



**AGENDA ITEM FORM**

**SUBJECT: Request Authorization to Issue Purchase Order(s) for Saylorville Water Treatment Plant High Service Pump(s) and Equipment**

**SUMMARY:**

- In July of 2014, the Board of Water Works Trustees and the City of Johnston entered into a 28E Agreement for design and construction of a joint feeder main intended to help meet Johnston's water needs and ultimately alleviate system demand issues at the Tenny Standpipe.
- Under this agreement, water is to be supplied by the Saylorville Water Treatment Plant (SWTP).
- In order to reliably provide water of adequate quantity and at the correct pressure a new pump, associated electrical equipment, and piping will have to be installed at the SWTP.
- On December 10, 2014, separate proposals were received for the purchase of additional high service pump(s), variable frequency drive(s) (VFDs), and electrical distribution equipment.
- Attached is a summary of the submitted proposals.
- Four vendors requested contract documents and specifications for the new Pump(s). Three vendors submitted proposals. The lowest responsible bidder was Superior Industrial Equipment for the base bid amount of \$75,310.88 for one pump and an alternate bid of \$150,621.76 for two pumps.
- Four vendors requested contract documents and specifications for the VFDs. Two vendors submitted proposals. The lowest responsible bidder was Automatic Systems for the base amount of \$62,573.00 for one VFD and an alternate bid of \$122,802.00 for two VFDs.
- Three vendors requested contract documents and specifications for the new electrical transformer and switchgear. Two vendors submitted proposals. The lowest responsible bidder was Graybar in the amount of \$134,410.00.
- Staff recommends that three purchase orders for the base bid of one new Pump, one new VFD, and the base bid electrical equipment be issued to the lowest responsible bidders, in the amount of \$272,293.88. Each equipment provider has previously performed work on projects with the Des Moines Water Works.
- The Engineer's cost estimate for design and construction of the new pumping facility is estimated at \$790,000 of which this equipment is only a portion of the total cost.
- The engineer's estimate for the base bid purchase of one Pump and Equipment is \$353,000.00. The engineer's estimate for alternate bid for purchase of two Pumps and Equipment is \$523,000.00.

**FISCAL IMPACT:**

The remaining work plan budget for the Saylorville Water Treatment Plant West Feeder Main is \$2,497,023. The above accepted proposals of \$272,293.88 for the purchase and the new Pump and Equipment estimated bid of \$272,293.88 will obligate \$2,224,729.12 of the remaining Work Plan budget.

**RECOMMENDED ACTION:**

Authorize staff to issue three Purchase Orders to the lowest responsible bidders, for the total amount of \$272,293.88, for purchase of the new Pump and Equipment.

**BOARD REQUIRED ACTION:**

Motion to authorize staff to issue three Purchase Orders for the lowest responsible bidders, for the total amount of \$272,293.88, for purchase of the new Pump and Equipment.

_____ / _____ Nathan W. Casey, P.E. (date) Professional Engineer	_____ / _____ Danny J. Klopfer, P.E. (date) Engineering Services Manager	_____ / _____ William G. Stowe (date) CEO and General Manager
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# DES MOINES WATER WORKS



## Project Description:

Saylorville Water Treatment Plant: Johnston High Service Pumps

## SUMMARY OF PROPOSALS

### Saylorville Water Treatment Plant - Johnston High Service Pumps

	NAME AND ADDRESS			
	Superior Industrial Eq. 4325 SE Beisser Dr. Grimes, IA 50111	Engineers Estimate	Zimmer & Francescon 6200 65th Ave. Moline, IL 61265	Iowa Pump works 825 SW Ordinance Ankeny, IA 50023
Base Bid - 1 Pump	\$75,310.88	\$90,000.00	\$ 99,835.00	\$100,347.71
Alt Bid 2 Pumps	\$150,621.76	\$180,000.00	\$ 191,294.00	\$200,695.42

### Saylorville Water Treatment Plant - Variable Frequency Drives

	NAME AND ADDRESS		
	Automatic Systems 2740 Ford St. PO 787 Ames, Iowa 50010	Engineers Estimate	Jetco Inc. 208 1st Ave. S. Altoona, IA
Base Bid - 1 VFD	\$62,573.00	\$80,000.00	\$80,288.59
Alternate Bid - 2 VFDs	\$122,802.00	\$160,000.00	\$148,869.71

### Saylorville Water Treatment Plant - Electrical Distribution Equipment

	NAME AND ADDRESS		
	GraybaR 600 E. 4th St. Des Moines, IA 50309	3E Company 953 73rd St. Windsor Heights, IA 50324	Engineers Estimate
1 - Distribution Transformer T4 Alternate A	\$95,169.00	\$97,673.50	\$103,000.00
2 - Switchboard 2	\$39,241.00	\$40,273.50	\$80,000.00
<b>TOTAL</b>	<b>\$134,410.00</b>	<b>\$137,947.00</b>	<b>\$183,000.00</b>
Alternate Item - Deduct for smaller transformer			
1 - Distribution Transformer T4 Alternate B	-\$68,061.00	-\$69,852.50	\$91,000.00