



Legislation Text

File #: 17-698, Version: 1

**CITY COUNCIL AGENDA ITEM**

**ACTION REQUESTED:**

Approve the Award of Bid 17-158, Rehabilitation of Deep Well #20, to Municipal Well and Pump for an amount not to exceed \$365,949, plus a 5% contingency.

**DEPARTMENT:** Water Utilities

**SUBMITTED BY:** Jim Holzapfel, Water Utilities Director

**BOARD/COMMISSION REVIEW:**

N/A

**BACKGROUND:**

The City of Naperville's Water Utility maintains eight (8) emergency standby deep wells, which are operated and sampled monthly to ensure they will function when needed. The emergency standby well system will provide the City with water in the event of a prolonged interruption of the delivery of water from the DuPage Water Commission. All the wells in the system were last rehabilitated prior to the City receiving Lake Michigan Water. The goal of the program is to rehabilitate all of the City's eight wells within an eight-year period. To date, wells #16, #24, and #31 have been rehabilitated and are back in service.

In August 2017, the Water Utility issued Bid 17-158 for rehabilitation, equipment replacement and reactivation of Deep Well #20.

**DISCUSSION:**

|                                |                   |
|--------------------------------|-------------------|
| Advertisement Date: 08/09/2017 | Notices Sent: 179 |
| Opening Date: 08/24/2017       | Planholders: 10   |
|                                | Bids Received: 3  |

The following bids were received:

| <b>Company Name</b>        | <b>Bid Amount</b> |
|----------------------------|-------------------|
| Municipal Well and Pump    | <b>\$365,949</b>  |
| SUEZ Water Well Solutions  | \$391,940         |
| <i>Engineer's Estimate</i> | <i>\$397,200</i>  |
| Layne Christensen Co.      | \$418,644         |

**FISCAL IMPACT:**

CIP#: WU29 - Emergency Standby Well Rehabilitation

WU29 provides for annual rehabilitation of one standby well, which requires improvements due to several factors including age of existing pump, motor, electrical equipment and corrosion of underground piping. Old well pumps and motors become less reliable with age and wear and require periodic rehabilitation and/or replacement. Well #20 is scheduled for rehabilitation in 2017.

Rehabilitation to emergency standby wells are expensed to the capital improvement account listed below. A total of \$275,000 is budgeted for WU29 in CY2017.

Past projects did not include replacement of electrical equipment, only rehabilitation of the wells. This project incorporates the replacement of all electrical equipment as part of the rehabilitation for Well #20. Replacement of the electrical equipment was not originally included at the time the CIP was prepared. The existing electrical switch gear is over 40 years old and is not serviceable due to age (obsolescence). Furthermore, the switch gear is not expected to last another 40 years, which is the next time the well is scheduled for rehabilitation. The difference in cost will be covered by savings on other capital projects.

| <b>Account Number</b>   | <b>Fund Description</b> | <b>Total Budget Amount</b> |
|---|-------------------------|----------------------------|
| 430-3490-537.70-89  | Water & Wastewater      | \$8,852,500                |
| Per Council directive, contingency on construction projects is set at 3% on projects over \$500,000 and 5% on projects under \$500,000. |                         |                            |