

1 **MINUTES OF THE SPRINGVILLE CITY WATER BOARD**

2
3 Tuesday, October 14, 2014

4 6:30 a.m.

5 110 South Main Street

6 Springville, Utah 84663



7
8
9 **ATTENDANCE**

10
11 Councilmember
12 Richard Child

Secretary
Marcie Clark

13
14 Board Members
15 Alton Beck
16 Nile Hatch
17 Calvin Crandall, absent
18 Rollin Hotchkiss
19 Rod Andrew
20 Bernell Hutchings, excused

City Staff
Brad Stapley – Public Works Director
Shawn Barker – Water Superintendent

21
22 The minutes from the September 9, 2014 meetings were reviewed. Mr. Beck made the motion to approve the
23 minutes. Mr. Hatch seconded. All were in favor.

24
25 Mr. Hotchkiss commented on last month’s meeting with Mike Miles from Central Utah Water Conservancy District.
26 He would like to continue talking about Hobbles Creek next month and recommend something to City Council.

27
28 Mr. Stapley gave an update on the pressurized irrigation pipeline project. Last week J-U-B Engineers told the City
29 that the project is about \$860,000 over budget from the nine million dollars. Mr. Stapley asked them to go back and
30 review their numbers and do some value engineering. They found some errors in their spreadsheet, which lowered it
31 by about \$250,000. It doesn’t include any meters or public involvement. We’re looking at the possibility of selling
32 SUVMWA water to Central Utah Water to help fund the rest of the project. That would be a Water Board action.
33 We may just ask for more money from Lee Wimmer with Central Utah Water Conservancy District. There are many
34 things to look at to reduce the cost. The largest cost will be pipe itself. We’re looking at bringing the pipeline
35 thicknesses down as well as adjusting the trench depth and fill material. We will also need to form a Pressurized
36 Irrigation (PI) Utility and the Water Board will be involved in coming up with rates for the PI water. Mr. Barker will
37 be looking at staffing for that utility. We anticipate the PI will be up and running by the summer of 2016.

38
39 Mr. Beck asked how Springville City is prepared to handle water main breaks similar to the recent breaks in Salt
40 Lake City and Saratoga Springs. Mr. Barker and Mr. Stapley briefly explained the protocol for water break
41 emergencies.

42
43 Mr. Stapley gave a brief explanation of a current project going on where contractors are installing a 16” water line
44 from the Hobbles Creek Tanks down to Bartholomew Pond to replace the current 16” steel water line in Canyon Road
45 that is falling apart.

46
47 Mr. Stapley reviewed the Analysis report prepared by Hansen, Allen & Luce, Inc. (HAL). This report shows how the
48 water system works. Mr. Stapley read the paragraph found on page 1-2, which explains the analysis approach. There
49 has to be a balance between water quality, system performance and energy efficiency. This analysis is very different
50 from the static model that HAL did before. Mr. Stapley referenced page II-1 which talks about geocoding – taking
51 actual uses (street addresses) into the model where they are happening. He explained how the summer diurnal curve
52 will change once PI comes onto the system. The revenue in the water system will go down, but the PI revenues will
53 go up. Mr. Hotchkiss asked why the City didn’t have HAL include the anticipated pressurized irrigation use. Mr.
54 Stapley stated he didn’t ask them to, but probably should have. Mr. Hotchkiss also asked about peak days and
55 capacity for distributing water. Mr. Stapley said the report addresses that somewhere. He’ll have to research it and
56 get back to Mr. Hotchkiss on that.

November 4, 2014
Approved

1 The Table III-1 Existing Energy Cost and Capacity for Each Source was reviewed. Mr. Stapley was surprised at the
2 energy costs of the 1000 S Well and Burt Springs. Mr. Barker explained what was happening in those locations and
3 the reasons behind the costs. At 1000 South Well, we have a flow control valve there and the pump is capable of
4 pumping more water than we can. Because of that, we're basically throttling that valve and making the pump work
5 extra hard. We have used that well very little this summer. With the Burt Springs pump, we recently worked out a
6 trade with Springville Irrigation Company where we could pump a little more water out of there. Prior to that, the
7 water department found a gate valve that was almost completely broken off. It was throttled, only letting about 700-
8 800 gpm through the valve. A VFD (variable frequency drive) was installed, which allows us to capture more water
9 and be more energy efficient.

10
11 Mr. Stapley reviewed a potential \$15,000/year savings to make changes to the JURG pump station. Replacing the
12 pump would cost around \$6,000. We could lower the cost from \$135 per acre foot to \$28 per acre foot. The payback
13 would only be a year. The Water Department will be looking at that change soon.

14
15 Mr. Barker explained the potential for chlorination stations or booster stations to keep the levels up. We're currently
16 meeting state regulations, but we're not able to supply the chlorine residual that Nestles likes for their production.

17
18 The recommendations on page V-1 were reviewed. Some of them have already been done. The first one talks about
19 spring flows. We're looking at moving water (irrigation) rights back up the canyon, since we're taking more water
20 out of Bartholomew Spring than we should. If we move the water rights up the canyon, we may be able to use them
21 for gravity flows. There is also water flowing past the tank at upper Spring Creek that we're not using. It could
22 possibly feed into the lower Spring Creek tanks. Mr. Barker talked about getting all the PRVs balanced and working
23 correctly and optimally. He also wants to develop a quality flush program to get rid of "old water", where there are
24 dead end lines and stagnant water.

25
26 The Water Department has reviewed the report in depth and is starting to make some of the changes recommended.

27
28 Mr. Hotchkiss would like to recommend that HAL go back and include the PI in this report. Mr. Stapley would like
29 to include the Water Board more in the process, rather than just present a final report.

30
31 Mr. Stapley gave a brief update on the 900 S Sewer pipe bursting project. It is going well.

32
33 November 11th is Veteran's Day, which is a City Holiday. We will hold the next Water Board meeting a week earlier
34 on November 4th, the first Tuesday of the month.

35
36 Mr. Beck moved to adjourn. Mr. Hatch seconded.

37
38 *Adjourn* – This meeting adjourned at 7:34 a.m.
39
40
41
42
43