



FRESNO COUNTY FIRE

PROTECTION DISTRICT

Honor, Integrity, Cooperation & Professionalism

MEMORANDUM

Date: 06/16/2022

To: Board Directors

Attn: Matt Furrer
President

From: Fire District Staff

Subject: New Water Well Install on Training Center Grounds

BOARD OF DIRECTOR'S BRIEFING PAPER

ISSUE:

Staff is asking the Board of Director's to authorize additional funds to be allocated for a new well to be drilled on the Training Center grounds to supply water to the Training Center, the fire protection system protecting the reserve garage, 82 Shop, and Station 82.

BACKGROUND:

The original domestic well that was supplying water to the Training Center and hydrant system located on the Training Center grounds stopped providing water to the facility mid-May. Training Center staff and the facilities team contacted two pump service vendors in the area to diagnose possible solutions to get the well up and running. Both vendors advised that the pump was working and that the water table had dropped below the pump. The only remedy to the situation would be to drill a new well. HFEO Roberts contacted Strickland Well Drilling who has provided the referenced quote and has the fastest most responsive time to drill anew well. While Strickland Well Drilling was on-site providing an estimate, they advised that the water table in the Del Rey area has significantly dropped. We asked about the viability of Station 82's well and Strickland advised that we would be fortunate to get 5 months out of the well since Station 82's well pump sits at the same level as the Training Center's original well. The original timeline that Strickland Well Drilling gave us to commence drilling was 6-9 months out, largely due to the amount of time permitting takes with the State. District

Staff was able to provide a letter of support to follow up with our permit request, which helped us receive a fast approval for the well permit.

DISCUSSION:

To continue to support the Training Center, the fire protection system, Station 82 and 82 shop, the District will need to establish a new well at a new water depth. Per State and County standards, a new well needs to be drilled a minimum of 30' away from the existing well. Training Staff and the Facilities team have identified an area in which a new well can be established. The quoted well would be able to tie into the Training Center grounds, the fire protection system, Station 82 and 82 shop with the existing plumbing that was installed during the Training Center build. The new well would be drilled to a depth of 400' with a 12" casing that would provide between 350-750 GPM. Strickland Well Drilling, the vendor who supplied the quote for drilling, can start drilling June 20th, 2022. If approved, HFEO Roberts will contact a pump company to install a new pump at the appropriate water level once drilled. The timeline for completion is estimated to be July 1st, 2022. Staff is asking for authorization of funds in the amount of \$140,000.00 to cover drilling, materials, labor, and the cost of a new pump.

ALTERNATIVES:

1. A 10" system could be rebuilt to reduce cost initially, but overtime may have to drill a separate well on the Station 82 side if this well cannot meet the demand of two sites.

IMPACTS *(Consider potential consequences related to each of the following areas of concern for proposed alternatives):*

- Fiscal – If approved would be a financial impact of \$140,000.00.
- Operational – If not approved would impact the ability to run 24/7 at Station 82 and 82 shop, as well as provide training services at the Training Center.
- Legal – No known impact.
- Labor – No known impact
- Sociopolitical – No known impact.
- Policy – No known impact.
- Health and safety – Potentially if not approved would stop the ability to have running water at all Del Rey facilities.
- Environmental – No known impact.

Interagency – No known impact.

RECOMMENDATION:

Staff is recommending that the Board of Directors authorize the Chief or designee to execute contracts as well as approve the release of funds to be allocated to the drilling of a new well on site of the Training Center not to exceed \$140,000.00.

APPROVED:

DocuSigned by:

Dustin Hail

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Dustin Hail, Fire Chief

6/16/2022

Date