



CITY OF FERNLEY

CITY COUNCIL

AGENDA REPORT

Meeting Date: August 19, 2020

REPORT TO:	Mayor and City Council
REPORT THRU:	Derek Starkey, City Engineer
REPORT FROM:	Salvador Pleitez, P.E Senior Project Manager
REVIEWED BY:	Brandi Jensen, City Attorney
REVIEWED BY:	Denise Lewis, City Treasurer

FINANCIAL IMPACT: Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	CURRENTLY BUDGETED: Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	FUND/ACCOUNT: 510-166100
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ACTION REQUESTED: <input checked="" type="checkbox"/> Consent <input type="checkbox"/> Ordinance <input type="checkbox"/> Resolution <input type="checkbox"/> Motion <input type="checkbox"/> Receive/File

AGENDA ITEM: Staff Report: Possible Action to award a Contract for Construction for the FY 19/20 Well No. 4 New Generator and Electrical System Upgrade and Construction, to Nelson Electric, Inc. in an amount not to exceed \$141,600, plus a 10% contingency of \$14,160 for a Total of \$155,760.

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).

Agenda Item Brief: Staff is seeking approval to execute a contract for Well No 4 New Generator and Electric System Upgrade. Nelson Electric was the qualifying apparent low bidder at the Project Bid Opening. The major work items include but are not limited to: Demolish existing Main breaker, CT cabinet, mobile generator and associated conduit and wire, providing and installing a new 300 KW generator with base fuel take and sound attenuated enclosure, and associated conduits and wire, controls, concrete pad and excavation, reconnect existing 600A ATS, and alternate bid to remove non-operating existing diesel engine.

See attached report for background, analysis, alternatives.

RECOMMENDED MOTION: “I move to approve the contract with Nelson Electric, Co., Inc. in the amount not to exceed \$141,600.00 for the New Generator and Electric System Upgrade Project at Well No. 4, plus the \$14,160 contingency.

ALTERNATIVES:

City Council could choose not to award and wait for a state mandate if in an emergency the current generator cannot maintain pumping requirements and create possible city widespread water shortage if a prolonged power outage occur.

PROJECT SUMMARY:

Staff advertised the Project in the Reno Gazette Journal, the Mason Valley News. The start date of Advertisement for RGJ and MVN was July 10, 2020. Staff opened bids on August 5, 2020. The list of bidders and total bid prices for the Project are included in staff Bid Tabulation Report, referenced below as Attached Information, Item No. 2.

After reviewing the bids and conferring with the City’s Project consultants, Senior Project Engineer recommends awarding the Contract to Nelson Electric.

The proposed Contract for Construction of the Well No. 4 New Generator and Electric System, Demolish existing Main breaker, CT cabinet, mobile generator and associated conduit and wire, providing and installing a new 300 KW generator with base fuel take and sound attenuated enclosure, and associated conduits and wire, controls, concrete pad and excavation and reconnect existing 600A ATS. The proposed Contract for Construction includes, as part of the City’s FY 19/20 Well No. 4 New Generator Design and Construction, as approved during the FY 18/19 budget approval process.

PK Engineering, Inc. has assisted many agencies in northern Nevada with Design Pump Stations, Lift Stations and related appurtenances. They prepared plans, specifications and estimates for the FY 19/20 Well No. 4 New Generator and Electric System Upgrade.

BACKGROUND:

Well No.4 is on Mull Lane across from the Fernley BMX Track with access from Highway 95 Alt. The Well pump building was originally built in 1993 and has been modified slightly thought the years. The current summer months pumping is around 1.2 Million Gallons per Day and average running hours in the summer time per day is around 12.5 hours. The facility has never had backup power (generator) on site, so when a long power outage occurred a generator was rented and rigged to run the pump for the duration of the power outage. Well No. 4 is ranked third in the various City of Fernley underground water sources, and the city would be missing a major source of its water if there was an prolonged power shortage. It is that reason that the budget year 2019/2020 was anticipated as the time to resolve that possibility by installing a 300 KW generator. In addition to the most needed generator, there are currently electrical system elements that need to be upgraded to meet current electrical codes. The proposed modifications to the electrical system will bring the system in compliance with current codes. The Alternate B part of the proposal includes the removal of the original diesel engine that was abandoned about 10 years ago. The existing diesel engine is in good condition, but not capable of operating the pump at the current delivery rates. The engine will be taken out of the building and auctioned off by DPW later.

ANALYSIS:

Staff highly recommends that the backup generator and electric system upgrades and the removal of the existing diesel engine be funded at this time. This Well is a key part of the water system and providing a backup power is essential to the operation at time of emergencies.

FINDINGS:

Again, frequent power failures and the lack of a backup generator make this a timely investment to maintain our high demand water supplies.

LEGAL IMPLICATIONS:

The City's water demands and the ability to provide high water supplies in the summer months even when the power is out, is an integral part of maintaining good customer satisfaction to its population. Having a back up power plan is essential to Well No. 4 and all wells operated by the city.

FINANCIAL IMPLICATIONS:

Both the design (\$15,000) and the proposed construction (\$155,760) phases for a total of \$170,760.00 are falling within the original projected budget of \$180,000 authorized in the Fiscal Year 2019/2020 Budget from the Water Enterprise Fund.

ATTACHMENTS:

- 1) City of Fernley Standard Contract- Schedule A
- 2) Letter of Recommendation staff and Bid Tabulation Report- Schedule B