



SPENCER J. COX
Governor

DEIDRE HENDERSON
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

BRIAN C. STEED
Executive Director

MEMORANDUM

To: Brian Steed DNR Executive Director *Darin G. Bird*
Darin G. Bird (Jun 15, 2021 12:53 MDT)
Deputy Director

From: Zane Olsen

Date: June 15, 2021

Subject: Emergency Purchase – VFD for Well at Wahweap Hatchery

To Whom It May Concern:

On June 7th, 2021 the main well supplying water to the hatchery went down. This well supplies water to the ponds, building, and to the water tank daily. The Hatchery Manager (Zane Olsen) spent several days diagnosing the problem and ordering fuses to test the remaining electrical components. He spent several hours on the phone with the manufacturer (Danfoss and Mitchells Controls). After testing everything, the diagnosis is that the Variable Frequency Drive (VFD) has stopped working correctly. The three electrical legs coming from the VFD to the well motor are reading different voltages, with fluctuating voltage within each electrical leg.

With this information, we are asking for an emergency repair and approval to work outside of the regular process for purchasing large items. The Wahweap Hatchery received its first catfish eggs today; along with high pond temperature dropping dissolved oxygen levels, requiring a constant water source. The need for this repair is pressing and needs to move forward as soon as possible once approval is given.

We have received four phone bids to start the process and one out of the four companies has it in stock. The rest of the companies are 3-to-6 weeks out on shipment. Below is a list of supplies with pricing and lead times.

Deloco Western: \$8,652.60 – Currently have it in stock and ready for pickup.

RSP Supplies: \$8,718.08 + Shipping – 4 to 6 weeks out.

IEC Suppl: \$6,991.19 – Available to ship on July 14th, 2021

KAMAN: \$8,320.00 – 6 weeks out

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We propose purchasing it through Delco Western for two reasons. The first reason is they have the needed VFD in stock, and it is ready for pickup. The second reason is, we already have an account setup with this vendor, and they will accept a PO, speeding up the process.

Thank you for your consideration

Property at risk: Without the well functioning, we are at risk of losing fish at the hatchery. Some of these fish are endangered bonytail chub, as well as catfish production for fish that are for stocking in Utah waters. The well also provides water to the office and residents on-site. Currently we are running off of the backup well, which cannot keep up with demand and has no back up if it goes down.

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Enclosure
cc: Roger Mellenthin, Craig Schaugaard