

Lake Don Pedro Community Services District
Regular Meeting of May 16, 2016

AGENDA SUPPORTING DATA

TO: LDPCSD Board of Directors

FROM: Peter J. Kampa, General Manager

SUBJECT: Agenda Item 3f. – 5/16/2016 Board Meeting

5. DISCUSSION AND ACTION ITEMS:

- d. Review of the current action plan regarding evaluation of problems with the Ranchito Groundwater Well #1 and consideration of approval to award a contract for the completion of necessary improvements

STAFF RECOMMENDATION:

Staff recommends the following Board motion:

I move to approve that the General Manager enter into a negotiated construction contract, in accordance with the Uniform Construction Cost Accounting Procedures adopted, for the completion of remedial improvements determined necessary and desirable by the District Engineer following evaluation.

DISCUSSION:

For the past two months, District staff has been unable to perform any measurement of the water depth in our existing Ranchito Well #1. Our normal practice is to manually drop a sounding cable down into the well casing to retrieve a measurement to water. Measuring the water depth ensures that the well pump can continue to operate without running out of water, which would likely ruin the pump and motor of the well. When we now attempt to check water depth, our sensing probe stops dropping at approximately 123 feet and hits dirt or mud, as shown when we remove the probe.

The inability to pass 123 feet is indicative of a problem with a potential well cave-in, since the hole is only cased down to 120 feet. Even if the well is not caving in, we would still pull the pump and perform the inspection and maintenance as a standard industry maintenance contract. To add to the need to perform inspection and maintenance, we have seen diminished well capacity since first installed, and standard municipal well response practices include removal of pumps, cleaning and removing sediment, debris, rust and such from the well casing and pump location to improve efficiency and increase infrastructure longevity. Our adopted budget included up to \$150,000 for capital improvement projects as they arise in priority, of which we have

Included herein are two separate cost quotes from Canepa, who installed the initial well, to be used only for reference at this time. We have adopted the Uniform Construction Cost Accounting Act Procedures (UCCAA) that allow us to complete work by negotiated work order of amounts between \$0 and \$45,000. Both phases of this work combined fall under the \$45,000 limit. I am expecting this entire work effort to become a construction project, and therefore am treating it as a capital expense at this time in lieu of having the Phase 1 work done as a maintenance item. Within our current policies and budget, I will be proceeding as quickly as possible with the Phase 1 work to be completed by Canepa.

I have provided a second cost estimate, Phase 2, which is considered to be the worst case scenario, other than having to completely relocate the well due to loss of pump/casing in the current location. Our District Engineer will review the results of the Phase 1 work, and determine whether the Phase 2 work, or some

variation thereof is necessary and in the best interest of the District's long term, efficient water supply. Based on the Engineer's recommendations, we will proceed to secure competitive cost quotes for the Phase 2 work, or negotiate directly with Canepa or others to complete the work for the best price, service and work quality available.

FINANCIAL IMPACT:

Phase 1 work will cost a maximum of \$8,450 and Phase 2 work will cost no more than \$35,000 including the installation of new casing, a new pump and piping, transformer and electrical connections.