



Agenda # 13
Commission Meeting Date:
October 16, 2012

**CITY OF GREAT FALLS
COMMISSION AGENDA REPORT**

Item: Final Payment – WWTP RAS Pump Upgrades, O.F. 1457.7
From: Engineering Division
Initiated By: Public Works Department
Presented By: Jim Rearden, Public Works Director
Action Requested: Approve Final Pay Request

Suggested Motion:

1. Commissioner moves:

“I move the City Commission approve Final Payment for the WWTP RAS Pump Upgrades, O. F. 1457.7 in the amount of \$99.00 to Cascade Electric Company, Inc., and \$1.00 to the State Miscellaneous Tax Fund and authorize the City Manager to make the payments.”

2. Mayor calls for a second, discussion, public comment, and calls for the vote.

Staff Recommendation: Approve final payment request.

Background:

Purpose: During a recent energy audit conducted at the Wastewater Treatment Plant through an ARRA program, it was recommended that the Return Activated Sludge (RAS) pumps be upgraded to improve their efficiency. As part of this project, the five RAS pumps were upgraded with variable frequency drives (VFDs) to better control their output and decrease the amount of energy required to operate them. The energy study estimated that the project would save \$6,941 per year running two pumps continuously. Current plant operations require three pumps to be running continuously which increases the energy savings for the project to approximately \$10,412 per year.

Original Bid Opening Date: Four bids were received and opened for this project on July 18, 2012.

Bid Amount: Cascade Electric Company, Inc. submitted the low bid of \$43,450.00.

Commission Award Date: The City Commission awarded the contract to Cascade Electric on August 7, 2012.

Final Payment: The final project cost is \$38,450.00 which is \$5,000.00 less than the amount that was awarded and approved. This difference was due to no additional work being required to retrofit the existing RAS pumps to work with the new VFD controls.

Project Work Scope

This project installed VFD controls on the five RAS pumps located at the Wastewater Treatment Plant, and the existing motor controls were removed. The VFD installations were done in a phased process to allow for normal plant operations.

Conclusion

City staff has verified that Cascade Electric has completed all work and punch list items in accordance with the plans and contract. The City can accept the project and execute the Final Payment. The project was completed within the contract time. The two year warranty period started at the time of substantial completion which was September 27, 2012.

Fiscal Impact:

This project was funded through a \$42,500 ARRA grant. The remaining portion of the ARRA funds paid \$4,050.00 of the \$6,420.00 contract amount for GPD Consulting Engineers who were design engineers for the project. Sewer Capital funds were used for the remaining consultant contract amount.

Alternatives:

The City Commission could vote to deny Final Pay

Attachments/Exhibits:

1. Application for Final Payment is attached.
Not available online - Available in the City Clerk's Office.