



Legislation Text

File #: 17-852, Version: 1

CITY COUNCIL AGENDA ITEM

ACTION REQUESTED:

Approve the Award of Bid 17-191, Southeast Water Works Booster Pump Upgrades, to Brieser Construction for an amount not to exceed \$313,700, plus a 5% contingency.

DEPARTMENT: Water Utilities

SUBMITTED BY: Jim Holzapfel. Director

BOARD/COMMISSION REVIEW:

N/A

BACKGROUND:

The Water Utilities issued Bid 17-191 seeking vendors to replace two of three existing water booster pumps and upgrade associated electrical equipment for the Southeast Water Works.

The Southeast Water Works initially constructed in 1980 with three booster pumps, and a three-million-gallon underground reservoir attached the City's ground water supply (wells). In 1986, the station underwent an upgrade adding an additional three million gallons of reservoir capacity (for a total of six million gallons). The station underwent a final change in 1991 with modifications to receive Lake Michigan water from the DuPage Water Commission.

The booster pumps pump water from the site's underground six-million-gallon potable water reservoir into the water distribution system to maintain system pressure and provide water during periods of high demand and emergency fire flows.

Recently, one of the three pumps suffered a catastrophic failure where repairing the pump is not feasible. Additionally, one of the two remaining pumps is demonstrating problems (overheating) and after evaluation staff determined it is near failure and recommends it also be replaced.

All three pumps are at the end of their economic life and replacement is the most economical alternate to restore pumping capacity and ensure system reliability. The bid proposes to replace two of the three pumps. The replacement of the last pump will take place when it begins to show signs of failure.

DISCUSSION:

Advertisement Date:	10/23/17	Notices Sent:	109
Opening Date:	11/13/17	Planholders:	17
		Proposals Received:	4

The following were received

Company Name	Proposed Fee
<i>Engineer's Estimate</i>	<i>\$292,595</i>
Brieser Construction	\$313,700
Genco Industries	\$316,225
Independent Mechanical Industries, Inc.	\$316,630
Meccon Industries	\$370,900

The engineer's estimate is based on budgetary costs provided by the pump manufacturers early in the design phase. Prices for Bid 17-191 are slightly higher than expected; however, three of the four vendors are within \$3,000, which reflects a competitive bid.

FISCAL IMPACT:

CIP#: WU32

Pump improvements are expensed to the capital improvement program account listed below. A total of \$100,000 is budgeted for WU32 in CY2017. The difference between the budgeted amount and actual cost will be funded through savings on other capital projects including, WU04 (Water Distribution System - Rehabilitation and Replacements), WU08 (Water Main Oversizing Payments) and WU07 (Miscellaneous Waterworks Improvements).

Account Number	Fund Description	Total Budget Amount
430-3490-537.70-89	Water & Wastewater	\$8,852,500