

**CORBETT WATER DISTRICT
MINUTES, SPECIAL MEETING OF THE BOARD
April 29, 2008**

Board members present: Robert Gaughan, Jeff Hargens, Sonny Boyd, Victor Schmidt.

Staff present: James Jans.

Robert Gaughan called the special meeting to order at 6:35 p.m.

CHRISTENSEN ROAD EXCAVATOR

James Jans started the discussion by stating he contacted four contractors, only three responded with bids. After reviewing the contractors, the decision was made to use is Jeff Miller who owns a 120 tract hoe. His price is \$90 per hour and \$85 to set up the equipment with a four hour minimum. The project is under 1,600 feet, we showed the contractor our map book, and the locates have been marked. There are three gravel driveways, one of which has an electrical pad near, and one black top that we will be saw cutting. We informed the contractors we want 36” dig so when we put our pipe in it will have 30” coverage. We’ve got the back hoe for installing the gravel, compacting, backfilling and cleaning the road up. Our plan is to just have the contractor dig 400 feet a day, so it will take about four days for the excavation to be finished. We are putting $\frac{3}{4}$ minus rock below the pipe and bedding the pipe around it which is required by the engineer. **Jeff Hargens** does not feel that we need to use the whacker and compact our dirt in lifts. **James Jans** states that is was the engineer’s request. **Jeff Hargens** says we can wheel roll it in with one lift, it is a shallow ditch off the road and will settle with time. The contractor will be orientated and the paper work completed on May 1st, the project will start on May 6th. **Sonny Boyd** informed the board that a storm is coming in, so the crew may not be able to work on the project at that time due to weather conditions. **James Jans** says one temporary employee has started but can only work two days a week due to school however he will work full time starting next month. The other temporary employee can begin now. **Jeff Hargens** wants to make sure that we are using them to lay pipe as opposed to teaching them how the treatment plant works. It was decided to hire Woody Davis to haul dirt and purchase gravel from. **Jeff Hargens** made a motion to use Jeff Miller to do our trench work on Christensen Road and use Davis Excavation for hauling on Christensen Road and let James Jans at that time evaluate for the next project, **Sonny Boyd** seconded, passed unanimously. **Robert Gaughan** pointed out that Marion Kirkham was not in attendance at the meeting due to being out of the country.

ENERGY TRUST OF OREGON, HYDRO PROJECT APPLICATION

James Jans said he spent some time with Energy Trust of Oregon discussing a hydro project at the water treatment plant and they said the state will reimburse us for up to 75% of our paper work, feasibility study, etc. After showing pictures and explaining what our project is they said since it is going to be a fairly quick and easy project they will want to take pictures of our work and use us as an example for other districts. The first step is to complete the inital application, then they would come up and see what size hydro we could put in, what size power to generate, where it would be located and the feasibility of it. Energy Trust of Oregon would help us fill out the form with the state; we will then have to wait for their approval to fill out the full application. They will pay up to \$3,000 if it is a difficult project. We have an existing vault already built at

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ENERGY TRUST OF OREGON, HYDRO PROJECT APPLICATION – Cont.

the treatment plant, however it is short about 20 feet of piping. **Robert Gaughan** asked about the other reservoirs, if we would have one at the end input. **James Jans** replied the pressure valves and reducing stations is where we would be generating the power. PGE provides the net metering. **Victor Schmidt** states there is an optimum amount of head in water flow for the stations and our existing pressure reduction stations may not match up with it. He says 180ft. a head is a lot of head for a generating system, it may not be optimum. We may want another station farther up stream. **Jeff Hargens** thinks it would be fine to fill out the initial application to see if we are even eligible to fill out the full application. **James Jans** informed the board of the \$100.00 application fee. **Sonny Boyd** was wondering what the additional preventative maintenance would be on it and how often it would have to be completed. The profit we make from this will cover the expense needed to keep up with maintenance. **Jeff Hargens** made a motion to have James Jans fill out the initial application and send it to Energy Trust of Oregon with a \$100.00 check so they can review our information and see how it proceeds from there, **Sonny Boyd** seconded, motion passed. **James Jans** says we have an intake screen, so we've taken care of the fish and we're spinning the water into our treatment plant before it is treated. The health department says that we cannot use water after it has been treated. **James Jans** says there are closed turbines that are made just for distribution systems, the shaft comes out using a sealed bearing. **Jeff Hargens** says that we should look at the maximum turbine we can get, we may have to put some money into it but it could be worth it. **James Jans** states the Energy Trust of Oregon says we could go up to 25 kilowatts, we are currently discussing 7 kilowatts. **Victor Schmidt** says its force times distance, we're lowering the pressure but the distance is staying the same. The water will come out cooler, right now when it goes through the cla-valve it heats up. **James Jans** says it will help cut down the algae because it grows in warmer water.

Jeff Hargens made a motion to adjourn the meeting, **Sonny Boyd** seconded, motion passed.

Special meeting adjourned at 7:20 p.m.