Meeting Agendas/Info

CITY COUNCIL COMMUNICATION:

01-465

AGENDA:

SEPTEMBER 10, 2001

SUBJECT:

SOLE-SOURCE PROCUREMENT OF ELECTRICAL PROCESS CONTROL EQUIPMENT

TYPE:

RESOLUTION
ORDINANCE
RECEIVE/FILE

SUBMITTED BY:

WILLIAM STOWE
PUBLIC WORKS DIRECTOR

FLOYD BENTZ, P.E.
CITY ENGINEER

ITEM ____

OFFICE OF THE CITY MANAGER
CITY OF DES MOINES, IOWA

SYNOPSIS -

Approving and authorizing the sole-source procurement of electrical process control equipment for the Hawthorne Stormwater Pump Station from Van Meter Industrial (Jim Schmitt, President, 1751 Guthrie Avenue, Des Moines, Iowa).

FISCAL IMPACT -

Funding for this procurement is budgeted in the amount of $20,761.31 (Storm Pump Stations Enterprise Fund).

RECOMMENDATION -

Approval.

BACKGROUND -

The five-year pump equipment and service standardization agreement approved by the City Council on December 18, 2000, under Roll Call No. 00-4659, required Electric Pump & Tool Services, Inc. to review all current pump applications and develop a proposed replacement schedule for those pumps that are nearing the end of their useful life. City staff recommends that the pump and control equipment at the Hawthorne Stormwater Pump Station, which was constructed in 1977, be replaced based on an evaluation of this pump station by staff and Electric Pump & Tool Services, Inc. Des Moines pump station crews will replace the electrical process control equipment at the same time that the pump is being replaced.

The Wastewater Reclamation Facility (WRF) has been engaged in an extensive redesign of its process control system to improve the technology and further automate the facility and the pump stations thus reducing operational cost. This process control system (PCS) is being designed around the standard of "Allen Bradley"

	programmable logic controllers and variable frequency drives. Because of its reliability and reasonable price, it is our intention and PCS design choice to use control net, which is a proprietary Allen Bradley communications system. By using this specific technology, all process systems will be able to talk to each other. Our technicians are trained in testing, repairing, and programming of Allen Bradley equipment, and there is no need to stock parts because of the local availability. If other equipment were used, there would be additional equipment costs to tie to the Allen Bradley control net system and additional training costs and system analysis equipment costs would result. The territory representative for "Allen Bradley" is Van Meter Industrial, which is a local company based here in Des Moines. In order to meet the requirements of the process control system once implemented, staff recommends procurement of these items to assure compatibility and standardization of the system. Standardization will reduce the overall operation and maintenance cost at the facility.