

**Memorandum
Public Works Department**



To: City Manager
Subject: Emergency Raw Water Pump Purchase
Date: January 29, 2013
Number: 2013-029

In late November of 2012, Raw Water Pump #3 began having major vibration issues while in operation. The pump was taken out of service for repair of the rotating assembly. During repair cost estimation of Raw Water Pump #3 it was discovered that the cost to repair the pump due to the age and availability of parts far exceeded that of a new pump. Initial estimations to repair the pump range from \$113,000.00 to \$116,000.00. Three suppliers have been contacted to supply replacement and installation quotes, two of which have supplied quotes. Multiple attempts have been made to contact the third supplier, but to no avail. We are currently operating at less than optimum redundancy and only have the ability to modify pump rates of one raw water pump. Raw water pump #1 is a single speed pump which operates at 4.2 MGD and raw water pump #2 is a variable speed pump which has the ability to modify the pumping rates up to 6.6 MGD. If raw water pump #2 fails, the water treatment plant would only be capable of producing 4.2 MGD, which is 1.0 MGD less than a current average day's production demand. The replacement of the raw water pump #3 is critical to the sustainability and dependability of the water treatment plant operations. Electric Pump has supplied a quote of \$48,725.00 for purchase and installation of a new 4600 gpm pump and 250 HP motor. Replacement of Raw water pump #3 will allow us to return to normal operating redundancy, thus reducing unnecessary wear and tear on any single unit.

Accompanying this memorandum are the quotes for repair from Zimmer and Francescon, Inc. and LAI, Ltd. Also included are the quotes for replacement from Mississippi Valley Pump, Inc. and Electric Pump.

Recommendation

The Public Works Department recommends that the City Council approve the purchase of one complete raw water pump and motor, including installation to Electric Pump in the amount of \$48,725.00.

Vendor: Electric Pump
Payment Amount: \$48,725.00
Account Chargeable:
 Fund: 501 Water Operations
 Division: 618 Utilities
 Cost Center: 352 Water Treatment Plant
 Object Code: 52305 Auto/Equipment Supplies

Requisition Number:
Purchase Order Number:

Submitted by: Robert T. Hawes, P.E., Assistant City Manager/Public Works Director
Larry P. Cook, Utilities Superintendent

Approved by: Thomas Thomas, City Manager

QUOTATION

4280 E 14th Street
Des Moines IA 50313-2604 USA

Telephone: (515) 265-2222 / FAX (515) 265-8079
Toll Free 1-800-383-PUMP

www.electricpump.com

QUOTE NUMBER: 0098226
QUOTE DATE: 1/25/2013
REQUESTED DATE: 2/25/2013

SALESPERSON: BRET CALLISON
CUSTOMER NO: 7322300
QUOTED BY: jrh
JOYCE

QUOTED TO:
CITY OF ROCK ISLAND
1309 MILL STREET
ROCK ISLAND, IL 61201

JOB LOCATION:
CITY OF ROCK ISLAND
PUBLIC WORKS
2215 16TH AVENUE
ROCK ISLAND, IL 61201

CONFIRM TO:
DAVID JONES 309-732-2310

*** QUOTE ORDER - DO NOT PAY ***

CUSTOMER P.O.	SHIP VIA	F.O.B.	TERMS
DAVID JONES	BESTWAY	ORIGIN	Net 30 Days

ITEM NUMBER	UNIT	ORDERED	SHIPPED	BACK ORDER	PRICE	AMOUNT
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REVISED 1/25/13 REVISED 1/25/13

WE ARE PLEASED TO OFFER THE FOLLOWING QUOTATION FOR
REPLACEMENT RAW WATER PUMP TO PRODUCE 4600 GPM @
182' TDH:

*	EACH	1.00	0.00	0.00	48,725.00	48,725.00
AMERICAN MARSH 10X14-15 VERTICAL HD W/ BASE CI/BF, PACKED STUFFING BOX, INBOARD DOUBLE ROW BEARING, OUTBOARD BRONZE FLUTED BUSHING, BRONZE CASE WEAR RING, 420SS SHAFT WITH BRONZE SLEEVE, NONSPACER COUPLING WRAPFLEX 40R.10, HORIZ MOTOR 250 HP, 1800 RPM, 449TC PE						

THE ABOVE PRICING INCLUDES LABOR TO INSTALL AND PIPE
NEW RAW WATER PUMP, MATERIALS TO PLUMB IN NEW PUMP.

ANY ELECTRICAL MODIFICATIONS LIKE CONDUIT, WIRE,
CONTROLS OR MOTOR OVERLOADS WILL BE BY OTHERS.

THIS QUOTE INCLUDES ONLY MATERIAL AND SERVICE LISTED,
IF OTHER UNFORESEEN ITEMS OR ISSUES ARRISE, WE WILL
NOTIFY YOU PRIOR TO PROCEEDING.

LEAD TIME 18-20 WEEKS FROM RECEIPT OF ORDER AND
APPROVAL.

Electric Pump is committed to supplying you, our
customer, the highest quality products & service.
joyceh@electricpump.com
THANK YOU, JOYCE HANSON

ORIGINAL


MISSISSIPPI VALLEY PUMP, INC.
435 S. Devils Glen Road
Bettendorf, IA 52722

Phone: 563-359-3223
Fax: 563-359-6737
Toll Free: 877-711-7587

QUOTATION

TO: City of Rock Island, IL.

DATE: 1/14/13

ATTN: David Jones

RE: Water Plant Pump

MVP is pleased to offer the following quotation for one (1) New Flowserve Pump Model #300-LNNV-600AA (bare pump only), Ductile iron casing, cast iron impeller, cast iron casing wear ring, carbon steel impeller wear rings, 1040 steel shaft, 13% chrome steel shaft sleeves, mechanical seal, plan 13 piping, rated for 4600 GPM @ 182' TDH.

TOTAL PRICE \$75,350.00 + Frt.
Delivery time – 28 weeks

If you have any further questions regarding this quotation please contact me at the above listed number.

Respectfully Submitted:

Shellie Cabana

Shellie Cabana

