

CORBETT WATER DISTRICT



**BOARD OF COMMISSIONERS SPECIAL BOARD MEETING
VIRTUAL MEETING VIA MICROSOFT TEAMS – Thurs., February 16th, at 7:00 p.m.**

BOARD MEMBERS PRESENT: Dan Graff, Sara Grigsby, Jeff Hargens, Kelly Piper, and Fred Sanchez

STAFF MEMBERS PRESENT: District Manager Ana Linden, District Clerk Heather McGivney, DRC David Jacob

COMMUNITY MEMBERS PRESENT: Michael Arion, Gordon Fulks, Cloudy Sears

AGENDA

NEW BUSINESS

1. Presentation of the Rough Draft of the Master Plan – David Jacob

The Master Plan is about 50-70% finished. It is a guideline for the next 20 years for the Corbett Water District. David says that the goal of a good Master Plan is that the Water District can lay pipe without having to bring in an engineer or consult the State.

It would be advisable to pursue a secondary source of water. There are maintenance needs like new sand for the filter ponds, and a possible upgrade of two of our filter ponds to concrete structures. A new enhancement to the system would be a water measuring station. Aside from measuring flow rate, temperature, turbidity, etc. a measuring station would help to more precisely measure the amount of chlorine needed to disinfect the water. The more time that chlorine has to react, the better it disinfects, and at present we only measure this at the treatment plant. If we could measure the water closer to our customers, we might be able to use less chlorine to achieve safe drinking water.

There are currently six storage tanks, but the tank at Cabbage Hill is too small, so an upgrade would be to install two tanks that work together to stir water and allow maintenance on one tank at a time without disrupting service. Tanks 4, 5 and 6 are made of steel and require maintenance every seven to fifteen years. All of these tanks are at the point where they need to be maintained.

David built a model of the Corbett Water system to assist with transmission and distribution. We need two more pressure reducing valves where smaller pipe has been replaced with bigger pipe, which increases pressure: one at Rickert Lane, and one on Hurlburt. There are about 10 miles of steel pipe remaining in our system. Steel pipe degrades over time, which could be a source of water loss.

Most of Corbett lies at seismic zone 7, which means that the infrastructure is safer from seismic vulnerability. However, both lower Corbett and Evans, near Hurlburt lie in seismic zone 8. But there is only a small amount of pipe in these areas, and we have valves that can cut off water supply, if needed.

David went over a list of suggested projects, and their estimated costs (see below). Finally, David created a map of the water system that is divided into “like” areas – parts of our system which are supplied by the same source, or have the same pressure. Corbett Water District can use this map to create a way to track appurtenances.

Questions: Fred Sanchez comments that David has done a remarkable job. Michael Arion asks if David will be able to place these projects in a priority list, and David answers yes, the most pressing of these is fixing the leaks that are losing water. A tool that might help is a form of radar that can sense chlorinated water in the ground. Jeff Hargens asks when we might be closer to the final draft of the Master Plan, and when is Corbett required to turn it in to the state? David answers that he’s hoping to clean things up and have it ready by the March Regular Board Meeting. The state doesn’t really have a deadline, but it is advisable to have the plan on file. Gordon Fulks asked about looking for leaks on our thin-walled steel pipes, and at what point should we just replace the line. Ultimately, can we solve our problems faster than they occur? David answered that if we maintain flow control on the system, and install the PRVs that are in the plan, we can probably adjust and remain a stable system. Gordon asks how will we replace the pipe: with in-house workers, or by contracting out? David answers that this depends on if we can find the right workers for Corbett Water District, and the right equipment.

List of projects

Replace media in filter ponds	\$600,000.00
Deverell Instruments: Install vault with Chlorine, pH, Temperature and Flow metering with SCADA. Note: instruments 20k, vault, 20k, power 20k, install 40k	\$100,000.00
Install PRV on Hurlburt	\$50,000.00
Cabbage tank	
Build tank 7.....	\$400,000.00
Demo tank 2	\$50,000.00
Build tank 8	\$400,000.00
Cabbage tank feed line 9000 ft @75	\$675,000.00
Recoat tank 4: Larch	\$150,000.00
Recoat tank 5: Louden	\$125,000.00
Recoat tank 6: Headworks	\$250,000.00
Generic steel line upgrade. There is about 10 miles of steel pipe currently in service. To replace all of it, subtracting out Cabbage Hill and costed at \$10/inch diameter/foot of length	\$3,383,000.00
Total	\$6,183,000.00

Jeff Hargens adjourned the meeting at 7:50pm.

ADJOURNMENT OF MEETING