

AGENDA ITEM

TO: Tim Vandall, City Administrator
FROM: Anthony J. Zell, Jr., Wastewater Utility Director 
DATE: October 13, 2022
SUBJECT: Gas Monitoring System Replacement Request

When the new facility was constructed in 2005, a hazardous gas monitoring system was installed in the Headworks Building on both the upper and lower levels. The purpose of the system is to monitor for hazardous environments inside the building, and alert staff of the conditions prior to entry.

Over the last 17 years, the sensors and controls for the system have become obsolete and are no longer available. Staff solicited quotes from two vendors to update the system to current technology. Part of the upgrade includes reusing existing conduit and weatherproof cabinets to save money on installation costs.

RE Pedrotti, the system integrator for the SCADA system, and TG Tech, the gas monitoring calibration and service contractor have provided pricing to replace the system. This would include the removal of the old sensors and controls, installing new sensors, calibration, programming, and start up.

A copy of the quotation is attached for your review.

Policy Consideration: N/A

Financial Consideration: Funds for this are available in the Utility's base budget.

Action: A motion to approve the replacement quote from RE Pedrotti Company to replace the gas monitoring system at a total cost of \$17,110.00

AGENDA ITEM



October 4, 2022

QUOTE No. 1360

Valid for 60 days

Mr. Tony Zell
City of Lansing
800 First Terrace
Lansing, KS 66043

Reference: WWTP – Headworks Building Gas Monitoring System Replacement Project

Dear Tony:

The **R.E. Pedrotti Company, Inc.** is pleased to provide you the following proposal for the project referenced above per your request:

The following materials and services will be furnished as part of this project:

<u>Item</u>	<u>Qty.</u>	<u>Description</u>
A.	Lot	Headworks Building Gas Monitoring Panel Modifications (existing; to reuse existing enclosure): To include: <ul style="list-style-type: none">• Disconnection and removal of existing MSA Model 5600 gas system controller (internal components only)• (4) Precision Digital PD6000-6R5 process meters• Phoenix Contact 24 VDC Panel Mounted Power Supply (2904601)• Phoenix Contact 750 VA Uninterruptible Power Supply (2905908)• Wiring terminals, wireways, fuses, relays, etc. as required
B.	Lot	RKI/TG Technical Services Gas Monitors System: To include: <ul style="list-style-type: none">• (2) M2A, Hydrogen Sulfide (H2S) 0-100 ppm, sensor / transmitter with j-box, cCSAus version• (2) M2A, LEL 0-100% sensor (catalytic) / transmitter with j-box, remote detector and calibration adapter/splash guard, UL version• (24 ft.) Poly tubing, 3/16" ID x 5/16" OD• Gas equipment calibration, setup and testing services
C.	Lot	Installation Services. Electrical wiring/cabling and mounting of new RKI gas monitoring equipment <i>Note: Existing gas monitoring system conduit will be reused where available</i>

<u>Item</u>	<u>Qty.</u>	<u>Description</u>
D.	Lot	System Commissioning Services. Includes SCADA system interface checkout & startup, on-site testing, startup documentation (including O&Ms)

TOTAL PRICE FOR ITEMS A-D: \$ 17,110.00**

****Clarifications/Exclusions:**

1. Pricing is exclusive of taxes, fees, bonds and licenses unless noted above.
2. Terms: Net 30 days
3. FOB Factory. **Freight included.**
4. This proposal assumes that all existing control system equipment interfaced with the new components being supplied as part of this project, both by R.E. Pedrotti Company and by others, is in good working order. Should it be discovered that any existing equipment is not in good working order during this project, an R.E. Pedrotti Co. agent will notify the Owner promptly of the problem or issue discovered. R.E. Pedrotti Company will not be responsible to resolve such issues unless agreed upon under a change order to this project or as part of a separate arrangement.
5. Electrical installation services included and described within this proposal will be carried out by a licensed, bonded and insured electrical sub-contractor to R.E. Pedrotti Company, Inc.

If you have any questions or comments, please do not hesitate to call.

Sincerely,

R. E. PEDROTTI COMPANY



Ed McGrath
edm@repedrotti.com