



500 West Big Beaver  
Troy, MI 48084  
troymi.gov

## CITY COUNCIL AGENDA ITEM

Date: August 15, 2022



To: Mark F. Miller, City Manager

From: Robert J. Bruner, Assistant City Manager  
Rob Maleszyk, Chief Financial Officer  
Dee Ann Irby, Controller  
Peter Hullinger, Fire Chief  
Emily Frontera, Purchasing Manager

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

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### **Background**

Each fire station has been equipped with a stationary breathing air compressor and fill station for over 25 years. These systems are needed and used to fill the breathing air cylinders from the self-contained breathing apparatus (SCBA) that the firefighters wear for respiratory protection when encountering immediately dangerous to life and health (IDLH) situations. Once the air is used from the SCBA, it must be filled from an approved and certified breathing air compressor in order to have other harmful chemicals removed such as carbon monoxide (CO) and nitrogen. This refilling procedure is typically performed at an incident scene by the department's truck-mounted mobile air compressor known as an air tender. Often times, however, these air cylinders are filled at the fire station after use at incidents such as car fires or training evolutions where the air tender is not present.

These stationary breathing air compressors in the stations have extensive filters 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 because the air in the cylinder is "compressed" to 4,500 PSI in order to provide 20-30 minutes of breathing. The air, therefore, must be very dry otherwise it would freeze from its moisture content (as a result of being compressed) when it comes out of the cylinder under "regulated" pressure into the face mask.

The Fire Department has historically had a service contract with various vendors over these many 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**

It is vital that each station have their own breathing air compressor and fill station. Stations often train on multiple days of the week and respond to fire calls at various times of the days. As previously mentioned, the air tender is not at every call where the SCBA may be used. It is important, therefore, that when a firefighter needs to fill a SCBA cylinder, it is an easy and convenient task. By having a



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breathing air compressor and fill station at each fire station, it ensures that the SCBA will be full of air and ready to go into service in a timely manner.

Extensive research was done and the Bauer fill station was the best option. *Bauer Compressor of Norfolk, VA*, is the industry leader in breathing air compressor systems, and they have an extensive track record for quality and expertise in the industry. Standardization of equipment is also a vital importance within the fire department, 3 of the 6 fire stations have already been switched to this brand and model fill station.

The Fire Department has received a quote of \$78,679.10, from *Breathing Air Systems of Reynoldsburg, OH*, the authorized single source distributor for the Bauer fill station and the Fire Department's current contracted service provider, to replace and install the new compressor and fill station at Fire Station #2 and #4. A copy of the quote and the specification information is attached.

### **Financial**

Funds are budgeted and available in the Fire Department's General Equipment Capital Fund under project number 2023C0022 for fiscal year 2023. Expenditures will be charged to account number 401.336.338.7978.035.

### **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 two (2) new *Bauer* air compressor and fill stations at Fire Station #2 and #4 for an estimated total cost of \$78,679.10 as detailed in the attached quote.



8855 E BROAD ST  
REYNOLDSBURG, OH 43068

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THE NATION'S LARGEST DISTRIBUTORS OF **BAUER** COMPRESSORS

## 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) 524-3419**

**Date** 08/01/2022  
**Quote #** QUO-OH7089  
**Customer ID** 700134-4M  
**Expires** 09/30/2022  
**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**  
Troy Fire Dept #4M  
2117 E Maple St  
Troy MI 48084  
United States

Sales Rep: Justen Diaz  
Sales Rep Email: jdiaz@breathingair.com  
Sales Rep Phone: (517) 763-3779

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>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 &amp; 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> <p>MTD INTERSTAGE PRESSURE GAUGES</p>	25,469.00	25,469.00	



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8855 E Broad Street  
Reynoldsburg OH 43068  
United States

**Date** 08/01/2022  
**Quote #** QUO-OH7089  
**Customer ID** 700134-4M

Item	Quantity	Description	Rate	Amount	Tax Rate
		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.			
CFS5.5-2SX4X 4	1	Fill Station - BAUER- Class 2. Independently tested containment fill station meets NFPA 1901. Fills two SCBA cylinders and has four cascade controls with valves and gauges. Features cylinder scuff guard - fill control panel with adjustable regulator - SCBA fill connection - top mounted cascade control panel with regulated remote outlet - Two fill hoses with bleed valves and safety door interlock. 5500 psi fill pressure.	15,509.00	15,509.00	
BAS-4021CO- 24v	1	CO MONITOR 24V FOR LEGACY	2,575.00	2,575.00	
START-UP KIT	1	START-UP KIT FOR EQUIPMENT INSTALLATION	300.00	300.00	
Subtotal				43,853.00	
Discount 15%			-15.00%	-6,577.95	
Service Call Fee	8	Service call hourly rate to include round trip travel and onsite time for technician.	132.00	1,056.00	
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.	105.00	105.00	



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Date 08/01/2022  
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Shipping Cost (LTL Motor Freight) Subtotal 38,436.05  
903.50  
Total \$39,339.55

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: \_\_\_\_\_



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United States

**Requested By: Eric Emmons**  
**Title:**  
**Email:**  
**Phone: (248) 524-3417**

**Date** 08/03/2022  
**Quote #** QUO-OH7107  
**Customer ID** 700134-2

**Expires** 10/02/2022

**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  
Troy Fire Dept #2  
5600 Livernois  
Troy MI 48084  
United States

Sales Rep: Justen Diaz  
Sales Rep Email: jdiaz@breathingair.com  
Sales Rep Phone: (517) 763-3779

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Approved By Signature: \_\_\_\_\_

Approved Date: \_\_\_\_\_



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