

## Board Agenda

### Special Meeting

Wednesday, June 29, 2022

Camrosa Board Room

4:30 P.M.

#### TO BE HELD IN PERSON

The Board of Directors meeting will be held in person.

**There will be no virtual access.**

The public and guests are welcome to attend at the District office:

7385 Santa Rosa Road

Camarillo, CA 93012

#### Call to Order

#### Public Comments

At this time, the public may address the Board on any item not appearing on the agenda which is subject to the jurisdiction of the Board. Persons wishing to address the Board should fill out a white comment card and submit it to the Board Chairman prior to the meeting. All comments are subject to a 5-minute time limit.

Matters appearing on the Consent Agenda are expected to be non-controversial and will be acted upon by the Board at one time, without discussion, unless a member of Board or the Staff requests an opportunity to address any given item. Items removed from the Consent Agenda will be discussed at the beginning of the Primary Items. Approval by the Board of Consent Items means that the recommendation of the Staff is approved along with the terms and conditions described in the Board Memorandum.

#### Primary Agenda

1. **\*\*Tierra Rejada Well Rehabilitation Project, Specification No. PW21-03**

**Objective:** Authorize additional funding and change order for cleaning and redevelopment of the Tierra Rejada Well.

**Action Required:** It is recommended that the Board of Directors:

- 1) Appropriate additional funding in the amount of \$150,000.00 for the Tierra Rejada Well Rehabilitation from the potable capital replacement fund, and;
- 2) Authorize a Change Order to General Pump Company for additional out of scope work for the cleaning and redevelopment in the amount of \$139,733.00.

## **Comments by General Manager; Comments by Directors; Adjournment**

PLEASE NOTE: The Board of Directors may hold a closed session to discuss personnel matters or litigation, pursuant to the attorney/client privilege, as authorized by Government Codes. Any of the items that involve pending litigation may require discussion in closed session on the recommendation of the Board's Legal Counsel.

Note: \*\* indicates agenda items for which a staff report has been prepared or backup information has been provided to the Board. The full agenda packet is available for review on our website at: [www.camrosa.com/board-agendas/](http://www.camrosa.com/board-agendas/)

**June 29, 2022  
Special Meeting**

Board of  
Directors  
Agenda Packet

## Board Memorandum

June 29, 2022

**To:** General Manager

**From:** Terry Curson, District Engineer

**Subject:** Tierra Rejada Well Rehabilitation Project, Specifications No. PW21-03

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- 1) Appropriate additional funding in the amount of \$150,000.00 for the Tierra Rejada Well Rehabilitation from the potable capital replacement fund, and;
- 2) Authorize a Change Order to General Pump Company for additional out of scope work for the cleaning and redevelopment in the amount of \$139,733.00.

**Discussion:** As a result of declining production, in November 2020, Hopkins Groundwater Consulting (Hopkins) was contracted to re-evaluate the Tierra Rejada Well and identify the issues related to production and provide an overall long-term rehabilitation plan.

The District provided Hopkins with all available production history, groundwater levels, and Edison test reports over the last several years. Based on the available data, the groundwater levels within the Tierra Rejada Groundwater Basin have declined approximately 75 feet since 2012. The declining basin levels have greatly impacted the available drawdown above the current well's pump setting. Based on Hopkin's analysis and report, it was decided to perform additional analysis of the well and well formation, along with replacing the existing pump and lowering the pump setting by approximately 100-feet to increase capacity.

Prior to removing the existing pump, a spinner log and dynamic video were performed by Pacific Surveys and the information submitted to Hopkins for review. Since there is a significant delivery time on new equipment, the well was brushed, airlifted, and disinfected and the original pump and motor was re-installed in order to restore production.

**Findings:**

Based on the spinner logs and dynamic video, it is concluded that the well is producing its supply from the upper portion of the well screen interval between the depths of 310 feet to 465 feet below ground surface. The dynamic well video survey conducted on November 10, 2021, confirms the finding, in that the well screen interval from 450 feet to 500 feet had significantly reduced biofouling and the screen between 500 feet to 675 feet and had virtually no plugging from biological fouling and mineral build-up.

Prior to the installation of the new pump, it is recommended to perform additional cleaning within the production zones of the well, which is most notably within the 10-inch screened insert section that was installed in 2016. Hopkins has prepared a cleaning and redevelopment specification that was provided

to General Pump Company to evaluate and propose on the additional work. General Pump provided a cost proposal of \$152,600 for the work. Staff was able to negotiate the cost for a lesser amount of \$139,733. The additional cleaning is expected to include:

- Concentrated Disinfection
- High pressure jetting and airlifting of fill material
- Acid treatment, swabbing, and airlifting of chemical solution, and;
- Final disinfection prior to pump installation

This project is an approved capital improvement project and the approximate project break down costs are listed as follows:

<b>Additional Cleaning &amp; Rehabilitation</b>	<b>\$139,733.00</b>
Additional hydrogeological Design/Inspection Services	\$17,810.00
Hydrogeological Design/Inspection Services <i>(Note: additional expenditures were charged against the prior year operational budget in the amount of \$13,818.75)</i>	\$9,641.25
Well Rehabilitation/Construction (new pump & motor)	\$222,223.00
Dynamic video/report	\$950.00
Basic brushing and Cleaning (for initial evaluation)	\$32,925.50
Additional pump installation/removal	\$29,765.73
Additional Specialty Inspection Services/Spinner overview	<u>\$5,490.00</u>
Total Revised Project Cost:	\$458,538.48
Total Project Budget	\$325,000.00
Additional Appropriation	<u>\$150,000.00</u>
Revised Project Budget	\$475,000.00

**TIERRA REJADA NO.-1**  
**REHABILITATION PROJECT CONTRACTOR BID SHEET**

SPECIFICATION SECTION NO.	BID ITEM NO.	WORK TASK	UNIT	AMOUNT	COST PER BID UNIT	TOTAL BID ITEM COST
7	1	MOBILIZATION/DEMOBILIZATION	LS	1	\$12,705.00	\$12,705.00
8 AND 15	2	WELL DISINFECTION	LS	2	\$4,951.00	\$9,902.00
9	3	HIGH PRESSURE JETTING	LS	1	\$26,197.00	\$26,197.00
10	4A	DUAL SWAB AIRLIFT	HR	6.5	\$2,254.15	\$14,652.00
10	4B	DISINFECTANT REMOVAL AIRLIFT	LS	1	\$11,910.00	\$11,910.00
11 AND 14	5	VIDEO SURVEY	LS	2	\$1,158.00	\$2,316.00
12	6	CHEMICAL INJECTION	LS	1	\$23,521.00	\$23,521.00
12	7	CHEMICAL SWABBING	HR	13	\$1,264.00	\$16,432.00
12	8	DUAL SWAB AIRLIFT	HR	6.5	\$2,310.15	\$15,016.00
13	9	AIRLIFT REMOVAL OF FILL MATERIAL	LS	1	\$4,178.00	\$4,178.00
16	10	SITE CLEAN UP	LS	1	\$2,904.00	\$2,904.00
<b>TOTAL</b>						<b>\$139,733.00</b>