

LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT

MEMORANDUM

DATE: JUNE 25, 2019

TO: BOARD OF DIRECTORS
Lake Arrowhead Community Services District

FROM:


MATT BROOKS, Operations Manager


CATHERINE CERRI, General Manager

SUBJECT: CONSIDER APPROVING THE PURCHASE OF THREE (3)
NEW PUMPS FOR THE CEDAR RIDGE BOOSTER
STATION UPGRADE PROJECT #178

A. RECOMMENDATION

That the Board of Directors approves the purchase of three (3) new pumps and motors at a cost of \$130,413.00, sales tax and freight NOT included, from Cortech Engineering for Cedar Ridge Booster Pumps & Station Upgrade Materials Project No. 178.

B. REASON FOR RECOMMENDATION

On April 30, 2019, District staff advertised for bids for the Provision of Cedar Ridge Booster Pumps & Station Upgrade Materials Project No. 178. On May 16, 2019, the District received no bids for the pump portion of this project. Prior to going out to formal bid this project was presented to our local vendors as a Request for Proposal (RFP). Four (4) vendors were included in the RFP process, and Cortech Engineering was the only vendor to provide a quote that met the District's specifications.

C. BACKGROUND INFORMATION

Cedar Ridge Reservoir & Booster Pumps provides water and fire flow protection to the Cedar Ridge community and surrounding area. The purchase of these pumps and motors is only one component of this project. The overall project consists of replacing the pumps and motors, valves, electrical equipment, the addition of variable frequency drives (VFDs), and the addition of backup generator power. The station currently has two (2) pumps with 20hp motors that handle daily demand, the new pumps and motors are rated at 50hp which will provide an approximate 60% increase in gallons per minute (GPM) while maintaining efficiency through the use of VFDs. The current diesel-powered fire flow pump will be replaced with one (1) 150hp electric motor-powered pump rated at 1500gpm @ 300' of head, increasing the reliability while lowering maintenance costs of the station. Cedar Ridge Reservoir & Booster Station has been in service for over 30 years and has fulfilled its useful life. This project will not only increase the reliability and pumping capacities of the pump station, but the pumping will also be more efficient with the installation and use of VFDs.

D. FISCAL INFORMATION

This is a budgeted project and funding will be provided by the Water Capital Improvement Fund 110. The budget for the entire project is \$200,000. The fiscal impact of the pump(s) replacement portion of the Cedar Ridge Booster Pumps & Station Upgrade project is \$130,413.00, NOT including any sales tax and freight charges. These charges will be in addition to the aforementioned total. Installation of these items will be done in-house by the Mechanical Maintenance Department.

In addition to replacing the pumps and adding an emergency back-up generator, other work such as valves and electrical equipment replacement will need to take place, including the possibility of upgrading the existing SCE transformer.

E. ENVIRONMENTAL IMPACT

This project does not qualify as a project under CEQA.

F. ATTCHMENTS

- Cortech Engineering quote 5/21/2019



1340 N Jefferson ST • Anaheim • CA 92807

Phone (714) 779-0911 • Fax (714) 912-7330

www.cortechpumps.com

May 21, 2019

PRICED PROPOSAL

Lake Arrowhead Community Services District
27307 Hwy 189, Suite 101
Blue Jay, CA 92317

Attention **Tony Carricaburu**
Email **Tonyc@lakearrowheadcsd.com**
Subject **Flowserve Vertical Turbine Pump & Patterson Split Case Pump**
Proposal Number **DXP071-19-1715 Revision 01**
RFQ No. **LACSD – Cedar Ridge Vertical Turbine and Split Case Pumps**

We are pleased to submit Cortech Proposal #DXP071-19-1715 to supply (2) Vertical Turbine Pumps & Motors and (1) Split Case Pump & Motor with comments and clarifications noted.

Pumps

Flowserve Vertical Turbine Pump

* DESIGN: 440 USGPM @ 280' TDH *

Qty. (2) **Flowserve** Vertical Turbine Pump Model 12ELL (4 Stage) **using existing can**, Ductile Iron/416SS construction, Bronze Impeller, 416SS shaft, Fabricated Steel Head with 6" Discharge RF Flange, Open Lineshaft Packed Box, 50HP, 1800RPM, 3PH/60Hz/230-460V, Premium Efficient Motor per "Attached Pump Data Packet".

Patterson Split Case Pump

* DESIGN: 1500 USGPM @ 300' TDH *

Qty. (1) **Patterson** 6x5 MAA-B Split Case Pump, Cast Iron Construction with Bronze Impeller, Graphite Impregnated Fiber Packing, 150HP, 3600RPM, TEFC Motor with Base, Coupling, and Guard per "Attached Pump Data Packet".

Cortech Engineering Proposal **DXP071-19-1715**, Rev. 1
21-5-2019



Confidential Information

All drawings, specifications and technical information provided to the purchaser shall be treated as confidential and proprietary. In acceptance of this proposal, purchaser agrees not to permit any such drawings, specifications, or other such information to be shown or disclosed to anyone other than K P & Associates personnel who needs this information in connection with the work involved. Any other disclosure is specifically prohibited unless purchaser receives written permission from Cortech Engineering, LLC.

PRICING SUMMARY

Qty (2) Flowserve Vertical Turbine Pumps ... NET \$97,640.00

Qty. (1) Patterson Split Case Pump ... NET \$32,773.00

Terms & Conditions & General Commercial Comments

Should we be favored with a Purchase Order, it should be addressed to:

"Cortech Engineering LLC, a DXP Company".

- Prices are FOB: Shipping Point – Factory
- Prices quoted are valid for 30 days (expiration date of 21-Jun-19).
- Prices **DO NOT INCLUDE** any Freight, Taxes, Permitting, or Unloading at site.
- **Prices DO NOT INCLUDE** Installation.
- Start-up "Assistance" (2) Days Max., (8) hrs/day (Mon to Fri 8AM to 4PM) additional hours or days if required will be billed accordingly.
- Packing & Freight: will be **Prepaid & Add**
- Payment Terms – NET 30 DAYS upon credit approval by DXP.
- Flowserve standard Warranty, which requires removal and reinstallation by Owner, is based on 12 months from first start-up OR 18 months from shipment, whichever comes first.
- No representations are made other than those stated herein.

Cortech Engineering Proposal DXP071-19-1715, Rev. 1
21-5-2019



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We look forward to working with you on this important project. Do not hesitate to reach out to me should you have any comments or if you need additional information.

Sincerely,

Carl Cioffi

Sales Engineer
Cortech Engineering, LLC

Cortech Engineering Proposal DXP071-19-1715, Rev. 1
21-5-2019

PUMPS • COMPRESSORS • WATER TREATMENT • PROCESS SKIDS