



ST. CHARLES
SINCE 1834

AGENDA ITEM EXECUTIVE SUMMARY

Title: Recommendation to Approve Well #8 Emergency Repairs Budget Addition / Amendment and Bid Waiver

Presenter: John Lamb

Please check appropriate box:

<input type="checkbox"/>	Government Operations	<input checked="" type="checkbox"/>	Government Services 04.25.11
<input type="checkbox"/>	Planning & Development	<input type="checkbox"/>	City Council
<input type="checkbox"/>	Public Hearing	<input type="checkbox"/>	

Estimated Cost:	\$182,179	Budgeted:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
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If NO, please explain how item will be funded:

Budget addition of \$182,179 from water fund reserves to account 210-91-02231-83.

Executive Summary:

On the morning of April 4 Well #8 lost power and went out of service as a result of a lightening strike. An electrical contractor confirmed this on April 6 by performing tests on the electrical components. The pump motor, located at a depth of approximately 800 feet, was shorted out as a result of the lightening strike. The pump, motor, cable and piping all had to be pulled from the well for evaluation and repair. The purchase of a rebuilt motor, associated parts and reconditioning of pipe and equipment are included in the not to exceed amount. City staff has contacted the insurance company on this situation for possible claim.

Preventative maintenance on this well was scheduled for FY13/14 at a cost of \$70,000. Staff has decided to perform this maintenance at this time since well is pulled and is included in the cost of \$182,179.

Staff requests waiving of bidding process for reason that Layne Western has performed all prior work on this well and others in the City. Contractor familiar with well site, equipment and system.

Attachments: (please list)

Layne Western estimate
Bid Waiver form

Recommendation / Suggested Action (briefly explain):

Request approval of budget addition, waiving of bidding process, and approval of Layne Western to perform Well #8 emergency repairs at an expected cost of \$182,179

<i>For office use only:</i>	<i>Agenda Item Number: 6.g</i>
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LayneChristensenCompany

WATER RESOURCES DIVISION



April 12, 2011

Mr. Paul E. Marschinke
 City Water Department
 City of St. Charles
 2 East Main Street
 St. Charles, IL 60174-1984

RE: Well No. 8

Dear Mr. Marschinke:

The 350 HP Byron Jackson submersible pump in your Deep Well No. 8 has been pulled following the apparent lightning damage. The 350 HP Byron Jackson 16", Type H, 2300 Volt submersible motor winding was burned out and the internal pressure buildup from the burn-out cocked the bottom can so that the oil leaked out of the motor. We will need to bail the oil (NSF 61) when we come back to reinstall the pump. Note that this motor is the obsolete 16" frame size that was manufactured in 1979.

There are two motor options which you requested we present, and I wish to detail these as follows:

OPTION #1	
• 400 HP, 17" Type H, 2300 Volt Byron Jackson factory rebuilt motor from our Aurora inventory with 12 months standard warranty.	\$132,594.00
• Less 350 HP Trade-in Credit at 50% of current 17" due to 16" obsolete motor.	-4,415.00
<i>Subtotal</i>	<i>128,179.00</i>
• Return freight on 350 HP, 16" to Maryland Flowserve factory.	1,000.00
TOTAL FOR OPTION 1	\$129,179.00
OPTION #2	
• 350 HP, 17" Type H, 2300 Volt Byron Jackson factory rebuilt motor with 6 weeks estimated time to ship from Maryland Flowserve factory.	\$114,683.00
• Less 350 HP Net Credit for 16" motor.	-4,415.00
• Return freight – old motor.	1,000.00
• Freight to Aurora, IL – rebuilt motor.	1,000.00
TOTAL FOR OPTION 2	\$112,268.00

Define • Develop • Deliver

Mr. Paul E. Marschinke
City Water Department
City of St. Charles
April 12, 2011
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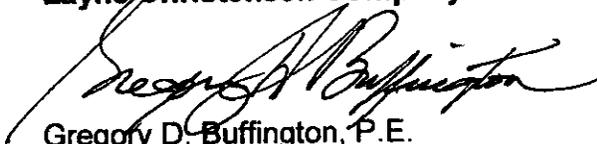
The all-bronze bowl assembly machine shop rebuilding cost should be under \$10,000.00, and we will shoot to have this done by this weekend. The several lengths of 8" column pipe needing rethreading or coupling work will be completed by this weekend. The total estimated cost for all of these machine shop repairs, the pulling and resetting labor, as well as bailing the oil and running a t.v. survey would cost approximately \$53,000.00. Our T & M Work Order rate schedule for labor and equipment is attached.

One item that we are not including is a hypot test on the high voltage power cable and motor lead assembly. The electrical department of the City is apparently going to do this test.

We will plan to be loading up everything next Monday, and either return Monday afternoon to the job or on the following day, Tuesday, to start the reinstallation.

Sincerely,

Layne Christensen Company



Gregory D. Buffington, P.E.
General Manager
Great Lakes Region

GDB/mcw



REQUEST FOR WAIVING BID PROCEDURE

We request the City Council to waive the bid procedure and accept the quotation (requiring two-thirds City Council vote) submitted by:

Layne Western Company
721 W. Illinois Avenue
Aurora, IL 60506

For the purchase of: Service for emergency repairs and preventative maintenance of Well #8. At a cost not to exceed: \$200,000.00

Reason for the request to waive the bid procedure: Layne Western has performed all prior work on this well and others in the City. Contractor familiar with well site, equipment and system.

Other Quotations Received: None

Date: 4/25/2011

Requested by: John Lamb

Department Director: Matt Woerner

Purchasing Manager: _____

Committee Chairman: _____

THIS REQUEST FORM MUST BE SIGNED BY ALL PARTIES PRIOR TO REQUESTING COMMITTEE APPROVAL FOR WAIVING OF THE BID PROCEDURE. REQUESTS FORWARDED DIRECTLY TO THE CITY COUNCIL (AND BYPASSING COMMITTEE) MUST BE SIGNED BY ALL PARTIES PRIOR TO REQUESTING CITY COUNCIL APPROVAL. SUCH REQUESTS ARE TO BE OF AN EMERGENCY NATURE WHERE TIME IS OF THE ESSENCE.