



AGENDA ITEM EXECUTIVE SUMMARY

Title: Recommendation to Award Bid for Well #13
Alternative Disinfection Improvements & Construction

Presenter: Chris Adesso

Please check appropriate box:

	Government Operations	X	Government Services 04.25.16
	Planning & Development		City Council

Estimated Cost:	\$72,287.00	Budgeted:	YES	X	NO	
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If NO, please explain how item will be funded:

Executive Summary:

The City currently uses chlorine gas to disinfect the water at most of its water treatment facilities, except the Wells 3 & 4 where we use sodium hypochlorite. Chlorine gas has long been the method of disinfection in the water industry, however in recent years there has been a trend toward other methods such as sodium hypochlorite. One of the reasons for this change is that the use of sodium hypochlorite removes some of the potential hazards associated with the storage and exposure to chlorine gas. In addition there are new regulations regarding disinfection byproducts associated with chlorine gas that staff anticipates will be mandated by the regulators in the future. The transition to sodium hypochlorite will help the City comply with these likely future regulations.

This project's scope includes the removal of existing chlorination gas equipment and retrofits the station with a liquid sodium hypochlorite feed system, that includes feed pumps, measuring equipment, transfer pumps, storage/day tanks and associated electrical work at the Well #13 location. This new liquid presents far less of a hazard to staff and reduces the potential hazardous impact to the surrounding area to virtually zero.

City staff, in partnership with its consulting engineer Trotter & Associates publicly bid this work on March 24, 2016 and two (2) bids were received on April 11, 2016. The lowest qualified bid was presented by Dahme Mechanical in the amount of \$72, 287.00. Dahme Mechanical meets the required experience criteria for this type of work and is in good standing with the City.

Attachments:

*Bid Summary *Engineering Recommendation to Award

Recommendation / Suggested Action (briefly explain):

Recommendation to Award Bid for Well #13 Alternative Disinfection Improvements and Construction to Dahme Mechanical in the amount of \$72,287.

For office use only

Agenda Item Number: 4.b



April 11, 2016

Mr. Tim Wilson
Water Division Manager
City of St. Charles
Two East Main Street
St. Charles, Illinois 60174

**Subject: City of St. Charles – Wells 8 and 13 Alternative Disinfection Improvements
Recommendation to Award**

Dear Mr. Wilson,

The bid advertisement for the City of St. Charles – Wells 8 and 13 Alternative Disinfection Improvements was advertised in the Kane County Chronicle on March 24, 2016. The City received bids until 11:00 a.m. on Monday, April 11, 2016 in accordance with the advertisement. Two bids were received for the project and these bids were opened and read aloud in Council Chambers. The following is a tabulation of the bids received:

<u>Company</u>	<u>Well 8</u>	<u>Well 13</u>	<u>Both Wells 8 & 13</u>
Dahme Mechanical Industries	\$77,242.00	\$72,287.00	\$147,888.00
Painting deduct	\$(3,200.00)	\$(3,200.00)	
 Hayes Mechanical	 \$100,000.00	 \$109,000.00	 \$191,000.00
Painting deduct.	\$(4,500.00)	\$(4,500.00)	

Dahme Mechanical Industries of Arlington Heights, IL was the apparent low bidder with a bid amount of \$147,888.00. We have reviewed the bidding documents and required certifications and confirmed that Dahme Mechanical Industries has provided a complete bid package. We requested Dahme Mechanical Industries to confirm their bid amount, which they did.

Trotter and Associates has worked with Dahme Mechanical Industries and we are confident that they are qualified to perform the work.

The Bidding Documents for this project were written to allow the City to accept the bid for work either at Well 8 or Well 13, or to accept the bid for both sites. Should the City elect to proceed with one site only, TAI recommends proceeding with the Well 13 work for \$72,287.00.

The low bid for this project was slightly higher than the engineer's estimate of \$145,000.00. If you should have any questions or wish to discuss this further please contact me at your earliest convenience.

Sincerely,

Mark Sikora, P.E.
Vice President