

COUNCIL ACTION FORM

SUBJECT: PRELIMINARY PLANS AND SPECIFICATIONS FOR CONTROL PANELS—HABER ROAD SUBSTATION

BACKGROUND:

This portion of the “Ames Plant Switchyard Relay & Controls Upgrade” project is for the purchase of control panels and related accessories for the Haber Road Substation. Upgrading these control panels will replace obsolete electro-mechanical devices with microprocessor based relaying and controls that will provide better coordination, communication, and reliability between equipment on the electric system. The Engineer’s estimate of the cost of these control panels is \$125,000. To date the project budget has the following items encumbered:

\$1,700,000.00	Amount Budgeted for Project
\$122,700.00	Encumbered Engineering for Ames Plant Switchyard (Approved by City Council on April 24, 2012.)
\$39,500.00	Contract Change Order to Engineering for Ames Plant Switchyard (Approved by Bob Kindred on October 8, 2013)
\$56,377.25	Actual cost for SF6 circuit breakers. (Awarded on July 13, 2013)
\$122,868.40*	Actual cost for electrical materials. (Awarded by City Council on July 23, 2013) *This amount includes applicable sales taxes to be paid directly by Ames to the State of Iowa.
\$198,469.55	Actual cost for Ames Plant Substation control panels. (Awarded by City Council on September 10, 2013)
\$372,460.40	Actual cost for materials installation phase for the Ames Plant Switchyard Project (Awarded by City Council on September 24, 2013)
\$7,809.00	Contract Change Order No. 1 to materials installation phase for the Ames Plant Switchyard Project (Approved by Don Kom on December 5, 2013)
<u>\$920,184.60</u>	Total committed to Date
\$125,000.00	Estimated cost for Control Panels for Haber Road Substation – this item (pending Council approval of plans and specifications for this agenda item)
\$654,815.40	Amount available to complete project (Relay and Controls equipment and installation at the Dayton and Stange substations.)

The approved FY2013/14 CIP for Electric Services includes \$1,700,000 for engineering, materials and construction of this project with Iowa State University contributing an estimated \$319,600 to the cost.

ALTERNATIVES:

1. Approve the plans and specifications for the Furnishing Control Panels for Haber Road Substation and set January 15, 2014, as the bid due date and January 28, 2014, as the date of hearing and award of contract.
2. Do not approve the plans and specifications at this time.

MANAGER'S RECOMMENDED ACTION:

This equipment will improve our existing relaying and controls by coordinating and communicating better with other new equipment installations on the electric system which will help Electric Services to continue providing safe, reliable, service to the customers in the City. Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1 as stated above.