

**MINUTES**  
**ENOCH CITY WATER BOARD**  
**July 9, 2020 at 4:30pm**  
**City Council Chambers**  
**City Offices, 900 E. Midvalley Road**

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

**STAFF PRESENT:** Rob Dotson, Julie Watson, Hayden White and Council Member David Harris

**PUBLIC PRESENT:** Mark Burr, Michael Jessop and Derek Nelson

1. **CALL TO ORDER OF REGULAR MEETING**-By Chairman Gardner at 4:30 pm.
  - a. **Pledge of Allegiance** –Led by Alan Miller
  - b. **Invocation** –Audience invited to participate. Given by Doug Grimshaw
  - c. **Approval of agenda for July 9, 2020** –**Alan Miller made a motion to approve the agenda. Agenda was seconded by Doug Grimshaw and all voted in favor.**
  - d. **Approval of minutes for June 11, 2020**-**Doug Grimshaw made a motion to approve the minutes. Motion was seconded by Alan Miller and all voted in favor.**
  - e. **Conflict of Interest Declaration**-none stated

2. **UPDATE FROM WILLOWSTICK ON LOCATING WATER SOURCES**

City Manager Dotson said this is based on previous conversations with Mark Burr starting two years ago. He is tied in with Willowstick who gathers data and creates 3D models of data to find water. According to State Code we are allowed to keep the data we receive as proprietary information because it is for the City gain more water. If we had to share the data, others may beat us to the water. We confirmed this is proprietary data for our use to obtain or drill wells. We used the data Mark gave us to fix the Ravine well and now it is pumping more water. We went 500 feet deeper into softer material. Mike Jessop, of Willowstick referred to the Soda Springs Idaho project as an example of a huge success in getting them more water. If you can connect into two points in the earth you can find the water. They have done projects all over the world. The Aquatrack does not find water in the middle of the desert. In Idaho they had a huge spring and wanted to find out how to tap into that. They got 2500 GPM by using gamma and passive seismic. Gamma indicates where water is because water blocks the gamma signals in the rock. He gave more details of how that project worked out to get much more water.

Chairman Gardner asked what they found in Enoch. Mark said their technology works well and has been used in oil and gas too, worldwide. He showed the zones of interest that were looked at and he showed the map using gamma technology. They showed the geological map details along Ravine Road with fractures. They look for weak zones under the crust and find that water follows the paths. Water is in the fault lines. They pinpoint locate and then precision drill. They utilized the gamma technology because water blocks gamma. They showed various maps and gave details of what they are seeing. He gave more details of how they did the surveys and showed the data maps. It shows strength or weakness of the underlying rock in the Ravine. There is evidence of water almost pouring out of the old springs. They are highly confident there is water there. The key is to get one well over the best spot. They focused on City property that is available. He told about the lava tube like on the Jordan property out to the west. There was more

discussion of the preliminary findings. Based on what they see in one zone we have a lot of water.

Chairman Gardner asked what they need to complete the study. Mark said this is a two week contract. They will have more data before they go home and then they put it together to present later. By next Friday they will have targets for the City to drill. Mark noted if property owners would let them come on their property they could do more but they have had some resistance from some land owners. There are some excellent formations north of town. Chairman Gardner thanked them saying we look forward to more information soon.

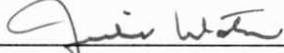
**3. PUBLIC COMMENTS-none**

**4. BOARD/STAFF REPORTS**

Hayden White introduced himself saying he replaced Earl Gibson. He is up and running full steam and doing well so far.

City Manager Dotson said we contracted with Ensign Engineering to construct the new tank by the Anderson well. Electricians are so busy they have a hard time getting together. It will be a 20,000 gallon tank to keep the air out the water lines. We had the money for it. We are working on water rights and working with a well owner to purchase a well. He noted Utah code changed and there will be a constitutional amendment on the ballot to allow municipalities to trade water. That helps with when we provide water service outside of Enoch there is an issue that if there is a shortage we have to shut them off. If the amendment passed it will fix that issue.

**5. ADJOURN-Motion to adjourn by Chairman Gardner. Motion was seconded by Doug Grimshaw and all voted in favor.** The meeting ended at 5:25 pm.

 9-10-20  
Julie Watson, Recorder                      Date