

# LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT

## MEMORANDUM

**DATE:** MARCH 22, 2022

**TO:** BOARD OF DIRECTORS  
Lake Arrowhead Community Services District

**FROM:** CATHERINE CERRI, General Manager

**SUBJECT:** APPROVE CHANGE ORDER WITH STOCKMANS FOR  
ADDITIONAL WORK RELATED TO BATTERY  
ENERGY STORAGE PROJECT #0216

### A. RECOMMENDATION

It is recommended that the Board of Directors (BOD) approve a change order to Stockmans for additional work related to the Battery Energy Storage Project #0216 for \$31,203.

### B. REASON FOR RECOMMENDATION

To ensure full utilization of the batteries and preferred communication methods, it is recommended to extend the connectivity to a different electrical panel than originally designed. This will also give District staff greater control of the system to avoid any disruption to operations.

### C. BACKGROUND INFORMATION

On May 26, 2020, the Board of Directors approved a contract with Stockmans to install a bank of batteries providing 1,856 kWh of electricity to shave off energy use during peak times and provide a backup energy source for the Grass Valley Wastewater Treatment Plant. At that time, no amount for change orders was authorized.

The batteries were installed and are currently operational for peak shaving but there have been complications related to the backup functionality. The components in the electrical panel that was chosen are older and can't be relied upon to properly switch the power between the generator, the batteries and Edison. Additionally, such an important function cannot depend upon wireless communication.

To provide better staff control, more reliable functionality and seamless communication, it was proposed to extend the connection to a newer electrical panel and provide fiber optics communication directly to the batteries.

#### **D. FISCAL IMPACT**

The cost of the additional work is \$31,203 to extend the fiber optic cable and electrical connection. This cost will not be reimbursed by the SGIP program but the savings the District will realize will cover this cost in 13 months. This is the only change order from Stockmans.

#### **E. ENVIRONMENTAL IMPACT**

This project is categorically exempt from the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines Section 15301 since it is an existing Class 1(b) wastewater facility which is not being expanded.

#### **F. ATTACHMENTS**

- Stockmans Change Order

# Stockmans

3595 Sueldo St, Ste. 100  
San Luis Obispo, CA 93401

Date	Quote #
3/11/2022	SWE22006

## Customer Information

Lake Arrowhead CSD  
PO Box 700  
Lake Arrowhead, CA 92352

This price is good for 30 days from the date issued

## SOW Alteration

Description	Qty	Rate	Amount	Markup	TOTAL
STEM Auxiliary Equipment RTAC	1	1,000.00	1,000.00	15.00%	1,150.00T
STEM SENS Uninterruptible Power Supply	1	8,600.00	8,600.00	15.00%	9,890.00T
Fiber Optic Cable	400	0.38	152.00	15.00%	174.80T
Perle Ethernet to Fiber Converter	4	348.00	1,392.00	15.00%	1,600.80T
Unistrut Equipment Rack	2	145.00	290.00	15.00%	333.50T
12 AWG Wire THHN	500	0.49	245.00	15.00%	281.75T
Electrical Enclosure NEMA3R	2	68.08	136.16	15.00%	156.58T
Travel Expense	12	230.66	2,767.92	15.00%	3,183.11
Labor	96	135.00	12,960.00	0.00%	12,960.00
Shipping		419.26	419.26	0.00	419.26

## Terms

Thank you for your consideration.

<b>Non Equipment Subtotal</b>	\$16,563.75
<b>Equipment Subtotal</b>	\$13,642.63
<b>Tax (7.75%)</b>	\$1,053.03
<b>TOTAL</b>	\$31,202.83

If you have any questions about this estimate, please contact Tara Kratz, 831.809.8889, tara@stockmans.com.  
Thank you for your business!