

REQUEST FOR COMPETITIVE SEALED PROPOSALS
Self-Contained Breathing Apparatus (SCBA)

Columbus Rural Fire District #3
944 E. Pike Avenue
Columbus, Montana 59019

Sealed proposals will be publicly opened on October 10, 2016 at the regularly scheduled monthly Board of Trustees meeting for the Columbus Rural Fire District at 944 E. Pike Avenue, Columbus, Montana 59019 at 5:45 p.m. for the following project:

Self-Contained Breathing Apparatus (SCBA)

Proposals must be submitted in a sealed envelope or box addressed to: "Columbus Rural Fire District #3" at P.O. Box 285, Columbus, Montana 59019 or hand delivered to the fire station located at 944 E. Pike Avenue, Columbus, Montana 59019. The envelope shall be plainly marked on the outside with the words "SCBA Proposal."

Each proposal shall be delivered no later than 5:00 p.m. on October 7, 2016.

The Request for Proposals may be requested by contacting Nick Jacobs, Assistant Chief by email at njacobs@columbusfirerescue.com or telephone at 406-322-4302 or Travis Hansen, Battalion Chief by email at thansen@columbusfirerescue.com or by telephone at 406-322-4302.

Each Respondent is put on notice that it should review the Request for Proposals for more specific details of specifications, procedures and selection criteria.

Any Proposal must indicate the Respondent's need to limit public disclosure of proposal documents based on the Uniform Trade Secrets Act, matters involving individual safety or other constitutional protections.

Proposals shall be evaluated based on specific criteria as delineated in the Proposal documents. The successful Respondent will be presented with a written contract prepared by the Columbus Rural Fire District #3.

The Columbus Rural Fire District #3 reserves the right to reject any or all proposals or to waive any formality or technicality. No Respondent may withdraw a proposal for sixty (60) days after the date of opening.

Each Respondent must agree to comply with all federal, state and local laws and regulations.

Dated this 19 day of September, 2016.

Curt Robbins, Chair- Board of Trustees, CFRD#3

**INFORMATION FOR RESPONDENTS, GENERAL REQUIREMENTS
AND RESPONSE FORM
Self-Contained Breathing Apparatus**

1. GENERAL INFORMATION

All Responses must be made on the required Response form. All blank spaces for proposed prices must be filled-in in ink or typewritten, and the Response form must be fully completed and executed when submitted. Only one copy of the Response form is required.

The Columbus Rural Fire District #3 hereinafter "Owner" may waive any informalities or minor defects or reject any and all Responses. Any Response may be withdrawn prior to the above scheduled time for the opening of the Responses or authorized postponement thereof. Any Response received after the time and date specified shall not be considered. No Respondent may withdraw a Response within sixty (60) days after the actual date of the opening thereof. Should there be reasons why the Contract cannot be awarded within the specified period, the time may be extended by mutual agreement between the Owner and the Respondent.

Information obtained from an officer, agent, or employee of Owner or any other person shall not affect the risks or obligations assumed by the Respondent or relieve the Respondent from fulfilling any of the conditions of the subsequent Contract upon award.

A "Notice to Proceed" shall be issued within ten (10) days of the execution of the Contract and receipt of the performance bond by the Owner. Should there be reasons why the "Notice to Proceed" cannot be issued within such period, the time may be extended by mutual agreement between the Owner and the successful Respondent. If the notice to proceed has not been issued within the ten (10) day period or within the period mutually agreed upon, the Respondent may terminate the Contract without further liability on the part of either party.

The Owner may make such investigations as it deems necessary to determine the ability of the Respondent to perform the work and supply the goods, and the Respondent shall furnish to the Owner all such information and data for this purpose as the Owner may request. The Owner reserves the right to reject any proposal if the evidence submitted by, or investigation of, such Respondent fails to satisfy the Owner that such Respondent is properly qualified to carry out the obligations of the Contract and to complete the work contemplated therein in a timely manner.

All applicable laws, ordinances, and the rules and regulations of all authorities having jurisdiction over suppliers of equipment shall apply to the Request for Proposals and Contract throughout.

2. SCHEDULE, EVALUATION AND SELECTION PROCESS

The schedule, evaluation and selection process is as follows:

(a) Release of the Request for Proposals

(b) Receipt of Signed Proposals

(c) Evaluation of Proposals, Ranking of Respondents and Selection - The Owner will review all information available in the Responses and rank the Respondents and may contact the highest ranked Respondent at its discretion.

(d) Negotiation – The Owner may initiate discussions with one or more of the selected Respondents via telephone conference call or in person in order to refine the Specifications Detail, terms and conditions including price. The Owner reserves the right to terminate any such discussions at any time and in turn contact other Respondents for such discussions.

(e) Selection and Contract - The Owner will select a final Respondent to offer a Contract based on the Response and any negotiations that may take place and then issue a “Notice of Award.” A “Notice to Proceed” shall be issued by Owner upon the successful execution of the Contract and Performance Bond.

Evaluation criteria for the Responses shall include:

1. The ability to meet the needs of the Owner (75%) which includes:
 - a. Completeness of response;
 - b. The demonstrated ability of the Respondent to provide sound business practices in the delivery of the products that meet the needs of the Owner;
 - c. The demonstrated ability of the Respondent in providing support over the service life of their products;
 - d. The demonstrated ability of the Respondent to deliver the number of products in the timeline meeting the needs of the Owner;
 - e. The demonstrated ability of the Respondent to provide after sale support for their products, and provide a competitive price. This also includes the demonstrated ability of the sales and manufacturing organization to provide manufacture authorized, local service support and factory supported service training for the Owner’s maintenance staff.
2. price (25%).

When evaluating the Responses, and in recommending a successful Respondent, superior design, workmanship, materials, operating costs, past experience, length of incorporation and compliance to specifications will be taken into consideration.

Nationally recognized financial ratings may be used as a determining factor of the financial strength and stability of the manufacturing company, and may be considered when selecting the successful Respondent.

3. RESPONSE REQUIREMENTS

Each Response must be accompanied by Respondent's accurate Specification Detail covering the goods which it is proposing to furnish and to which the goods delivered under the subsequent Contract must conform.

It is the intent of the Owner that the Specification Detail shall cover performance and delivery to the Owner for the complete goods equipped as specified. All specifications agreed to herein contained are considered as minimum.

Such details and other construction features not specifically covered herein that conform to standards legally recognized or developed in the trade of producing such goods can also be supplied.

A statement as to the Respondent's demonstrated abilities to meet the evaluation criteria specifically mentioned above in 2 (1)(b)–(e). NO EXCEPTIONS.

4. RELIABILITY OF RESPONDENT

Respondent shall furnish satisfactory evidence that it has the ability to construct the goods specified, and shall state in the Response the location of the factory where the goods are to be built, and also where future service work will be performed.

Responses will only be considered which are submitted using the latest technologies and governing standards. These standards include those of the International Organization for Standardization (ISO), Underwriters Laboratory (UL) and the National Fire Protection Association (NFPA) and the American Welding Society. Respondent shall disclose all such standards in which it manufactures the goods in its Specifications Detail.

All Respondents shall provide with their Response, the names of at least five locations where similar goods have been furnished within the specified agreed to timeframes. Respondents shall provide the name and telephone number of a contact person for each location listed. Failure to provide the required users list with the Response will be cause for rejection of the proposal.

5. REJECTIONS OF RESPONSES/WAIVER OF FORMALITY

The right is reserved to reject any or all responses or to accept such Responses as is in the best interest of the Owner.

Owner does not, in any way, obligate itself to accept any Response.

Responses may be rejected for any alteration of the form.

Owner reserves the right to waive any formality in the Responses received once such waiver is in the best interest of the Owner and, also, to accept any item found to be of superior quality or otherwise preferred by the Owner.

6. ALTITUDE REQUIREMENTS

The goods shall be designed to meet the specified rating at Owner's destination altitude.

7. SERVICE REQUIREMENTS

To provide the Owner with a source for parts over the anticipated life of the goods, goods manufacturer shall have available for immediate shipment, a complete line of replacement parts for the goods. Respondent shall indicate in the name and location of a factory backed service facility which would service the goods should the need arise.

8. DESIGN REQUIREMENTS

Design features of the goods will be carefully selected for safety, integrity and consistency with Owner's existing goods, requirements and facilities.

No special tools shall be required to access these components for normal service or maintenance.

All parts and components on the vehicle shall be positioned for ease of inspection, and recognition of wear or failure. Easily removable access or cover plates shall be provided for all items requiring periodic service or adjustment. Access panels shall be of the hinged or quick disconnect design allowing ease of access.

Design of goods shall be conducive to cold weather operations and designed or engineered to withstand extremely cold temperatures. Contractors must specifically address cold weather capabilities of their design.

All components of the goods shall be protected against rain, snow or other adverse weather conditions.

9. DOCUMENTATION

The Respondent must supply at time of delivery, at least one copy of:

- The certification of inspection and testing by any and all standardized laboratory (e.g. Underwriter's Laboratories Incorporated) or other standardized third party inspecting or certification entity.

- At least two copies of the complete operation and maintenance manual covering the completed goods as delivered.
- A complete bill of materials shall be provided for the completed goods that lists all components which were used, including part numbers that are cross referenced to the original manufacturers' part numbers.

10. PRICE

Final delivery price shall be all inclusive including all Local, State or Federal taxes.

11. FINAL INSPECTION AND ACCEPTANCE

All goods shall be inspected and tested at the full discretion of the Owner before any acceptance is made by it.

12. FINANCE OPTIONS

If Respondent offers financing options, please provide a detail of those options in the Response.

13. EXCEPTIONS TO SPECIFICATIONS

These specifications are based upon design and performance criteria which have been researched and analyzed by the department. Therefore, major exceptions to these specifications will not be accepted.

To the right side of each section for a particular specification, the Respondent shall mark the column for "YES", "NO" or "EXCEPTION" indicating the exact compliance with the specification.

All deviations and exceptions, no matter how slight, shall be clearly explained in writing with the proposal. All exceptions must list the section and fully describe the exception or alternative.

Columbus Rural Fire District #3 may choose to reject bids based on exceptions. Any exceptions that makes the SCBA non-compliant with the National Fire Protection Association's 2013 Edition of NFPA-1981 Standard on Open-Circuit Self-Contained Breathing Apparatus will result in the proposal being rejected.

14. WARRANTY INFORMATION

Respondent shall state specifically in the response the manufacturer's warranty regarding parts and labor, and the duration of the warranty in years. If separate parts of

the SCBA/cylinder/facepiece have different warranties, this shall be specified in the response. The Respondent shall state specifically any and all regularly scheduled maintenance and requirements outlined by the manufacturer to maintain any and all warranties.

15. COST OF OWNERSHIP

The Respondent and/or Respondent's representative shall, to the best of their ability, provide documentation and/or information regarding their SCBA's projected "cost of ownership" over a five, ten and fifteen-year period.

16. CONTACT

Questions regarding the specifications should be directed to:

Nick Jacobs, Assistant Chief
E-Mail: njacobs@columbusfirerescue.com
Phone: 406-322-4302

Travis Hansen, Battalion Chief
E-Mail: thansen@columbusfirerescue.com
Phone: 406-322-4302

17. SPECIFICATIONS OF THE SELF-CONTAINED BREATHING APPARATUS

It is the intent of these minimum specifications to describe certain equipment in sufficient detail to obtain competitive proposals from qualified Respondents for the furnishing and delivery of said equipment to be used by Columbus Rural Fire District #3. All parts not specifically mentioned which are necessary to provide the described equipment shall be included in the proposal and shall conform in strength and quality or material and workmanship to what is usually provided for the trade in general. Any omissions of components in these specifications are inadvertent and should be included in the proposed SCBA.

RESPONSE FORM
Self-Contained Breathing Apparatus (SCBA)

Proposal of _____ (hereinafter call "Respondent"), organized and existing under the laws of the State of Montana doing business as _____*.

*Insert "a corporation", "a partnership", "an individual" or other legal entity as applicable.

In compliance with OWNER'S Request for Competitive Seal Proposals, RESPONDENT hereby proposes to deliver to the OWNER SCBAs in strict accordance with the Request for Proposal at the price(s) stated below.

By submission of this RESPONSE, the RESPONDENT certifies that it has been arrived at independently, without consultation, communication, or agreement with any other party.

RESPONDENT hereby agrees to provide the SCBAs, as specified under this Request for Proposal, on or before a date to be specified by the OWNER, and to fully comply with all requirements as set forth in this Request for Proposal.

RESPONDENT states that the price(s) listed herein shall include all labor materials, removal, overhead, profit, insurance and all other costs relating to the delivery.

RESPONDENT understands that the OWNER reserves the right to reject any or all RESPONSES for any reason, to waive any informalities in the RESPONSES received, and to accept the RESPONSE which best serves the interests of OWNER.

RESPONDENT states that it has thoroughly read all of the information and requirements contained in the Request for Proposals and submits its RESPONSE based upon the same, and agrees to fully comply with all requirements set forth therein. RESPONDENT also represents that the person below signed has authority to make such proposal.

The RESPONDENT agrees to furnish to the OWNER SCBAs, F.O.B. Columbus, Montana, for the following price: _____ (Numerical and written) (\$ _____).

Make: _____ Model: _____

Name of Respondent: _____

Address: _____ City, State, Zip Code: _____

Facility Where Goods Manufactured: _____

Facility Where Replacement Parts May Be Obtained: _____

Facility Where Service May Be Obtained: _____

REFERENCES INCLUDED: _____ YES

SPECIFICATIONS DETAIL INCLUDED: _____ YES

A STATEMENT AS TO THE FOLLOWING INCLUDED: _____ YES

- a. The demonstrated ability of the RESPONDENT to provide sound business practices in the delivery of the products that meet the needs of the OWNER;
- b. The demonstrated ability of the RESPONDENT in providing support over the service life of their products;
- c. The demonstrated ability of the RESPONDENT to deliver the products in the timeline meeting the needs of the OWNER;
- d. The demonstrated ability of the RESPONDENT to provide after sale support for their products, and provide a competitive price. This also includes the demonstrated ability of the sales and manufacturing organization to provide manufacture authorized, local service support and factory supported service training for the OWNER'S maintenance staff.

Delivery time for required quantities to Columbus Rural Fire District #3: _____

SIGNATURE: _____

TITLE: _____

DATE: _____

Approvals	Meets Specification		
	Yes	No	Exception
SCBA shall be approved by the National Institute for Occupational Safety and Health (NIOSH), under 42 CFR, Part 84 for chemical, biological, radiological, and nuclear protection (CBRN) with 45 or 60 minute-rated service life and compliant with all requirements of the National Fire Protection Association's 2013 Edition of NFPA-1981 Standard on Open-Circuit Self-Contained Breathing Apparatus.			
Units equipped with integrated PASS device must meet requirements of NFPA 1982, 2013 Edition.			
Facepiece	Yes	No	Exception
Facepiece shall have open port to provide miniscule breathing resistance when regulator is not attached.			
Facepiece shall not contain electronic components.			
Facepiece shall provide means to display to user with visual indicators for HUD.			
Facepiece shall have regulator attachment that does not bear any weight on lens.			
Facepiece shall have effective field of view of 86% and overlapping field of view of 122% without attached component. Facepiece shall be available in three sizes in Hycar Rubber (small, medium, large).			
Facepiece shall have nose cup comprised of silicone rubber and available in three sizes (small, medium, large).			
Facepiece shall have three head harness options constructed of flame/heat resistant assembly: Kevlar Head Harness (4-pt. adjustable), Kevlar 5-pt. adjustable and rubber 5-pt. adjustable.			
Facepiece shall have universal lens that can be used with all three facepiece sizes, shall be comprised of non-shatter type material and shall be field-replaceable.			
Lens shall be hard-coated on outside and anti-fog coated on inside.			
Facepiece shall have optional flame/heat-resistant fabric or rubber neck strap to carry facepiece in ready position for quick donning.			
Facepiece shall have removable speaking diaphragm with aluminum-coated membrane, suitably protected and located centrally on facepiece for optimal voice projection.			

Facepiece shall have exhalation valve that is to be serviceable without special tools.			
Facepiece shall be capable of water submersion for cleaning and disinfection.			
When doffing regulator, regulator disengagement shall simultaneously stop air flow and release regulator.			
Mask-Mounted Regulator (Demand Valve): Push-to-Connect	Yes	No	Exception
Regulator shall house electronic module that functions as microphone and HUD system.			
Regulator shall be equipped with variable flow bypass.			
Regulator shall not have exposed wiring in order to prevent snags and increase product durability.			
Regulator shall have two cover options: hard cover or purge cover.			
Regulator shall have fewer than 35 parts that are easily replaceable without special tools.			
Regulator shall have two options for air-supply hose: 1) Continuous hose from pressure reducer to regulator. 2) Quick-connect hose that terminates on shoulder in front of user.			
Regulator must be equipped with positive protection Tetraplex Shield membrane that covers diaphragm, preventing permeation of CBRN agents.			
Regulator shall have optional RFID chip for asset and maintenance tracking.			
Heads-Up Display (HUD)	Yes	No	Exception
Heads-Up Display (UD) System shall be integrated within regulator, eliminating snag hazards and increase product durability.			

HUD shall be powered from central power system.			
HUD System shall eliminate cross-talk among firefighters.			
HUD System shall be immune to radio frequency interference (RFI) and must function properly in close proximity to fire service hand-held radios.			
HUD System shall separate pressure indicators from status indicators: Left: status indicators. Right: pressure indicators.			
HUD system shall provide user with remaining cylinder air volume, available in four increments through series of four colored LEDs: Four green lights 76 to 100% cylinder volume Three green lights 51 to 75% cylinder volume Two flashing amber lights 36 to 50% cylinder volume One flashing red light 0 to 35% cylinder volume.			
HUD status indicators shall be icon-based and display battery life warning, PASS alarms, EVACUATE indicator, and secondary alarm indicator.			
HUD shall incorporate photoelectric sensor that senses ambient light conditions, automatically adjusting display to one of multiple pre-programmed light intensities.			
Buddy lights shall be visible from outside of firefighter's facepiece.			
HUD system shall allow user to select from four modes of operation: 1) Continuous pressure mode that shall always have pressure LEDs on. 2) Intermittent pressure mode that shall turn on first three increments when reached for 20 seconds. 3) Oscillating pressure mode that shall brighten and dim LEDs every 20 seconds. 4) Mixed pressure mode that shall turn on first two increments when reached for 20 seconds and last two increments are in continuous mode.			
HUD shall be field-removable and replaceable without use of special tools.			
Universal Air Connection (UAC)	Yes	No	Exception
System shall be capable of: 1) Refill within immediately dangerous to life or health (IDLH) atmospheres.			

2) Quickly refilling (approximately one-minute duration) SCBA cylinder from mobile compressor, cascade system or RIT pack.			
Primary UAC shall be illuminated when supply pressure reaches Low Pressure Warning Alarm or can be configured to optional medium pressure warning alarm.			
Pressure Reducer (First-Stage Regulator) with Primary Low Pressure Warning Device	Yes	No	Exception
Pressure reducer shall incorporate downstream valve to ensure fail-safe design when in open position.			
Pressure reducer shall incorporate bell alarm mechanism.			
Bell alarm mechanism shall be an air-actuated, continuously ringing audible warning alarm, automatically operating when supply cylinder air pressure reaches approximately 35% of rated service life			
Bell alarm mechanism shall cover multiple levels of frequencies to cover all hearing levels.			
Bell alarm mechanism shall be user-accessible while wearing SCBA.			
Pressure reducer reduces cylinder pressure to outlet pressure not to exceed 115 psi; outlet pressure must be adjustable.			
Pressure reducer shall have flow capacity of 700 liters per minute at full pressure.			
Pressure reducer shall have two options for cylinder connection type: threaded or quick-connect.			
Quick-connect connection shall not be removable from cylinder while under pressure.			
Pressure reducer shall have two options for cylinder connection location: remote connection or direct connection.			

Pressure reducer shall be capable of converting from threaded to quick-connect or vice versa.			
Pressure reducer body shall be constructed of high-strength aluminum alloy and anodized with Teflon hard coat to minimize corrosion and wear of internal and external components.			
Pressure reducer shall be sealed system that does not allow moisture to enter valve components.			
Pressure reducer shall have no more than 42 individual regulator replacement parts.			
Pressure reducer shall not require special tools for disassembly.			
Pressure reducer shall have two accessory ports, one medium pressure and one high pressure.			
Cylinders	Yes	No	Exception
Cylinders delivered not more than 90 days past their date of manufacture.			
Cylinders with 4500 psig operating pressure must be available in 30-, 45- and 60-minute durations. Cylinders with 5500 psig operating pressure must be available in 30-, 45-, 60-, and 75-minute durations.			
Cylinders must be available in two operating pressures: 4500 and 5500 psig.			
Cylinder shall be constructed of deep-drawn, seamless aluminum liner that is fully wound over entire surface (except for thick neck area) with high-strength carbon fiber filaments impregnated with epoxy resin.			
Cylinder shall contain cylinder valve that shall incorporate pressure gauge to indicate cylinder pressure at all times. Pressure gauge face shall be luminescent. Hand wheel shall be placed at 90° angle from cylinder axis.			

Cylinder valve shall be available in two options: remote connection or direction connection			
Cylinder valve shall incorporate flow control insert to limit air flow over hand wheel's first half rotation, minimizing propulsion thrust in event that cylinder is mishandled.			
Cylinder valve shall incorporate CGA thread that can be converted to quick connect cylinder without special tools.			
Cylinder shall have bracket and boot that can be user-installed and provide positioning and added security of cylinder to backplate.			
PASS Device	Yes	No	Exception
PASS device shall contain power, control and battery modules.			
Power module shall provide power to all electronic SCBA components from battery module and act as central power system.			
Power module shall act as central command center, distributing all information and data among electronic components.			
Battery module shall be powered by six C-cell batteries or one lithium-ion rechargeable battery.			
Expected battery service life batteries shall be 4 to 6 months on average for units with speaker module (without telemetry) and 3 to 5 months on average with telemetry.			
PASS device shall be designed for battery level check and removal of batteries while SCBA remains in jump seat.			
Power module shall be capable of illuminating UAC fitting when supply cylinder reaches 35% of rated service time.			
Control module shall have analog and digital display for added redundancy. Analog gauge must be positioned above digital display as viewed by user.			
Control module shall be equipped with full color graphical display. Display shall be reprogrammable and capable of future integrations. Display's background color coordinates with HUD pressure status.			

Control module shall automatically provide information to user when placed in upright position. Device can be manually activated by pressuring reset button.			
PASS device shall use single line to connect power and control module.			
Control module shall have two reset buttons that perform same function no matter which button is pressed.			
Control module shall have alarm button to activate full alarm and is to be illuminated.			
<p>PASS device shall be capable of being reprogrammed to fire department standard operating procedures (SOP). Using PC software program, configuration tag can be created and tagged on each device needed. Reprogramming options are as follows:</p> <ol style="list-style-type: none"> 1) Medium pressure alarm. 2) Pressure drop alarm. 3) Primary temperature alarm. 4) Secondary temperature alarm. 5) Audible low pressure alarm 			
PASS device shall be equipped with buddy lights on firefighter's front and back and viewable from 360° view; two buddy lights on front of user and four buddy lights in back of user.			
PASS device shall have colored buddy lights: green (pressure above 50% and no alarms), yellow (pressure between 36 and 50%) or red (below 36% or alarms are active).			
Power module shall be equipped with dual sound emitters; sound emitters shall perform at minimum 100 dBa in room temperature.			
PASS device shall be capable of storing up to 25 hours of use information in event log form that are generated each time SCBA is pressurized. Event logs must indicate on/off cycles, alarms, alarm reset, and tagging events.			
PASS device shall be capable of storing periodic logs. Periodic logs must indicate cylinder pressure for each SCBA pressurization stored at 15-second intervals.			

PASS device's event and periodic logs shall provide ability to download to personal computer for maintenance records or for use in incident investigations.			
PASS device shall be immune to radio frequency interference (RFI) and must function properly in close proximity of fire service hand-held radios.			
PASS device shall have optional time-remaining display. Time remaining function must update calculations every 30 seconds based upon user's previous three minutes of air consumption. Initial calculation will appear after three minutes. Calculations can be made to zero pressure, low pressure alarm or medium pressure alarm.			
PASS device shall employ gasket perimeter seal to provide highest protection level against water ingress, while providing ability to upgrade or repair electronics.			
PASS device shall be capable of electronically storing user's name into memory via ID tag.			
PASS device shall be removable with no more than two screws.			
Control module shall have service mode that provides ability to see number of hours used, connect to PC and firmware versions.			
Control module shall incorporate rubber boot for added protection and is to be replaceable.			
Power and Control Modules shall have optional RFID chip for asset and maintenance tracking.			
Speaker Module	Yes	No	Exception
Speaker module shall provide amplified speech that removes inhalation breath noise.			
Speaker module shall provide at minimum, 70 dBA output.			
Speaker module shall turn on and off with PASS device.			
Speaker module shall be powered by central power system.			

Speaker module shall be capable of passing NFPA heat and immersion leakage test (not NFPA-required).			
Speaker module shall be positioned on chest and attached to shoulder straps.			
Speaker module shall be capable of being mounted on either shoulder.			
Speaker module shall easily be attached and removed without special tools.			
Speaker module shall have light to indicate that device is powered on.			
Speaker module shall have on/off button to allow user to manually power off as needed.			
Carrier and Harness	Yes	No	Exception
Buddy Breather connection and storage.			
Shoulder harness shall have separate left and right pads for easier and less costly replacement.			
Shoulder harness shall have retro-reflective markings for better visibility within low light conditions.			
Shoulder harness shall have localized frictions pads on shoulders to prevent slippage.			
Shoulder harness shall be available in standard and serviceable tunnel.			
Shoulder harness shall have improved color stability up to 600 degrees Fahrenheit.			

Shoulder harness shall be capable of washing 40 times before color fastness fades.			
Shoulder harness shall have optional chest strap.			
Harness design shall have Kevlar webbing.			
Shoulder harness shall have accessory attachment point available for facepiece or pouch and can be moved from left to right shoulder strap or vice versa.			
Shoulder harness shall differentiate pad inside from pad outside by color; pad inside is grey and outside is black.			
<p>Waist pad shall be available in at least 3 options:</p> <p>1) Basic – basic pad with straps attaching directly to backplate.</p> <p>2) Fixed swiveling – standard pad attached to metal bracket that swivels in center and automatically centers.</p> <p>3) Adjustable swiveling – standard pad attached to metal bracket that has three positions and automatically centers.</p>			
Adjustable swiveling waist pad shall be one-handed operation and can be performed while on user’s back.			
Backplate shall be capable of accepting all three waist pad designs.			
Backplate shall have two side handles and one top handle that are accessible with gloved hand.			
Backplate side handles shall be capable of 500 lbs. of force.			
Backplate top handle shall be capable of 1000 lbs. of force.			
Backplate cylinder band shall be available in two types: metal or fabric.			
Waist pad shall be of rigid construction to allow for easy donning and support.			
Waist straps shall be double-pull forward design.			

Harness design shall have regulator keeper for storage that can be attached to waist strap or chest strap.			
Regulator keeper shall allow regulator to be connected at any angle.			
Weight	Yes	No	Exception
Weight of SCBA shall not exceed 24 lbs.			
Weight of facepiece (without regulator, with communications) shall not exceed 1.4 lbs.			
Weight of cylinder and valve assemblies (empty) shall not exceed: Carbon-wrapped H45 9 lbs. 7 oz. Carbon-wrapped H45-SL 9 lbs. 10 oz. Carbon-wrapped H60-SL 11 lbs. 12 oz.			
Training and Fit Testing	Yes	No	Exception
The successful bidder shall provide, at no cost to the department, a technician level maintenance training class to six (6) members of the department. A description of how this training will be performed shall be included in the proposal. Required special tools for performing repairs, maintenance, and PC interface connection for PASS alarm (with software) shall be provided at this training.			
The successful bidder will submit a plan for training all department personnel how to use the SCBA. The training program shall be in a Power Point or similar format.			
The successful bidder shall provide initial fit testing for all members of the fire department. The fit testing shall comply with quantitative fit testing protocol per OSHA 1910.134 Appendix A Part I.c.3 (CNC (PortaCount) protocol). Fit testing shall include proper fit for each user with all sizes of face piece and nose cup being utilized to insure an adequate fit test is achieved. A computer generated report shall be provided to the department. The report shall include the information specified in OSHA			

1910.134(m) records.			
Emergency Air Supply System (RIT Pack).	Yes	No	Exception
<p>The RIT Pack shall consist of the following components:</p> <ol style="list-style-type: none"> 1. A carrying bag 2 An audible low-pressure alarm 3. A Universal Air Connection (UAC) high- pressure emergency airline that will function with any manufacturers NFPA 1981, 2002 compliant or newer self-contained breathing apparatus 4.. A low-pressure airline hose assembly with a low pressure manifold that has a male and female quick disconnect and additional ports to allow the use of other SCBA manufacturer’s low-pressure fittings. 5. A facepiece 6. A second stage pressure regulator 			
Pricing	Yes	No	Exception
The manufacturer shall provide a complete parts list with prices for the SCBA, Facepiece and Cylinder. This shall be included with the bid.			
The vendor shall provide a guaranteed purchase price on the items and quantities for a period of twelve (12) months.			
Options: Columbus Rural Fire District #3 has identified the following options that it will consider in addition to the minimum specifications. Additional options will be considered given they fall within the available budget for the projects			
1. Factory labeling of SCBA backpack/harness to identify ownership and to include Columbus Rural Fire District #3 inventory numbering system.			
2. Factory labeling of cylinders with Columbus Rural Fire District #3 name/logo as an integral part of the cylinder wrap, add on or glued on stickers are not acceptable.			
3. Integrated Thermal Imaging Camera			

<p>Must be field upgradeable and able to be added to system.</p> <p>Must integrate with Main Control Module.</p> <p>Must be powered by a single integrated power source.</p> <p>Single button functionality</p> <p>Selectable palettes</p> <p>Minimum of 220 x 176 display ensures crystal clear images</p>			
4. Quick Connect adapters for cylinders to packs.			

Required Item Quantity and Pricing

Item #	Quantity	Description	Price Each	Total Price
1.	32	2013 Edition of NFPA-1981 4500 psig Compliant SCBA Complete with facepiece and 4500 psig, 45 minute rated, low profile, Carbon-Wrapped cylinder, Chest Strap, Metal Cylinder Band, Adjustable Swiveling Lumbar, Purge Cover on Regulator, Continuous Regulator Hose, Left Shoulder Voice Speaker, No Telemetry, Rechargeable Battery		
2.	32	4500 psig, 45 minute rated, low profile, Carbon-Wrapped cylinder		
3.	18	Facepieces		
4.	4	RIT Pack with Rescue Bag, medium facepiece, Regulator and 4500 psig, 60 minute rated, Carbon-Wrapped cylinder		
5.	2	Rechargeable Battery Charger		
6.		Shipping Cost to 944 E. Pike Ave Columbus, MT, 59019		
Total Price of all required items				

Optional Item Quantity and Pricing

Item	Quantity	Description	Price Each	Total Price
1.	32	Factory Labeling of Backpack/Harness		

2.	32	Factory Labeling of Cylinders		
3.	4	Integrated Thermal Imaging Camera		
4.	64	Quick connect adapters for cylinders to packs		
5.	5	Spectacle kits for use with facepiece		
Total Price for All Options				