

Approve purchase of water system equipment

**VILLAGE OF WATERLOO
RESOLUTION NO. 10-27-15-01**

WHEREAS, Mike Goddard with PeopleService, water system operator, has approached the Board of Trustees with a bid for controls for the water tower; and

WHEREAS, the Board of Trustees is in agreement with Mr. Goddard that the water system has a need for the following items:

Siemens PLC at tower site
Foxboro Pressure Transducer PLC at tower site
Banner Gateway I/O Radio at tower site
Banner Node Radio at valve controller site
Complete programming of PLC and configuration of touch screen interface
System design, drawings, assembly, testing, installation, startup and training
Total cost of \$8,900 including sales tax

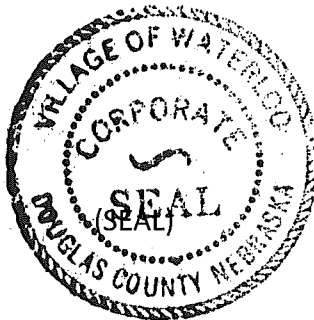
BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE VILLAGE OF WATERLOO, NEBRASKA, AS FOLLOWS:

THAT, the above equipment is hereby approved in the amount of \$8,900 for use on the water system.

PASSED THIS 27 DAY OF October, 2015

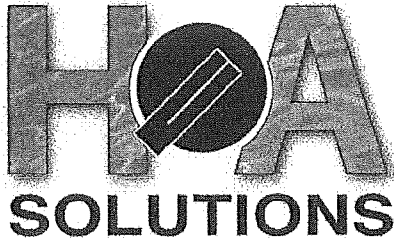
ATTEST:

Melissa Johnson
Melissa Johnson
Village Clerk



Village of Waterloo

Ken Hitchler
Ken Hitchler
Chairperson



Hydro Optimization and Automation Solutions

Waterloo Water
Attn: Michael Goddard
PO Box 127
509 South Front Street
Waterloo, NE 68069-0127

March 9, 2015

HOA Solutions provides a user friendly solution to viewing the water tower level and adjusting set points. The system that I am proposing utilizes a Siemens PLC along with a Siemens touch screen, and Banner I/O Radios. The touch screen will give you the capabilities of viewing the tower level, adjusting tower level set points, tower level alarms, and alarm management. HOA would supply and install a Siemens PLC, Banner Gateway radio, and a Foxboro pressure transducer at the tower site. The new pressure transducer is very user friendly and can be set to display the tower level however the operator prefers. The new Siemens PLC would work with the existing alarm dialer to call you out in case of an alarm.

HOA would supply and install a Banner I/O radio at the valve controller site. This radio will receive the signal from the tower radio and open and close the valve to fill the tower. This radio would also send a signal to the tower PLC and alarm if there is a power failure or communication failure at the valve controller site.

This proposal includes the following equipment and services:

1. One (1) new Siemens PLC @ Tower Site
2. One (1) new Foxboro Pressure Transducer PLC @ Tower Site
3. One (1) new Banner Gateway I/O Radio @ Tower Site
4. One (1) new Banner Node Radio @ Valve Controller Site
5. Complete programming of PLC and configuration of touch screen interface.
6. System design, drawings, assembly, testing, installation, startup and training.

Price for the above equipment and services \$ 8,900.00

Sales tax is included in the above quote.

Please contact me with any questions.

Regards,

A handwritten signature in black ink, appearing to read 'Mitch Bargmann'.

Mitch Bargmann
HOA Solutions Inc.

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