RESOLUTION 2014-11

Agenda Item

TO: Mayor and City Council

FROM: Mark S. Gaugh, City Manager

DATE: April 21, 2014

RE: Variable Frequency Drive Units Purchase

Issues

This fiscal year, we budgeted funds to install variable frequency drive units (VFDs) for three existing pumping units at #3 Reservoir. VFDs reduce electrical usage of the pump motors by changing the motor speed to match pumping conditions. The older technology used valves to restrict the amount of water that a pump could pump. This means that the motor runs full speed, thereby using maximum power. Reducing motor speed decreases the amount of electricity the motor consumes.

Three bids were obtained for this purchase, and the bids were all close to each other. The lowest bid, however, was submitted by System Controls, Inc., located in Liberty, Mo. System Controls is the same company that installed the VFD units on the High Service Pumps a few years ago. This will allow us to use the same service provider for the new units as we are the High Service units.

Recommendation

Staff recommends that the bid from System Controls be accepted for a bid price of $24,090.00. Funds are available and budgeted to cover this expense under line item 08-20-275-00.

Resolution 2014-11

A RESOLUTION TO PURCHASE PUMP STATION VARIABLE FREQUENCY DRIVE UNITS FROM SYSTEM CONTROLS, INC. FOR WATER PUMPING PURPOSES FOR THE CITY OF CAMERON, CLINTON AND DeKALB COUNTIES, MISSOURI

WHEREAS, the City of Cameron's water pumping operation can be improved by installing variable frequency drive units (VFDs); and

WHEREAS, the intent of the VFDs is to reduce electricity demand; and

WHEREAS, funds were budgeted this fiscal year to purchase VFD units to improve electrical efficiency and savings.

NOW, THEREFORE, BE IT RESOLVED by the Mayor and City Council for the City of Cameron, Clinton and DeKalb Counties, that Resolution 2014-11 hereby authorizes the purchase of VFD units from System Controls, Inc.

PASSED AND APPROVED this 21st day of April, 2014.

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Mayor Dennis M. Clark

ATTEST:

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City Clerk/Finance Clerk