

LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT

MEMORANDUM

DATE: **JULY 27, 2021**

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

FROM: **MATT BROOKS, Operations Manager**

CATHERINE CERRI, General Manager

SUBJECT: **CONSIDER APPROVING THE PURCHASE OF
REPLACEMENT UV LAMPS FOR THE GRASS
VALLEY WASTEWATER TREATMENT PLANT
TROJAN UV SYSTEM**

A. RECOMMENDATION

That the Board of Directors approves the purchase of (75) Trojan replacement UV lamps from Trojan Technologies Group for \$31,381.95. This includes sales tax and freight charges.

B. REASON FOR RECOMMENDATION

The Trojan UV disinfection system is an integral process of the Recycled Water process within the Grass Valley Wastewater Treatment Plant (GVWWTP). The Trojan UV system consists of two “trains”, and the lamps are certified for 12,000 hours of run life. The lamps are less effective if they exceed their 12,000-hour run life and may result in positive coliform bacteria results in our Recycled Water that we supply to the Lake Arrowhead Country Club (LACC) for irrigation purposes. This purchase request is to replace the existing lamps in Trojan “Train B”, as the lamps currently have approximately 11,500 run hours on them. District staff will be installing the new UV lamps. Usually, it takes just under two years for the bulbs in each train to accumulate 12,000 run hours; therefore, District staff budgets to

replace one train every two years, and switches amongst the two trains once one of them hits the 12,000-hour mark.

C. BACKGROUND INFORMATION

The GVWWTP can supply up to 1.0 million gallons per day (MGD) of UV disinfected, tertiary recycled water as defined in California Code of Regulations, Title 22, Section 60301.230 to the LACC.

The GVWWTP recycled water system runs close to 100% capacity between early Spring through early Fall every year. It also runs 15%-20% capacity from Fall through Winter to keep the recycled water system operational and clear of unwanted bacteria growth, which occurs while sitting in its “off-line” state. So the recycled water system (Pall/Trojan) is on-line year round, albeit not always at full capacity, and this is due to problems experienced in the past with bacteria growth and equipment failures if the system sits off-line for an extended period.

District Staff requested and received a quote from the following and sole vendor of the required Trojan UV lamps:

TROJAN TECHNOLOGIES GROUP- Trojan UV lamps

75 Lamps, flat base, part #GA64T6HE	\$28,964.25
Freight (estimate)	\$400.00
Tax	\$2,244.73
Total =	\$31,381.95

District Staff did not request quotes from any other vendor(s) due to the quality and specialized nature of the product required. Any other type of UV lamp may void the manufacturer’s efficiency warranty of the entire UV system.

D. FISCAL IMPACT

These UV lamps are a budgeted item and will be funded by the 160 Supplemental Water Fund. Fiscal impact will be \$31,381.95, sales tax and freight included. Total budget for this item is \$30,000.

E. ENVIRONMENTAL IMPACT

None. This action does not fall under CEQA requirements.

F. ATTACHMENTS

- Trojan Technologies Group -- Quote



QUOTE

A division of Trojan Technologies Group ULC
 3020 GORE ROAD
 LONDON, ONTARIO, CANADA N5V 4T7
 T 519.457.3400 F 519.457.3030 www.trojanuv.com

Original

QUOTE FOR: LAKE ARROWHEAD COMMUNITY
 27307 STATE HWY. 189,
 PO BOX 700
 LAKE ARROWHEAD, CA
 92352
 UNITED STATES

SHIP TO: GRASS VALLEY WASTEWATER
 TREATMENT PLANT
 27000 PILOT ROCK ROAD
 LAKE ARROWHEAD, CA
 92352
 UNITED STATES

FOR CUSTOMER SERVICE, CONTACT **HEATHER CONINE**
 VOICE - 760-648-3289
 FAX -
 EMAIL - westernus@trojantechnologies.c

FORWARD AGENT: EXW
CUSTOMER #: 090164
QUOTE #: 124235
QUOTE DATE: 06-23-2021
REFERENCE:
LOB: D97 AFTERMARKET

We thank you for your inquiry.

QTY	UNIT	ITEM	PRICE	UNIT	AMOUNT
75.00	EA	794447-0YW LAMP, GA64T6HE FLAT BASE	386.19	EA	28964.25
1.00	EA	FREIGHT FREIGHT & HANDLING	172.97	EA	172.97

GOODS	COSTS	TOTAL TAX	TOTAL USD
28964.25	172.97	2244.73	31381.95

DELIVERY TERMS: NO URGENCY FOR DELIVERY

PAYMENT TERMS:

FREIGHT MAY BE ADDED TO THE TOTAL OF THIS QUOTE ONLY IF REQUESTED.

SUBJECT TO SALES TAX, WHERE APPLICABLE. Tax to be included if not tax exempt.

GST# R105405385

THIS QUOTE EXPIRES: 08-07-2021

U.S. CUSTOMERS MUST PROVIDE SHIP TO'S FEDERAL I.D. #'s

FOR SHIPPING PURPOSES UPON RECEIPT OF A FORMAL PURCHASE ORDER.

SOLD:

SHIP: