



# CITY OF FERNLEY

## CITY COUNCIL AGENDA REPORT

Meeting Date: April 21, 2021

**REPORT TO:** Mayor and City Council  
**REPORT THRU:** Daphne Hooper, City Manager  
**REPORT FROM:** Dave Whalen, Public Works Director  
**REVIEWED BY:** Brandi Jensen, City Attorney  
**REVIEWED BY:** Denise Lewis, City Treasurer

**FINANCIAL IMPACT:**

Yes:  No:

**CURRENTLY BUDGETED:**

Yes:  No:

**FUND/ACCOUNT:**

510-810-430

**ACTION REQUESTED:**  Consent  Ordinance  Resolution  Motion  Receive/File

**AGENDA ITEM:** Possible Action to approve the ratification of expenditures for the rebuild of the well pump and replacement of column for Fernley Municipal Well #14 for an amount not to exceed \$38,045 to Carson Pump.

**Agenda Item Brief:** Fernley Municipal Well #14 has been in operation since 2005 and is one of six production wells for water supply. Staff contracted with Carson Pump to disassemble and remove approximately 190 feet of line shaft to evaluate the condition of the pump assembly. Due to age and demand, the pump was found to be out of tolerance and worn beyond service condition. The pump required a rebuild and replacement of the shaft. If approved this ratification will be to purchase and install 190 feet of new stainless-steel line shaft and sleeves as well as disassembling and inspecting, cleaning, and rebuilding the 6-stage bowls.

**Recommended Motion:**

**"I move to approve the ratification of expenditures for the replacement of Fernley Municipal Well #14 well pump and column for an amount not to exceed \$38,045 to Carson Pump."**

**Business Impact (per NRS Chapter 237):**

- A Business Impact Statement is Attached.
- A Business Impact Statement is not required because this is not a rule (term excludes vehicles by which legislative powers are exercised under NRS Chapters 271, 278, 278A, or 278B).

See attached reports for background, analysis, alternatives.

**ALTERNATIVES:**

City Council may vote to deny the contract and give direction to the city manager for an alternative approach.

**BACKGROUND:**

Well #14 is one of six municipal wells that supplies drinking water to the residents of Fernley. This well has been in operation since 2005 and is vital to our distribution system.

Due to the well's age and high demand, along with operational problems that have been experienced during well operations, Public Works staff contracted Carson Pump to remove the pump assembly to inspect well components. Public Works conducts an annual rotation with all well facilities to ensure the wells are performing properly. Approximately 190 feet of the pumps water column and line shaft were removed along with the pump bowls. Upon inspection, the column pipe, line shaft, and bearings were found to be deteriorated and needed to be replaced. Due to the age of the facility, it was also necessary to rebuild the 6-stage bowls that are attached to the shaft due to wear and replace worn components.

Carson Pump will furnish a new line shaft to replace the original component with a shaft with stainless steel sleeves to increase the life cycle and durability of this facility.

Staff is asking council to ratify the expenditures since it exceeds the \$25,000 signing limit of the City Manager.

**LEGAL IMPLICATIONS:**

Nevada Statutes: NRS 445A

Other:

**FINANCIAL IMPLICATIONS:**

The work is budgeted.

**ATTACHMENTS:**

- 1.) Carson Pump Estimate 2390 & 2426
- 2.) Standard Contract for Services