



500 West Big Beaver
Troy, MI 48084
troymi.gov

CITY COUNCIL AGENDA ITEM

Date: August 30, 2021



To: Mark F. Miller, City Manager

From: Robert J. Bruner, Assistant City Manager
Rob Maleszyk, Chief Financial Officer
Lisa Burnham, Controller
Richard Riesterer, Fire Chief
Peter Hullinger, Assistant Fire Chief
Emily Frontera, Purchasing Manager

Subject: Bid Waiver – Bauer Breathing Air Compressor Purchase – Fire Department

Background

Each fire station has been equipped with a stationary breathing air compressor and fill station for over 25 years. These systems are necessary to refill the breathing air cylinders of the firefighter's self-contained breathing apparatus (SCBA). Firefighters are required to wear an SCBA, for respiratory protection, whenever encountering immediately dangerous to life and health (IDLH) atmospheres. Once the cylinder of the SCBA is below a certain point, it must be refilled from an approved, certified breathing air compressor. This process ensures harmful contaminants are removed such as: carbon monoxide (CO) and nitrogen. During emergency incidents, this refilling procedure is typically performed by the department's truck-mounted mobile air compressor, better known as an air tender. Often times, however, these air cylinders are filled at the fire station after incidents, such as after car fires or training evolutions, where the air tender is not present.

These stationary breathing air compressors in the fire stations have extensive filtering and air monitoring equipment to make sure that the air meets all necessary quality air requirements. The air in these SCBA cylinders is different than "normal" breathing air. It is "compressed" to 4,500 PSI, in order to provide 20-30 minutes of breathing. It is scrubbed of contaminants, and processed through a dryer. The air must be very dry when pressurized into a cylinder. Otherwise, the residual moisture content could freeze control lines and cause the unit to fail.

The Fire Department historically has had a service contract with various vendors over the years, to maintain and repair all of our breathing air compressors. Air quality is tested, and any needed repairs and adjustments are made on a quarterly basis.

Purchasing

Maintaining a breathing air compressor and fill station at each fire station is vital to our emergency operation plan. Personnel at the fire stations often train at simultaneous times/days. And due to their status as volunteers, they can train at non-standard times. These SCBA units are required to be available to firefighters 24/7/365. As previously mentioned, the air tender is not at every call where



500 West Big Beaver
Troy, MI 48084
troymi.gov

CITY COUNCIL AGENDA ITEM

Purchasing (continued)

SCBA may be expended. It is important, therefore, that when a firefighter needs to refill an SCBA cylinder, they are not restricted or delayed. Maintaining breathing air compressors and fill stations at each of our fire stations ensures that SCBA will be maintained in a constant state of readiness. Extensive research was completed, and the Bauer fill station was identified as the best option. *Bauer Compressor of Norfolk, VA*, is the industry leader in breathing air compressor systems. They have an extensive track record for quality and expertise in the industry.

The Fire Department has received a quote for \$34,438.84, from *Breathing Air Systems of Reynoldsburg, OH*, to replace and install a new compressor and fill station at Fire Station #6. *Breathing Air Systems of Reynoldsburg, OH* is the authorized sole-source distributor of the Bauer fill station, and the Fire Department's current contracted service provider. A copy of the quote and the specification information is attached.

Financial

Funds are budgeted and available in the Fire Department Building and Improvements Capital Fund under project number 2022C0026 for the fiscal year 2022. Expenditures will be charged to account number 401.336.344.7975.080.

Recommendation

City Management recommends waiving the bid process and awarding a contract to *Breathing Air Systems of Reynoldsburg, OH* for the purchase and installation of one (1) new *Bauer* air compressor and fill station at Fire Station 6 for an estimated total cost of \$34,438.84 as detailed in the attached quote.



8855 E BROAD ST
REYNOLDSBURG, OH 43068

SALES & SERVICE CENTERS

SALES@BREATHINGAIR.COM | SERVICE@BREATHINGAIR.COM

OHIO - CORP HQ
614.864.1235

INDIANA/KENTUCKY
614.986.1025

NORTH CAROLINA
336.674.0749

PENNSYLVANIA
412.564.5756

FLORIDA
352.629.7712

MICHIGAN
517.786.4060

TENNESSEE
423.634.3184

ILLINOIS
217.768.4408



a Subsidiary of Breathing Air Systems

210 LABRADOR DR.
RANDELMAN, NC 27317

WWW.BREATHINGAIR.COM

THE NATION'S LARGEST DISTRIBUTORS OF



Quote

Page 1 of 3

Breathing Air Systems
8855 E Broad Street
Reynoldsburg OH 43068
United States

Requested By: Eric Emmons
Title:
Email: Eric.emmons@troymi.gov
Phone: (248) 524-3417

Date 07/08/2021
Quote # QUO-OH3423
Customer ID 700134

Expires 09/06/2021

Terms Net 30

Shipping Method LTL Motor Freight

FOB

Est Delivery Time

Bill To

TROY FIRE DEPT
500 W. BIG BEAVER
TROY MI 48084
United States

Ship To

Eric Emmons
PO2021-00000120
TROY FIRE DEPT
6399 JOHN R
Troy MI 48084
United States

Sales Rep: Patrick Linn
Sales Rep Email: plinn@breathingair.com
Sales Rep Phone: (614) 986-1015

A 3% CREDIT CARD CONVENIENCE FEE WILL BE ADDED TO ALL ORDERS AT TIME OF FULFILLMENT FOR ALL CREDIT CARD TRANSACTIONS EXCEEDING \$1,200.00. A WIRE FEE OF \$45.00 WILL BE ADDED TO ALL ORDERS PAID BY WIRE.

NOTE: Our quotes do not include the offloading, uncrating, or placement of compressors or fill stations. Customers are responsible for the wiring to or into an electrical compressor and to the electrical supply. Warranty is as proposed.

| Item | Quantity | Description | Rate | Amount | Tax Rate |
|--------------|----------|---|-----------|-----------|----------|
| LEGACY-13-E3 | 1 | <p>VERTECON 13CFM 6KPSI 10HP Bauer Open Vertical Compressor/Purifier configured for 13.0 scfm, 6000 psig, 4-stage compressor, 10 hp, three phase motor and 67,000 scf capacity purifier, integrated purification system that meets NFPA 1989 requirements for firefighting and CGA Grade E air for SCUBA, purifier includes steel mechanical separator chamber, as well as purifier safety vent port to prevent operating system w/o cartridge. Standard with Bauer long-life, well-cooled, oil-pressure lubricated compressor block with stainless steel intercoolers, high-temperature & low oil pressure shutdowns. Mounted pressure gauges for oil, final stage and purifier. Includes PLC , lighted on/off switch, hour meter, emergency stop button, safety over-time timer, motor controls/protection and UL-rated electrics.</p> <p>AUTO CONDENSATE DRAIN SYSTEM -Timed automatic drain, includes silencer and collection reservoir and user display indicator if "full".</p> | 22,855.00 | 22,855.00 | |



8855 E BROAD ST
REYNOLDSBURG, OH 43068

SALES & SERVICE CENTERS
SALES@BREATHINGAIR.COM | SERVICE@BREATHINGAIR.COM

OHIO - CORP HQ
614.864.1235

INDIANA/KENTUCKY
614.986.1025

NORTH CAROLINA
336.674.0749

PENNSYLVANIA
412.564.5756

FLORIDA
352.629.7712

MICHIGAN
517.786.4060

TENNESSEE
423.634.3184

ILLINOIS
217.768.4408



a Subsidiary of Breathing Air Systems

210 LABRADOR DR.
RANDELMAN, NC 27317

WWW.BREATHINGAIR.COM

THE NATION'S LARGEST DISTRIBUTORS OF



Quote

Page 2 of 3

Breathing Air Systems
8855 E Broad Street
Reynoldsburg OH 43068
United States

Date 07/08/2021
Quote # QUO-OH3423
Customer ID 700134

| Item | Quantity | Description | Rate | Amount | Tax Rate |
|-------------------------|----------|--|-----------|-----------|----------|
| | | MTD INTERSTAGE PRESSURE GAUGES SECURUS PURIFIER MONITOR SYSTEM - Built-in, continuous monitor for purification cartridges. - Includes user display indicators for "safe", "high moisture", "cartridges expired" and "contact fault". - Automatic system shutdown for faults; fail-safe (can not be over-ridden); no warm up required. - Can extend the purifier cartridge's useable life. | | | |
| BAS218S | 1 | Monitor, Carbon Monoxide, Includes control panel and test gas | 2,575.00 | 2,575.00 | |
| CFS5.5-1SX4X 4 | 1 | Fill Station - BAUER- Class 2. Independently tested containment fill station meets NFPA 1901. Fills one SCBA cylinder and has four cascade controls with valves and gauges. Features cylinder scuff guard - fill control panel with adjustable regulator - SCBA fill connection - side mounted cascade control panel - Fill hose with bleed valve and safety door interlock. | 11,158.05 | 11,158.05 | |
| Subtotal | | | | 36,588.05 | |
| Discount 15% | | | -15.00% | -5,488.21 | |
| Labor | 20 | Service Labor- per hour | 119.00 | 2,380.00 | |
| SLP-HP-WITH START-UP | 1 | Single High Pressure Air Test Kit to be taken at time of start-up by Breathing Air Service Technician. | 128.00 | 128.00 | |



8855 E BROAD ST
REYNOLDSBURG, OH 43068

SALES & SERVICE CENTERS
SALES@BREATHINGAIR.COM | SERVICE@BREATHINGAIR.COM

OHIO - CORP HQ
614.864.1235

INDIANA/KENTUCKY
614.986.1025

NORTH CAROLINA
336.674.0749

PENNSYLVANIA
412.564.5756

FLORIDA
352.629.7712

MICHIGAN
517.786.4060

TENNESSEE
423.634.3184

ILLINOIS
217.768.4408



a Subsidiary of Breathing Air Systems

210 LABRADOR DR.
RANDELMAN, NC 27317

WWW.BREATHINGAIR.COM

THE NATION'S LARGEST DISTRIBUTORS OF



Quote

Page 3 of 3

Breathing Air Systems
8855 E Broad Street
Reynoldsburg OH 43068
United States

Date 07/08/2021
Quote # QUO-OH3423
Customer ID 700134

| Item | Quantity | Description | Rate | Amount | Tax Rate |
|------|----------|-------------|------|--------|----------|
| | | | | | |

Subtotal 33,607.84
Shipping Cost (LTL Motor Freight) 831.00
Total \$34,438.84

ALL QUOTES ARE VALID FOR A MAXIMUM OF 60 DAYS.

PAYMENT TERMS: INVOICES ARE SUBJECT TO LATE CHARGES AT THE RATE OF 1.5% PER MONTH (ANNUAL 18%).

ALL PARTS RETURNS OR EXCHANGES MUST BE COMPLETED WITHIN 45 DAYS FROM INVOICE DATE. ALL RETURNS REQUIRE A RETURN MERCHANDISE AUTHORIZATION. ALL RETURNS ARE SUBJECT TO A 15% RESTOCKING FEE.

SHIPPING CHARGES WILL BE ADDED WHEN ORDERS ARE FULFILLED.

NOTE: PAYMENTS BY CREDIT CARD WILL INCUR A CONVENIENCE FEE TOTALING 3.0% OF THE INVOICE TOTAL ON ALL TRANSACTIONS EXCEEDING \$1,200.00.

Quote Approved By: _____ (Print Name)

Approved By Signature: _____

Approved Date: _____



QUO-OH3423