



MINUTES
Springville Water Advisory Board Meeting - JANUARY 10, 2019

MINUTES OF THE SPRINGVILLE WATER ADVISORY BOARD MEETING WAS HELD ON TUESDAY, JANUARY 10, 2019 AT 6:30 A.M. AT THE SPRINGVILLE CIVIC CENTER, 110 SOUTH MAIN, ROOM 217, SPRINGVILLE, UTAH.

Committee Members in Attendance: Rollin Hotchkiss, Alton Beck, Nile Hatch, Calvin Crandall, Rod Andrew, Bryan Boshell, John Clemons, Cl. Craig Jensen

City Staff: Brad Stapley, Shawn Barker, Marcie Clark

CALL TO ORDER

Mr. Hotchkiss welcomed everyone.

APPROVAL OF THE MINUTES

Mr. Andrew made a motion to approve the November 2018 minutes. Mr. Hatch seconded. All were in favor.

COMMITTEE BUSINESS

Mr. Barker briefly reviewed the water main break that occurred Friday night, January 4th at Hwy 89, approximately 750 South by the bridge. There was a hole in the pipe and there is corrosive soil out there. The Highway had to be closed in order to repair it.

ITEMS:

- 400 South Well #2 Update. Mr. Barker gave an update on the 400 S. Well #2. The well is drilled and we have test pumped and reported on all of that. We are currently waiting for the State to approve the bentonite seal. The well has to be sealed, and bentonite is the easiest way to do that. There also has to be a grout witness. We are hoping to have a verbal approval by Friday. The design of the well house is going on now. The bids for the pump and motor and VFD went out and have been approved. Rhino Pumps was the low bidder for the pump and motor. We ordered the parts ahead of the well house bid. We expect to have the bid for the well house construction out in February. Part of that construction will be installing a new pipeline for the pump-to-waste water. Mr. Hotchkiss asked if it is possible to find out how old the water is in the well. Mr. Stapley didn't know, but liked the idea of doing that.

Mr. Stapley mentioned that we are in the process of updating our Water Master Plan. The Plan will determine if and when we need another well. The more we expand our pressurized irrigation, the more time we have until we need another well. We were down to about 232 gallons per minute (gpm) excess water in the system on a peak day. This new 400 S. Well will give us 4,000 gpm, which will really help.

Mr. Clemons mentioned that the water pressure at his house has been low, along with a few of his neighbors. Mr. Barker stated that the PRV's have been steady, so it shouldn't be low. He can have someone go check it.

- Pressurized Irrigation Update. Mr. Stapley stated that we met with our consultant that is working on the PI Master Plan. One of the things we have looked at is the large areas of farm land that are being flood irrigated with Hobble Creek "irrigation" water. The City was approached by Jake Harward about using pressurized irrigation water instead of Springville Irrigation water, which we are interested in. If he uses PI, and uses it in off-peak times, which would be during the day, then we can save the amount of water they are bringing down to irrigate with flood irrigation. If we don't have water in Hobble Creek, they have to bring down water from Strawberry Reservoir. The Central Water Conservancy District brings it down in "slugs" of water. Mr. Stapley explained "slugs" of water and water shares. A certain amount of water is ordered and you get it at a certain time. And you can't get it in small amounts or in pieces. So, many times the amount of water that is needed is not as much as the slug that is coming down, which is

required by them. We are actually not using some of that water and it ends up going out to Utah Lake. Mr. Stapley mentioned the parcel of land that will soon be used for a new school, and it will go out of service for flood irrigating. The City is getting more water shares, and we are about 47-51% of the Irrigation Company right now. We want to "bank" Strawberry Water and control the water use better and more effectively. Mr. Harward would like it so he can then fertilize right out of that water and not waste it. Mr. Stapley also talked about snow pack. Last year we came close to using all of the "banked water". Mr. Crandall thought we used all of it, or came really close. Mr. Stapley has been tracking snow pack pretty closely. The more snow pack we have means less Strawberry Water we use in the summer. And the water is carried over from year to year. Mr. Stapley also talked about shares to wells.

Mr. Crandall mentioned that a lot of water was wasted last year for Harward's fields because of how much water he needs. Jake Harward is requesting 500 gpm, which is a little over 1 CFS. It takes between 10-12 CFS of flood irrigation in the ditches to keep all of Jake's multiple pumps going. Trying to keep 1 CFS in the ditches is hard to do, in a ditch that is designed for 10 CFS. Having him use PI will be a win-win for everyone.

Mr. Hotchkiss asked what the volume of water will be on the Bartholomew Pond compared to the daily demand for PI once this is all converted over to PI and we are at build-out. Mr. Stapley responded that the pond was designed for build-out for all areas on PI west of the tracks at 400 West. The pond would fluctuate approximately seven vertical feet each night in the summer. And then during the day it would be replenished by either Burt Springs, Hobble Creek water, and/or Strawberry Water. The depth of the pond is fourteen feet.

Mr. Crandall asked if PI will ever go east of 400 West. Mr. Stapley stated that we could bring it east in some areas, but that would require tearing up all the roads to install pipelines, and that gets really expensive. He mentioned that we also have the option to use Central Utah Water at the PRV station at 400 E 800 S. We have never used that water and it is really expensive water.

Mr. Hatch asked if the land where Wavetronix is going to build is irrigated. Mr. Stapley replied that it is irrigated, but they use water from the Packard Drain and not Hobble Creek water.

Mr. Boshell asked about the tail water that goes past the WW Clyde yard, under 1400 North and ends up in Provo. Who has the rights to that water, and could Springville City capture some of that? Mr. Crandall and Mr. Stapley didn't know, but they are sure it is being claimed by someone. It could be DNR.

Mr. Stapley mentioned that he sits on the Utah Lake Steering Committee. Provo is looking at building a new state-of-the-art waste water treatment plant (WWTP), which will be well beyond what would be required by 2025. They're looking at taking out pharmaceuticals and different things; it will be some kind of membrane plant of sorts. It will be by the Provo Airport, which means they will not be dumping into Provo Bay anymore, but into Utah Lake. There are twenty million gallons of water going into Provo Bay from waste water treatment plants, from Provo, Springville, and Spanish Fork. The State is looking at more stringent water issues for the bay, which means they might have lower limits on what can go in there. Mr. Stapley has been up front with the State, letting them know if they lower the limits, it might be cheaper for Springville to put in a pipe and dump into Utah Lake, rather than build a \$100 million plant. We are currently negotiating with them and will be taking a variance letter to City Council soon on the specifics. Provo is looking at re-using their water; taking 16 million gallons of water a day, which would go into the system (Utah Lake and Jordan River), may not be going there anymore. They are looking at injecting it into the ground and pressurized irrigation, which changes everything about what is going on in the bay, the lake, and water rights. Mr. Stapley has also looked at re-using the 3.5 million gallons of water effluent that leaves the Springville WWTP. Once that water leaves our plant, it is not ours anymore.

Mr. Andrew mentioned that the level of the Great Salt Lake has dropped 10 feet over the past 15 decades. If population keeps growing like it has, the Great Salt Lake could be a big dust bowl in the future. They are already seeing that the snow pack is melting because of the dust from the Great Salt Lake. They are looking at putting some kind of level on the Great Salt Lake, which may dictate what all the communities do. Mr. Andrew mentioned that Farmington Bay has the same issue as Provo Bay, where all the water

from Salt Lake City dumps into it. Farmington Bay is 40 times higher with that algae bloom than Utah Lake, but nobody recreates there. Something will have to be done there. Mr. Stapley mentioned the issue that happened years ago in the Owen's Valley in California. Owen's Lake dried up after L.A. diverted all the water out of it and now that area has the worst air quality in the country when the wind blows.

Mr. Hotchkiss asked who is looking at the long-term plan? Nobody ever says we have to stop development. Mr. Stapley said the legislature is controlled by developers right now. And they keep changing laws to benefit them.

Mr. Stapley mentioned that the City is continually looking at our water system/projects and future needs. We may be able to move projects back, depending on the status of our system. We don't want to replace something too soon, because we're just wasting money if we do.

Mr. Beck asked what Springville City is doing about the State requirements the WWTP needs to meet. Mr. Stapley explained that we are still working with the State on a variance, which allows us to do nothing until March of 2021. Mr. Stapley has been pushing back on the State, asking why they are making the City do this when they haven't finished their Utah Lake Study or the Provo Bay issue resolved. We have hired an outside consultant, along with Spanish Fork, to look at our plant and give us recommendations on what needs to change.

ADJOURNMENT

Mr. Beck moved to adjourn. Mr. Andrew seconded. All were in favor.

Meeting adjourned at 7:30 a.m.