

**CITY COUNCIL
COMMUNICATION:**

ITEM _____

**OFFICE OF THE CITY MANAGER
CITY OF DES MOINES, IOWA**

98-460

SYNOPSIS —

**AGENDA:
OCTOBER 5, 1998**

The #2 centrifuge rotating assembly has suffered extensive damage due to non-specific solid mass objects becoming lodged in the unit. The centrifuge is one of three Wastewater Reclamation Facility (WRF) operating units and is an integral component in the digested sludge and methane gas production processes at the WRF. The methane gas produced from the units accounts for approximately 30 percent of the facility's electrical needs which saves substantial dollars and have historically generated revenue in the form of contracted curtailment rebates through MidAmerican Energy programs.

**SUBJECT:
NON-
COMPETITIVE
(SOLE SOURCE)
PROCUREMENT
REPAIR SERVICE
FROM ALFA
LAVAL
SEPARATION INC.
(SHARPELS)**

FISCAL IMPACT -

The funding for the needed repairs is available in the Wastewater Reclamation Authority (WRA) Renewal and Replacement funds under the Index Code 056168, Subobject Code 2603.

**TYPE:

RESOLUTION
ORDINANCE
RECEIVE/FILE**

RECOMMENDATION -

Approval of Non-Competitive (sole source) procurement repair service from Alfa Laval Separation Inc. for basic repair of rotating assembly in the amount of \$115,417.

**SUBMITTED BY:

HAROLD SMITH
CITY ENGINEER**

BACKGROUND -

The WRF Sharpels Rotating Assembly having suffered major damage was sent to Alfa Laval Separation Inc. to be disassembled, cleaned, and inspected for repair. The result of the inspection and recommendations for repairs to the assembly will take approximately 14 weeks to complete. It is not known what caused the damage, but WRF staff has speculated that a heavy solid object in addition to several lining tiles passing

through the system may have been the cause. The centrifuge is one of three WRF operating units and is a vital component in the digested sludge and methane gas production processes at the WRF. The methane gas produced from the units accounts for approximately 30 percent of the facility's electrical needs which saves substantial dollars and has historically generated revenue in the form of contracted curtailment rebated through MidAmerican Energy programs.

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