

**Memorandum
Public Works Department**



To: City Manager
Subject: VFD Drive Replacement for RWP #2
Date: March 27, 2012
Number: 2012-074

On Thursday, March 15, 2012, during installation and start-up for the recently cleaned and rewound motor for Raw Water Pump #2, it was discovered that the VFD Drive was inoperable. Raw Water Pump #3 also failed to operate on Thursday, March 15, 2012, due to overheating as a result of an inoperable cooling fan. The water treatment plant was down to only one operable pump, Raw Water Pump #1. With a pumping capacity of only 4.4 MGD, Raw Water Pump #1 alone would not be enough to sustain the City's water demand for more than 2-3 days. Replacing the cooling fan on Raw Water Pump #3 was not an option as the part is no longer available and modifications to the control panel will have to be made. A new Open Style VFD Drive was ordered for Raw Water Pump #2 on Friday, March 16, 2012, for over-night delivery and received on Saturday, March 17, 2012. Raw Water Pump #2 was placed back in service on Monday, March 19, 2012.

Accompanying this memorandum is the invoice from Graybar for the Open Style VFD Drive, Mounting Kit, and Freight.

Recommendation

The Public Works Department recommends that the City Council approve the emergency purchase of the Open Style VFD Drive and its associated costs in the amount of \$12,970.20.

Vendor: Graybar
Payment Amount: \$12,970.20
Account Chargeable:
Fund: 501 Water Operations
Division: 618 Utilities
Cost Center: 352 Water Treatment Plant
Object Code: 52304 Electrical Supplies

Requisition Number: R0003197
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

Remit To: **Graybar**

12431 COLLECTIONS CENTER DRIVE
CHICAGO IL 60693-2431

INVOICE

Invoice Questions Please Call

563-388-8182

Invoice No: 959336283
Invoice Date: 03/19/2012
Account Number: 0000329090
Account Name: CITY OF ROCK ISLAND

415.001.006.02761
CITY OF ROCK ISLAND
1528 3RD AVE
ROCK ISLAND IL 61201-8612

Ship to: CITY OF ROCK ISLAND
WATER TREATMENT PLANT
2215 16TH AVE
ROCK ISLAND IL 61201-3600

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Order No: LARRY COOK						SO#: 338485226	
Del. Doc. #:	PRO #	Routing	Date Shipped	Shipped From	F.O.B.	Rt. To	
0338485226			03/17/2012	FACTORY			
Quantity	Catalog # / Description			Unit Price / Unit		Amount	
1	ATV71HC20N4 SCHNEIDER ELECTRIC USA INC SPEED DRIVE 300HP 460V ATV71			11523.40 / 1		11523.40	
1	VW3A9213 SCHNEIDER ELECTRIC USA INC TYPE 1 KIT ATV6171HC20N4 - HC28N4			422.80 / 1		422.80	
	INBOUND FREIGHT					1024.00	

Terms of Payment

Net 30 Days

As a condition of the sales agreement, a monthly service charge of the lesser of 1-1/2% or the maximum permitted by law may be added to all accounts not paid by net due date. Visa, MasterCard, American Express, and Discover credit cards are accepted at point of purchase only.

Sub Total	12970.20
Freight	0.00
Handling	0.00
Tax	0.00
Total Due	12970.20

RECEIVED
MAR 26 2012
CITY OF ROCK ISLAND
FINANCE DEPARTMENT

Subject to standard terms and conditions on the reverse side.

