



# City of Grand Island

Tuesday, November 24, 2015

Council Session

## Item G-12

**#2015-324 - Approving Well and Pipe Cleaning for the Grand Island Water System**

Staff Contact: Tim Luchsinger, Stacy Nonhof

# Council Agenda Memo

**From:** Timothy Luchsinger, Utilities Director  
Stacy Nonhof, Assistant City Attorney

**Meeting:** November 24, 2015

**Subject:** Well and Pipe Cleaning

**Presenter(s):** Lynn Mayhew, Assistant Utilities Director, Production

## Background

The Grand Island Water System has 21 wells on 1,200 acres between channels of the Platte River. Three of the wells send water through a Uranium Removal System installed in 2012, removing uranium that naturally occurs in the soil. This system uses a proprietary media that absorbs the uranium and then it is exchanged with new media once all the sites of the media are filled. Media exchanges are being required more frequently due to organic compounds that also naturally occur in the wells which are coating the media, reducing the amount of uranium that can be absorbed.

## Discussion

Operations and Engineering Staff along with the HDR Engineering consultant have been researching a solution to extend the life of the media. It was determined that wells and the piping from the wells to the Uranium Removal Plant need to undergo a cleaning process to remove the organic compounds.

The wells will be set up for an annual cleaning with carbon dioxide injected into the wells. The pipe will have a one-time cleaning using a method called ice pigging.

There is only one company that provides this type of service. Other methods, such as foam pigging and chemical cleanings have been investigated and found not to be as effective as ice pigging for this application. If the cleaning is not done, there may be additional costs associated with the number of media exchanges that are occurring to maintain the uranium removal.

Since only one company provides this type of service, engineering staff received a bid for these services on November 11, 2015.

Bidder	Bid Price
Utility Services Group (Ice Pigging)	\$36,000.00
Utility Services Group (Well rehabilitation)	\$36,000.00

The total contract price for these services would be \$72,000.

### **Alternatives**

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

1. Move to approve
2. Refer the issue to a Committee
3. Postpone the issue to future date
4. Take no action on the issue

### **Recommendation**

City Administration recommends that Council award the Contract for Wellfield Well and Pipe Cleaning to Utility Services Group of Atlanta, Georgia, as the sole source, with a bid in the amount of \$72,000.00.

### **Sample Motion**

Move to approve the bid from Utility Services Group for the well and pipe cleaning in the amount of \$72,000.00.

RESOLUTION 2015-324

WHEREAS, the Grand Island Water System has 21 wells between channels of the Platte River and three of the wells send water through a Uranium Removal System installed in 2012, removing uranium that naturally occurs in the soil; and

WHEREAS, this system uses a proprietary media that absorbs the uranium and then it is exchanged with new media once all the sites of the media are filled; and

WHEREAS, media exchanges are being required more frequently due to organic compounds that also naturally occur in the wells which are coating the media, reducing the amount of uranium that can be absorbed; and

WHEREAS, Engineering Staff along with HDR Engineering have determined that wells and the piping from the wells to the Uranium Removal Plant need to undergo a cleaning process to remove the organic compounds; and

WHEREAS, the wells we be set up to receive an annual cleaning with carbon dioxide injected into the wells, and the pipe will have a one-time cleaning using a method called “ice pigging”, and there is only one company that provides this type of service.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, the Utility Services Group of Atlanta, Georgia, as the sole source contractor to perform this work be awarded the contract in the amount of \$72,000.00.

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Adopted by the City Council of the City of Grand Island, Nebraska, November 24, 2015.

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Jeremy L. Jensen, Mayor

Attest:

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RaNae Edwards, City Clerk

Approved as to Form	☐ _____
November 20, 2015	☐ City Attorney