
**VILLAGE OF SUGAR GROVE
BOARD REPORT**

TO: VILLAGE PRESIDENT & BOARD OF TRUSTEES
FROM: BRAD MERKEL, DIRECTOR OF PUBLIC WORKS
SUBJECT: RESOLUTION: PURCHASE OF REPLACEMENT PLC AND TOUCH
SCREEN WELLS 8 & 9
AGENDA: APRIL 4, 2023 REGULAR BOARD MEETING
DATE: MARCH 17, 2023

ISSUE

Should the Village Board approve a resolution for the purchase of a replacement PLC and Touch Screen Wells 8 & 9.

DISCUSSION

The current PLC and Touch Screens at Wells 8 & 9 Treatment Plants are outdated, failing and unserviceable. This equipment was installed at the time of construction at Well 8 in 2002 and Well 9 in 2003. Staff worked with our SCADA Contractor to obtain pricing that includes materials, installation and start-up. Below is a breakdown of what is included for replacement PLC and Touch Screens. The Total cost for the replacement PLC and Touch Screen for Wells 8 & 9 from Advanced Automation & Controls, Inc. is \$36,720.00.

1. Replace existing obsolete Allen Bradley SLC hardware with current Allen Bradley CompactLogix hardware.
2. Replace obsolete touch panel with Beijer touch panel.
3. Allen Bradley MicroLogix 1400 PLC for radio interface.
4. 24VDC Power Supply
5. Sixnet 8-port Ethernet Switch
6. Programing: New PLC program, New Touch Panel Program and Scada integration.
7. Wiring, installation and configuration.

COST

The cost of the replacement PLC and Touch Screen for Wells 8 & 9 is \$36,720.00. Account number 50-71-7011 Water System Improvements has surplus funds for the replacement of the PLC and Touch Screen for Wells 8 & 9.

RECOMMENDATION

The Village Board approves **Resolution # 20230404PW3** authorizing the purchase of replacement PLC and Touch Screen for Wells 8 & 9 from Advanced Automation & Controls, Inc. in the not to exceed amount of \$36,720.00.



RESOLUTION NO. 20230404PW3

VILLAGE OF SUGAR GROVE, KANE COUNTY, ILLINOIS

**RESOLUTION AUTHORIZING EXECUTION OF AN AGREEMENT WITH
ADVANCED AUTOMATION & CONTROLS, INC. FOR THE PURCHASE
OF REPLACEMENT PLC AND TOUCH SCREEN WELLS 8 & 9.**

WHEREAS, the Village of Sugar Grove Board of Trustees find that it is in the best interest of the Village to engage the services of Advanced Automation & Controls, Inc. for the Purchase of Replacement PLC and Touch Screen for Wells 8 & 9 and to execute the attached agreement;

NOW, THEREFORE, BE IT RESOLVED by the President and Board of Trustees of the Village of Sugar Grove, Kane County, Illinois, as follows:

The President and Clerk are hereby authorized to execute said agreement on behalf of the Village and to take such further actions as are necessary to fulfill the terms of said agreement.

Passed by the President and Board of Trustees of the Village of Sugar Grove, Kane County, Illinois, at a regular meeting thereof held on the 4th day of April, 2023.

Jennifer Konen, President of the Board
of Trustees of the Village of Sugar Grove,
Kane County, Illinois

ATTEST:

Alison Murphy, Clerk
Village of Sugar Grove

	Aye	Nay	Absent	Abstain
Trustee Matthew Bonnie	_____	_____	_____	_____
Trustee Sean Herron	_____	_____	_____	_____
Trustee Heidi Lendi	_____	_____	_____	_____
Trustee Michael Schomas	_____	_____	_____	_____
Trustee Ryan Walter	_____	_____	_____	_____
Trustee James F. White	_____	_____	_____	_____
President Jennifer Konen	_____	_____	_____	_____