



## AGENDA STAFF REPORT

**MEETING DATE:** 2/5/2019

**AGENDA SECTION:** H

### **SUBJECT:**

Utilities and Engineering: Approve the repair of the Well No. 45 casing to Valley Pump and Dairy Systems of Armona, CA for a not to exceed price of \$216,637.19, approve the purchase of a pump shelter from RPS Industries of Tualatin, OR for a not to exceed price of \$19,135.00, establish a construction contingency of \$64,227.81, and approve an additional appropriation of \$300,000 from Water Capital Reserves. (E. Lacey Blvd @ KC Bowl)

### **RECOMMENDATION:**

That the Council, by motion,

1. Approve the repair of the Well No. 45 casing to Valley Pump and Dairy Systems of Armona, CA for a not to exceed price of \$216,637.19.
2. Approve the purchase of a pump shelter from RPS Industries of Tualatin, OR for a not to exceed price of \$19,135.00.
3. Establish a construction contingency of \$64,227.81.
2. Approve an additional appropriation of \$300,000 from Water Capital Reserves.

### **BACKGROUND:**

In late summer of 2018, the motor in Water Well No. 45 failed. Staff attempted to pull the motor to determine the problem and was unable to pull the motor due to a casing collapse. Several attempts were made to retrieve the motor but upon video inspection, it was determined that the motor was stuck on one of the collapsed areas.

Video inspection has determined that there are at least three casing collapses in this well and two will need to be repaired before the pump motor can potentially be retrieved. Approximately half of these costs would be necessary to replace the pump and motor anyway since they do not manufacture submersible pumps this size anymore. There is a risk to retrieving the motor, but since it is approximately \$900,000 to drill a new hole and insert a new casing, staff feels that this attempt should be made to see if the well can be repaired.

The request for the contingency is due to anticipation by staff that there will be more casing collapses below where the motor currently is and they would need to be reamed and patched to return the casing to serviceable condition. At approximately the same time, the City lost Well No. 44 to similar conditions. It appears that subsidence may be to blame for the damaged casings.

If approved, work will begin immediately on the repair work so that the City can get this well back into service before the Springtime and our high water demand season.

**FISCAL IMPACT:**

This project is an emergency repair and was therefore not a budgeted item. An additional appropriation of \$300,000.00 from Water Capital Reserves is required to fund this repair. The Water Capital Reserve account has an unencumbered FY19 end balance of \$4,091,007.

**ATTACHMENTS:**