

MINUTES
ENOCH CITY WATER BOARD
October 10, 2019 at 4:30pm
City Council Chambers
City Offices, 900 E. Midvalley Road

MEMBERS PRESENT: Doug Grimshaw, Alan Miller and Spencer Jones. Larry Gardner and Steve Woolsey were absent.

STAFF PRESENT: Rob Dotson, Julie Watson, Earl Gibson and Council Member Harris

PUBLIC PRESENT: none

1. **CALL TO ORDER OF REGULAR MEETING-**By Doug Grimshaw at 4:30 pm.
 - a. **Pledge of Allegiance** –Led by Doug Grimshaw
 - b. **Invocation** –Audience invited to participate. Given by City Manager Dotson
 - c. **Approval of agenda for October 10, 2019** –**Spencer Jones made a motion to approve the agenda. Motion was seconded by Alan Miller and all voted in favor.**
 - d. **Approval of minutes for October 10, 2019**–**Spencer Jones made a motion to approve the minutes. Motion was seconded by Doug Grimshaw and all voted in favor.**
 - e. **Conflict of Interest Declaration**–none stated

2. **UPDATE ON NEW WELL PLANS**

City Manager Dotson said he and Earl put together a spread sheet with plans based on previous discussions and City Council approval of ongoing funding for well improvements and purchases. It was noted the main goal is to increase our water sources with the funds we have. He displayed the spreadsheet with details. He said he wants to go through this with the Water Board to get their input.

- Ravine well is almost done and will be back in the system soon. Earl gave information on Ravine well including the equipment being used, gpm's and problems they have encountered getting it back online.
- Anderson well has had problems with air in the water. A new 20,000 gallon storage tank will be built by it to serve 42 homes affected and will be a permanent "fix" for the air problem. In the summer the well needs to run at full capacity and that causes the air in the lines.
- Woolsey well is still high in nitrates. We need to fix it or shut it down. Earl said he thought Woolsey could go to the cemetery for irrigation perhaps. We have to test it every month because it is so close to allowable limits. It would be easy to get that water to the cemetery and the school.
- Homestead well could be rehabilitated Earl said. It needs new bowls and cleaning and then we expect it will start pumping more. The water table has dropped in that area. It was 1000 gpm and now it is down to about 450 gpm.
- Iron Works well could also be rehabilitated.
- BLM well is the new well and is pumping about 600 gpm.
- Spanish Trails and Three Peaks wells are irrigation wells and high in nitrates but better now. Spanish Trails well could be made into a culinary well.
- Little Eden well could be brought to culinary standards. We hit bottom at 200 feet. They are baling it now. Earl gave more details of testing etc. It was drilled

in 1968. Camera showed what looked like holes in it but now it looks like debris. The cost to drill a new well would be about \$111,250. It was noted we need to prove up on our water rights as part of all of this well improvement. We may just get it up to irrigation standards. Others nearby have rights in that well too so they may want to use it to prove up. All Little Eden rights are in that well.

- The Animal Shelter well is being considered for upgrading and we own it. Different problems were described and costs discussed to make it into a culinary well. It pumps about 400 gpm and does have a surface seal. Another option is to drill a new well next to it. This well is 20 feet from the mainline. We may have to mix it with another well and have a tank out there to do that before it goes into the system.
- Blue Bird well which we don't own at this time has been approved by the City Council for being test pumped. The water has high manganese and turbidity. We are considering purchasing the Blue Bird well but need more testing and information.
- The Enoch Road well is being considered for testing and it would be used as an irrigation well. We would use it to irrigate City properties and perhaps run it to the school. The Enoch Road well owner wants to sell it with the property which is eight (8) acres of alfalfa now. It is in a perfect place as it crosses our line and if it has enough capacity we could stop pumping so much water from the west and use it for Old Enoch Park, the cemetery and maybe the school to take pressure off culinary water. That is two million gallons per month.

There was more discussion of finding old well logs for more information. Costs for various upgrades were discussed and if it is worth it. In some cases piping would need to be added to use the water and that costs money also. The original secondary water irrigation system intent was to use the high nitrate water. If we could water Old Enoch Park, the cemetery and maybe the school it would be a huge savings to our culinary system. We have to find out if the Enoch Road well has enough capacity. If it is only good for irrigating eight acres then it is no good to us for what we want to do. City Manager Dotson said the owner won't sell it to us unless we can provide that land with irrigation water and it is not a big deal to do that. There are many factors involved. The cost to test it is \$37,900 and we need to decide if it is beneficial to purchase this well.

Spencer said he thinks the Enoch Road well is good and the Little Eden well is a good idea. He would not do the Animal Shelter or Blue Bird wells. They all pump sand and the caving in and maintenance of those two could be a nightmare. There is a reason why wells in that area have not been used. The Enoch Road well is a better location and higher up. The underground formation is the same in a lot of those wells. If it is a 12 inch well, geologically it could produce quite a bit of what we need and we may not need the other options. It would be a small amount of money to test the Enoch Road well and that is better spent. Don't mess with the sandy stuff. City Manager Dotson they thought for sure the Little Eden well would test better and more information is needed on that first. They are just cleaning it out to see what it looks like and nothing is decided. City Manager Dotson said the City owned rights are in all the wells. We also have rights in some wells we don't own. In Little Eden we don't have too many, 6 AF total, that the State had problems with. Alan asked, is it worth \$100,000 to secure those rights? City Manager Dotson said the main reason is to get more water source. Since we own that well, that is a better place for a new well to be drilled next to it. City Manager Dotson said we are trying to finish that one and discover the potential of the others. Spencer said he is still all in on the Enoch Road well and we should investigate it fully. Alan thought getting the irrigation for the park, cemetery and school would be a real benefit.

City Manager Dotson said this is what we. The City Council will approve a new tentative budget and we are using \$600,000 in impact fees into capital projects for the water company. He gave more details about the over allocation in the reserve fund due to debt being paid off. Pulling impact fees into capital projects makes the amount we can use for wells at \$870,000. Alan said if you don't spend on the Animal Shelter or Blue Bird wells then \$200,000 can go to other things. Anderson and Woolsey are solid wells and stay the same. Earl gave more details of their condition now saying we need Anderson well running at full bore at peak times of the year. The new tank is a permanent solution. There was more discussion of what was done to try to solve the problem and that that the engineering requires the size of tank we have chosen to use. All we really need is to get air out before it goes into the main line for those homes. City Manager Dotson gave more details time and distance to get the air out.

Spencer said he had to leave meeting at this time but he thinks we should continue with the Enoch Road and Little Eden wells for now. He gave more details of his thoughts on what to do adding he does not like to spend a ton of money if the Enoch Road well will solve the problems. We could seal it later for culinary use if we so choose. Doug agreed with that adding it would be nice to see the Little Eden well log. Alan said to add to Spencer's suggestions he found well logs and records are notoriously not in the right place when you try to find them. We would have to confirm in other ways to be sure we are looking at the right log for the right well. Based on this discussion today it is worth spending time to be sure good information is at hand as compared to going in with little or wrong information. Doug said the Blue Bird well would be lower input. It was noted the owners are amenable to whatever the City suggests. They may sell it or may need water when their land is developed for industrial use. They have no use for it right now. It is better for an irrigation well Doug said, as there is no surface seal. The issue with that is there is nothing to irrigate out there to prove up on the rights. Earl said it would be \$30,000 to put a surface seal in. That is an option for 300-400 gpm. Doug said that is his take on the Blue Bird well. City Manager Dotson said he just wanted their input and he thanked the Water Board.

3. **PUBLIC COMMENTS**-none

4. **BOARD/STAFF REPORTS**-none

5. **ADJOURN**-There was not a quorum present to adjourn. The meeting ended at 5:50 pm.

 12-12-19
Julie Watson, Recorder Date