

**BID TABULATION**

Item Description: Replacement of Software for Electric Dept. SCADA System

Date: 6-18-2018

Budget Amount: \$300,000.00

	BHMG Arnold, MO					
Replace existing HMI with new Wonderware and Dream Reports software	\$56,316.00					
Replace existing 2030 Processors with RTAC's	\$36,855.00					
Additional cost per machine for Remote Interface (2)	\$4,000.00					
<b>Total</b>	<b>\$101,171.00</b>					



June 1, 2018

Jeff Hanshaw,  
1910 Holly Lane  
West Plains, MO 65775

Budget \$300,000.00

REF: SCADA System Upgrade

Subject: Replacement of existing software

Dear Mr. Hanshaw,

The City of West Plains, Missouri Municipal Utilities has expressed the desire to replace the existing Lookout SCADA system. West Plains has indicated that they would like the SCADA system to run on a virtual server with remote access allowed.

To date the existing SCADA software National Instruments Lookout is only certified to operate on Windows 8.1, while we have used it on Windows 10 operating systems we believe the latest version will be the last version that will be released. Technical support for the software has become almost nonexistent as well. With this information we believe the existing software is not capable of accomplishing what the City is proposing and with no upgrades available in the foreseeable future BHM is recommending a full replacement of the existing SCADA server software with a new system platform.

BHM proposes to replace the existing NI Lookout software with Wonderware InTouch 1000 point SCADA software. The existing SCADA screens will be duplicated in the new Wonderware software for familiarity of the operators. BHM will develop the screens, verify all data, and assist with the installation of the new software in the virtual machine. Included is one-year maintenance upgrades on the InTouch software. Additionally, the City would also like to have the capability of creating reports within the SCADA system. Dream Reports software will be included and BHM will develop one initial report in this proposal. Additional reports can be developed on a time and expense basis.

**Replacement of Existing HMI with New Wonderware and Dream Reports Software:**

**\$56,316.00**

The City of West Plains, Missouri Municipal Utilities has also expressed interest to replace the three existing SEL 2030 communications processors with new SEL 3530 RTAC communications processors. The new processors would allow the City to gather more information from each substation and display on SCADA if so desired. This proposal is for new processors duplicating the existing programs into the new processors and installation. If additional points are wanted in SCADA this will be done on an hourly basis.

**Additional Cost of Replacing the existing 2030 processors with RTAC's:**

**\$36,855.00**

The City also mentioned that there is an interest of having a remote web interface, an additional remote license would be required for each additional machine. If interested BHMG can provide, install and develop each machine.

**Additional Cost Per Machine for Remote Interface:**

**\$4,000.00**

BHMG Service Corp appreciates this opportunity to provide this proposal. Should any questions arise please call at your convenience.

Best regards,  
**BHMG Service Corp, Inc.**



Chuck E. Fiessinger  
Vice-President