

REQUEST FOR PROPOSALS

FIRE SUPPORT EQUIPMENT

for the

Marion County Fire District No.1, Salem, Oregon



Submittals Due: 5:00 pm on Friday, July 15th, 2022

CONTACT INFORMATION:

Deputy Fire Chief Ron Lee – ronl@mcf1.com

Captain Mike Berger – michaelb@mcf1.com

300 Cordon Rd NE

Salem, Oregon 97317

503-588-6526

REQUEST FOR PROPOSALS

NOTICE

Marion County Fire District No. 1 (MCFD 1) in Salem, Oregon is soliciting bids from qualified vendors to provide **Self-Contained Breathing Apparatus systems (SCBA)** for MCFD fire personnel.

BACKGROUND

MCFD 1 provides fire and emergency medical services to 50,000 people over 80 square miles. We serve the Marion County communities of Four Corners, Middle Grove, Pratum, Macleay, Brooks, Clear Lake, Labish, and Chemeketa. MCFD 1 is a combination Fire District, supported by both career and volunteer personnel. The district provides fire/rescue response from seven fire stations, handling approximately 9,300 calls for help per year.

MCFD 1 is soliciting bids from qualified vendors to provide SCBAs with the objectives:

- (1) To enhance greater reliability, greater depth due to less down-time and improved ability of communication for firefighters' safety and
- (2) To better enable our firefighters to provide operations in low oxygen environments.

SUBMISSION OF PROPOSAL

To receive consideration, all cost proposals must be submitted in accordance with the following instructions:

1. All proposals shall be delivered to:

Deputy Fire Chief Ron Lee

300 Cordon Rd NE

Salem, Oregon 97317

2. Submit three copies that contain a specific item price for each product and a total as depicted in the "Product Specifications" section below and provide certification/verification that your cost-for-product bid is qualified and valid for at least 90 days.

3. Submit within your bid any pertinent information regarding warranty period, ongoing service support, your experience in support of the product we are seeking to purchase, and technical training your firm/company will provide should your firm/company be the selected.

4. Submit within your bid at least three references we could contact pertaining to your “after the sale” service support for the SCBAs.
5. The proposal must be clearly marked “PROPOSAL FOR FIRE SERVICES PRODUCT-SCBA” and in a sealed envelope.
6. Maintaining the integrity of this RFP process is extremely important to MCFD 1. As such, all questions shall be directed to the RFP coordinator, Captain Mike Berger, michaelb@mcf1.com, 503-588-6526.
7. MCFD 1 reserves the right to reject any and all proposals, and has the right, at its sole discretion, to accept the proposal it considers most favorable to the MCFD 1’s interest and the right to waive minor irregularities in procedures.
8. Bids are due no later than 5:00pm on Friday July 15th, 2022. Copies may be hand delivered or mailed. Postmarked mail by this date, emailed or faxed proposals will not be accepted.

QUALIFICATION EVALUATION CRITERIA

MCFD 1 will follow a selection procedure that involves the review of all qualified proposals, and the evaluation and ranking of submittals in the following manner:

1. REFERENCES; Submitted? Y/N 10 POINTS

Did proposer submit all materials requested as described?

2. QUALIFICATIONS/ABILITY TO PERFORM: 65 POINTS

After review of references and consideration of warranty and continuing service support, and Product Specifications; does this vendor meet or exceed our expectations? Has this firm adequately identified a strong record of experience in the sale, service support and employee training of the product we seek for MCFD 1?

3. CERTIFIED COST: 25 POINTS

Did proposer submit a cost when coupled with service support, experience, and record of ongoing service; is the highest and best option for MCFD 1?

GENERAL INFORMATION

Interviews

Proposers **may** be invited to an interview with the MCFD 1’s SCBA Selection Committee. Selected responders will be contacted regarding time and location of an interview.

Compliance with Rules

Proposers responding to this RFP must follow its procedures and requirements. Except as otherwise provided in the RFP, applicable provisions of Oregon Administrative Rules Chapter 137, Division 47 shall apply to all personal service contracts of MCFD 1. Failure to comply with or complete any part of this RFP may result in rejection of your Proposal. MCFD 1 hereby, reserves the right to seek clarifications at any time during this selection process.

SUPPLEMENTARY RULES OF PROCESS

1. MCFD 1 reserves the right to seek clarifications from individual responders during the RFP process.
2. MCFD 1 reserves the right to negotiate a final contract that is in the best interest of MCFD 1.
3. All responders to this RFP do so solely at their expense. MCFD 1 is not responsible for any proposer expenses associated with this RFP.
4. MCFD 1 reserves the right to reject any and all proposals and reservation of right to cancel this RFP at any time if doing so is in the public interest.
5. Any and all protests by proposer are governed by Division 48 rules.
6. MCFD 1 reserves the right to request of any proposer any information MCFD 1 deems reasonably necessary to permit MCFD 1 to evaluate, rank, and select the most qualified proposer.

- **Proposal Withdrawal**

Any Proposal may be withdrawn at any time before the “Proposal Due” date and time by providing a written request for the withdrawal to the issuing office. A duly authorized representative of the agency shall make the request. Withdrawal of a Proposal will not preclude the proposer from filing a new Proposal.

- **Appeals**

Proposers who wish to appeal a disqualification of proposal or the award of contract may submit the appeal in writing to The MCFD 1 Board of Directors, as the Contract Review Board within five (5) working days of the postmarked Notice of Award or disqualification. Disagreement with the process, e.g., scoring by evaluators, is not subject to appeal.

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- **Ownership of Documents**

Any material submitted by a proposer shall become the property of the MCFD 1. Materials

submitted after a contract is signed will be subject to the ownership provision of the executed contract.

- **Confidentiality of Information**

All information and data furnished to the proposer by MCFD 1 and all other documents to which the proposer's employees have access during the preparation and submittal of the Proposal shall be treated as confidential to MCFD 1. Any oral or written disclosure to unauthorized individuals is prohibited.

- **Public Record**

All Proposals and information submitted by proposers are not open for public inspection until after the notice of intent to award a contract is issued. Except for exempt materials, all Proposals and information submitted by proposers will be available for viewing after the evaluation process is complete and the notice of intent to award is sent to all participating parties.

- **Contract**

Proposer agrees if MCFD 1 accepts Proposer's proposal, to contract with MCFD 1 to provide the equipment as described herein.

PRODUCT SPECIFICATIONS

Self-Contained Breathing Apparatus

General

1. Any deletions, variations, or exceptions to the specifications must be explained and submitted with the bid.
2. The successful bidder agrees to furnish MCFD 1 all the materials required to properly and safely operate the SCBA, which include: operator's manual, service and repair manual, parts manual and user training.
3. Bids are for seventy (70) SCBA packs (Pack to include (2) 30 minutes Air Cylinders 4500 PSIG, (1) SCBA Face-piece), eighty three (83) 30 minute Air Cylinder 4500 PSIG, and forty-two(42) SCBA Face-pieces, ten (10) Rapid Intervention Packs (including 60 minute Air Cylinder 4500 PSIG, SCBA Face-piece, RIC/UAC connector w/hose, carrying bag) and any ancillary items deemed necessary all meeting the regulatory approvals contained in the bid specifications herein.
4. Bids must be submitted on forms supplied by MCFD 1, and bidders must comply with all conditions in the bid specifications.
5. Bidder will guarantee bid price for 90 days from the date of the bid opening.

Detailed

The purpose of this bid specification is to establish the minimum requirements for an open-circuit self-contained breathing apparatus (SCBA). The SCBA shall consist of the following major sub-assemblies: (1) full face-piece assembly; (2) a removable, face-piece-mounted, positive pressure breathing regulator with air-saver switch; (3) an automatic dual path redundant pressure-reducing regulator; (4) end-of-service time indicators; (5) a harness and back-frame assembly for supporting the equipment on the body of the wearer; (6) a shoulder strap mounted, remote gauge indicating cylinder pressure; (7) a rapid intervention crew/universal air connection (RIC/UAC); and (8) cylinder and valve assembly for storing breathing air under pressure.

The successful bidder agrees to provide, at their own expense, a factory trained instructor for such time as the respirator user shall require complete instruction in the operation and maintenance of the respirator. Any exceptions to these specifications must be detailed in a separate attachment. Failure to do so will automatically disqualify the bidder.

The successful bidder must be a sales distributor, authorized by the manufacturer, to sell the equipment specified herein. A signed document from the manufacture confirming this must be included with the bid.

The SCBA shall maintain all NIOSH standards with any of the following types of cylinders listed as provided by the SCBA manufacture.

Regulatory Approvals
<ul style="list-style-type: none"> • The SCBA shall be approved to NIOSH 42 CFR, Part 84 for chemical, biological, radiological and nuclear protection (CBRN).
<ul style="list-style-type: none"> • The SCBA shall be compliant to the NFPA 1981, 2018 Edition, Standard on Open-Circuit Self-Contained Breathing Apparatus for Emergency Services.
<ul style="list-style-type: none"> • The SCBA shall be compliant to the NFPA 1982, 2018 Edition Standard on Personal Alert Safety Systems.
<ul style="list-style-type: none"> • If the SCBA is to include an optional integrated self-rescue device, the device shall be compliant to the NFPA 1983, 2017 Edition, Standard on Life Safety Rope and Equipment for Emergency Services.
<ul style="list-style-type: none"> • All electronic components shall be approved for Intrinsic Safety under UL 913 Class I, Groups C and D, Class II, Groups E, F and G, Hazardous locations.
Required Components
<i>Face-piece</i>
<ul style="list-style-type: none"> • The full face-piece assembly shall fit persons of varying facial shapes and sizes with minimal visual interference.
<ul style="list-style-type: none"> • The full face-piece assembly shall be available in three sizes marked “S” for small, “M” for Medium and “L” for large.

- The face-piece sizes shall be easily identifiable through a color-coding scheme.

- The face-piece assembly, including head harness, shall be latex free.

- In accordance with NIOSH 42 CFR part 84, the face-piece meets penetration and impact requirements, including compliance with ANSI Z87.1 – 2010.

- The lens shall have a coating to resist abrasion and chemical attack and meet the requirements of NFPA-1981, for lens abrasion.

- The head harness shall be a four-point suspension made in the fashion of a net hood to minimize interference between securing of the face-piece and the wearing of head protection, and be constructed of a para-aramid material for fire, first responder and CBRN applications.

Mask-Mounted Regulator

- The face-piece-mounted positive pressure-breathing regulator shall supply and maintain air to the face-piece to satisfy the needs of the user at a pressure greater than atmospheric by no more than 1.5 inches of water pressure static.

- The breathing regulator shall maintain positive pressure during flows of up to 500 standard liters per minute.

- The regulator shall also meet or exceed a dynamic flow requirement of remaining positive while supplying a minute volume of 160 liters.

- The regulator shall have a Rectus quick connect coupling in line for use with the optional outlet manifold and accessory hose to allow the breathing regulator to be disconnected from the unit and reconnected to the auxiliary hose of a second unit in the event rescue is required.

- The quick connect coupling shall be easily connected and disconnected by trained individuals with a gloved hand and/or in low light conditions.

- The coupling shall also be guarded against inadvertent disconnect during use of the equipment.

- The user shall hear an audible sound when the regulator is attached correctly to the face-piece.

- A purge valve shall be situated at the inlet of the breathing regulator and shall be capable of delivering airflow of between 125 and 225 standard liters per minute.

Pressure Reducer with Snap-Change Cylinder Connection

- The pressure-reducing regulator shall be mounted at the waist on the back frame and be coupled to the cylinder valve through a patented stainless steel quick connect snout for engagement and sealing within the cylinder valve outlet.

- The cylinder shall be secured to the pressure-reducing regulator with quick disconnect function.

- The quick disconnect function shall be secured to prevent removal of the cylinder while the SCBA is pressurized.

- In lieu of a manual by-pass, the pressure-reducing regulator shall include a back-up pressure-reducing valve connected in parallel with the primary pressure-reducing valve and an automatic transfer valve for redundant control.

End-of-Service Time Indicator (EOSTI)

- The SCBA shall have two end-of-service time indicators (EOSTI). A tactile alarm and a Heads-Up Display (HUD).

- This alarm device shall indicate either low cylinder pressure (33% +5%, -0%) or a malfunction of the primary pressure-reducing valve (first stage regulator).

- The HUD shall serve as the secondary EOSTI.

- The HUD shall display cylinder pressure in increments of 100%, 75%, 50% and 33%.

- The HUD shall have a low battery indication that is distinct and distinguishable from the bottle pressure indications.

Harness and Back frame Assembly

- A lightweight, lumbar support style back frame and harness assembly shall be used to carry the cylinder and valve assembly and the pressure-reducing regulator assembly.
- The back frame shall include a strap and a locking latch assembly to secure 4500psig, 30 minute air cylinders.
- The harness assembly shall include removeable shoulder and hip pads for cleaning.
- The harness shall include a seat-belt type waist attachment.
- The shoulder strap shall be fitted with a Drag Rescue Loop (DRL) capable of being deployed in an emergency situation to drag a downed firefighter to safety.

*Control Console with Heads-Up Display
(replace this section if requiring a PASS device, see below)*

- The pressure gauge shall be an integral part of the control console assembly.
- The control console shall come with a pressure gauge that is angled with a sweeping display.
- The control console shall contain an integral lit mechanical pressure gauge that is automatically turned on by opening the cylinder valve.

Rapid Intervention Crew / Universal Air Connection (RIC/UAC)

- The SCBA shall incorporate a RIC/UAC fitting to be compliant with the 2018 edition of the NFPA 1981 Self-Contained Breathing Apparatus standard.
- The RIC/UAC shall be an integral part of the pressure reducer and protected by the back frame.

- The RIC/UAC shall consist of a connection for attaching a high-pressure air source and a self-resetting relief valve allowing a higher pressure than that of the SCBA to be attached to the SCBA.

- The RIC/UAC shall have a check valve to prevent the loss of air when the high-pressure air source has been disconnected.

Cylinder

- The cylinder valve shall be a “fail open” type, constructed of forged aluminum and designed such that no stem packing or packing gland nuts are required.

- No adjustment shall be necessary during the life of the valve.

- The SCBA shall maintain all NIOSH and NFPA standards with any of the following types of cylinders listed as provided by the SCBA manufacturer.

- The cylinder shall be manufactured in accordance with DOT specifications and meet the Transport Canada requirements with working pressures of 4500 psig.

- The cylinder shall be lightweight, composite type cylinder consisting of an aluminum alloy inner shell, with a total overwrap of carbon fiber, fiberglass and an epoxy resin.

- The cylinder shall be available in 30-minute and 60-minute duration (RIT Pack) based on the NIOSH breathing rate of 40 liters per minute (lpm).

- The cylinder shall be available as an option an approved 30-year life design as defined by the DOT Special Permit 14232, 4,500 psi, 45 minute cylinder.

Warranty

- The unit shall be covered by a warranty providing protection against defects in materials or workmanship, for as long as the Fire Department owns the SCBA.

Personal Alert Safety System

<ul style="list-style-type: none"> • The PASS Device shall be compliant to the NFPA 1982, 2018 Edition Standard on Personal Alert Safety Systems.
<ul style="list-style-type: none"> • Operation of this distress alarm shall be initiated with the opening of the valve of an SCBA charged cylinder.
<ul style="list-style-type: none"> • The system shall feature a “hands-free” re-set capability that may be activated by means of a slight movement of the SCBA when the system is in a pre-alarm mode.
<ul style="list-style-type: none"> • The battery life of the SCBA with PASS only shall be no less than 200 hours.
<ul style="list-style-type: none"> • The system shall have a battery check function that provides an LED indication of battery status while the SCBA is not pressurized.
<ul style="list-style-type: none"> • The PASS device shall contain two components: A Console and a Sensor Module.
<ul style="list-style-type: none"> • When the PASS device goes into pre-alarm, the user shall be notified through a distinct light pattern in the HUD display.
<ul style="list-style-type: none"> • The console shall contain an integral edge lit mechanical pressure gauge that is automatically energized by opening the cylinder valve.
<ul style="list-style-type: none"> • A red color-coded push button shall permit manual activation of the full alarm mode.
<ul style="list-style-type: none"> • The sensor module sound emitters shall be oriented in multi-directions for optimal sound projection.
<i>Emergency Breathing Support System “Buddy Breathing”</i>
<ul style="list-style-type: none"> • The Dual Emergency Breathing Support System (EBSS) shall be approved to NIOSH 42CFR, Part 84 and NFPA 1981, 2018 Edition.
<ul style="list-style-type: none"> • The Dual UEBSS shall have one of each of the following requirements; (1) a manifold with one each of a female Rectus socket and male Rectus plug, both of which have check valves, (2) 40” minimum low-pressure hose, (3) a pouch for storing the hose, and (4) a dust cap for the female Rectus socket and male Rectus plug.

<ul style="list-style-type: none"> • The Dual UEBSS shall be positioned on the wearer’s right side and shall be capable of allowing for six feet of hose between like systems.
<ul style="list-style-type: none"> • The female Rectus socket shall have a double action to disengage, noted as a “push-in/pull-back”.
<ul style="list-style-type: none"> • The hose shall be made of high temperature rubber capable of sustaining a maximum 250 psi of pressure.
<ul style="list-style-type: none"> • The Dual UEBSS shall have provision for connection of a supplied airline for extended duration use, while reserving the cylinder supply for egress.
<i>Electronic Voice Amplifier</i>
<ul style="list-style-type: none"> • The SCBA unit shall have an optional communications or amplification ability.

General Specifications

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