#### June 17, 2014

To: Mayor Bemrich and City Council

From: David Fierke, City Manager

**Subject: Approving Work Authorization 2275-45** 

**Replacing Variable Frequency Drives for Recirculation** 

Pumps #2 & #3

**ACTION:** For vote Monday, June 23, 2014

#### **Brief History**

Replace 2 variable frequency drives on recirculation pumps at the wastewater plant.

#### **Analysis of Issue**

Attached is Work Authorization Request 2275-45 from US Water for the replacement of variable frequency drives for RAS pumps #2 and #3. Automatic Systems will install wire, program, and start-up the replacement drives for a cost of \$10,575.00. US Water will be paid \$1,721.51 to administer the request including the installation and start-up. The total cost of the project is \$12,296.51.

#### **Budget Impact**

This item will be funded with Sanitary Sewer Utility funds.

#### **Strategic Plan Impact**

NA

#### **Impact on Existing Plans**

ΝΔ

#### **Committee Review / Recommendation**

NA

#### **Staff Conclusions / Recommendations**

Staff recommends approving Work Authorization Request 2275-45 from US Water at a cost of \$12,296.51.

#### **Alternatives**

None

### **Implementation and Accountability**

US Water will be responsible for overseeing this project.

Signed

Chad W. Schaeffer, P.E.

City Engineer

Approved

David Fierke

m W

City Manager



## WORK AUTHORIZATION REQUEST

Water and Wastewater Operations, Maintenance, Engineering, Design, Management Providing Innovative Solutions Encompassing the Water and Wastewater Industry INVOICE #2275-45 DATE: JUNE 10, 2014

**EXPIRATION DATE** 

1801 Ave O - Fort Dodge, IA 50501 Phone 515.955.4484 Fax 515.573.2212 mmoler@uswatercorp.net

TO City of Fort Dodge, IA 819 1<sup>st</sup> Ave South Fort Dodge, IA 50501 515.576.3601

SALESPERSON	JOB	SHIPPING METHOD	SHIPPING TERMS	DELIVERY DATE	PAYMENT TERMS	DUE DATE
Automatic Systems	RAS Pump #2	N/A	N/A			

QTY	ITEM #	DESCRIPTION	UNIT PRICE	DISCOUNT	LINE TOTAL
1		PowerFlex 753 Variable Frequency Drive 20 HP/480 VAC: including Remote HIM Module, Installation, wiring, programming and startup services. Includes engineering services to update Operation & Maintenance manuals to include interconnect drawings between new VFD & existing control panel.			
		One year warranty from date of startup.			\$5,945.00
	!				
				<u> </u>	
			CONTRACTORS ADMINISTRATION & OVERHEAD		\$5,945.00 
					\$967.79
				TOTAL	\$6,912.79

Quotation prepared by: Michael Moler, Project Manager
This is a quotation on the goods named, subject to the conditions noted below: (Describe any conditions pertaining to these prices and any additional terms of the agreement. You may want to include contingencies that will affect the quotation.)
To accept this quotation, sign here and return: by: Matt Bemrich, Mayor
DATE
THANK YOU FOR YOUR BUSINESS!



# WORK AUTHORIZATION REQUEST

Water and Wastewater Operations, Maintenance, Engineering, Design, Management Providing Innovative Solutions Encompassing the Water and Wastewater Industry

INVOICE #2275-45 DATE: JUNE 10, 2014

**EXPIRATION DATE** 

1801 Ave O - Fort Dodge, IA 50501 Phone 515.955.4484 Fax 515.573.2212 mmoler@uswatercorp.net

TO City of Fort Dodge, IA 819 1<sup>st</sup> Ave South Fort Dodge, IA 50501 515.576.3601

SALESPERSON	JOB	SHIPPING METHOD	SHIPPING TERMS	DELIVERY DATE	PAYMENT TERMS	DUE DATE
Automatic Systems	RAS Pump #3	N/A	N/A			

QTY	Y ITEM # DESCRIPTION		UNIT PRICE	DISCOUNT	LINE TOTAL
1		Replacement VFD including: onsite installation, programming and startup services			
		One year warranty from date to startup.			\$4,630.0
_					
			CONTRACTORS ADMINISTRATION & OVERHEAD		\$4,630.0
					\$753.7
				TOTAL	\$5,383.7

			40,00011
Quotation prepared by: Michael Moler, Project Manager	77	20	6/10/14
This is a quotation on the goods named, subject to the conditions noted below: (Descrany additional terms of the agreement. You may want to include contingencies that w	ribe any con vill affect the	ditions pertaining to e quotation.)	these prices and
To accept this quotation, sign here and return: by: David Fierke			
DATE			

THANK YOU FOR YOUR BUSINESS!