. To do this it is recommended that the Town install a meter downstream of the existing tank to better measure the peak day usage.

Water Conservation

Utah has a goal of reducing the total per capita usage 25%. The total current per capita use for Kingston Town is 175.8 gallons/day (total use). This value is 5% higher than the average state usage of 167 gpd per capita. In order to reduce per capita water, use in the future, Kingston should consider further indoor and outdoor conservation practices. This can be accomplished through education and promotion of best management practices for both indoor and outdoor use.

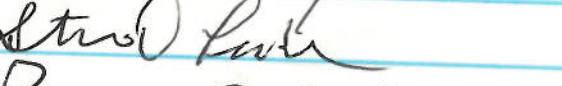
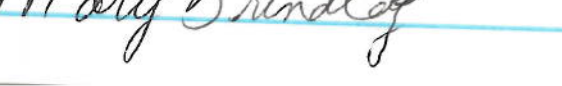
PETITION TO NOT CONNECT THE BARNSON WATER LINE

PETITION AGAINST THE REQUEST FROM TREVOR BARNSON TO CONNECT TO THE KINGSTON TOWN WATER SYSTEM WITH TWO MILES OF FOUR INCH PIPE WITH EIGHT METERS. SYSTEM WILL BE USED TO WATER 550 HEAD OF CATTLE IN CIRCLEVILLE. CONSUMPTION OF 11500 TO 16500 GALLONS OF WATER PER DAY.

WE THE UNDERSIGNED ARE CONCERNED KINGSTON CITIZENS WHO URGE OUR LEADERS TO ACT NOW TO NOT AUTHORIZE THE BARNSON WATER CONNECTION TO THE KINGSTON CULINARY WATER SYSTEM IN CIRCLEVILLE.

SIGNATURE:

DATE:

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2-11-2022



2-11-2022

SIGNATURE:

DATE:

9 Howard E. Benson

10 Ken Christiansen

11 Len Mills

12 Deanna Mills

13 L. Andre Mallett

14 Sherry L. Mallett

15 Ron Ackerman

16 Shana Ackerman

17 Liz Jess

18 Lurber Jess

19 ~~[Signature]~~20 ~~[Signature]~~

21 Gary Allen

22 Margaret Allen

23 Joan Sakkebaek

24 Kathy Atay

25 Maryann Hoyt

26 Kelly Hoyt

27 Keltan Price

28 Melanee Anderson

29 Muel Anderson

30 Jan Blease

31 Ryan Brimms

32 Wandy Bradley

33 Victor Mitchell

2-11-2022

2-11-2022

2-12-2022

2-12-2022

SIGNATURE

DATE

34 Sharon Allen

2-13-2022

35 ~~to~~ Tony

36 Tony [signature]

37 Mary Gleason

38 Cathy Millett

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2-13-2022