REQUEST FOR PROPOSALS
RFP-MCC-2314

SUPPLY OF 30 SCOTT X3 PRO SCBA AIR Paks

MUNICIPALITY OF THE COUNTY OF CUMBERLAND
UPPER NAPPAN SERVICE CENTRE
1395 BLAIR LAKE ROAD, RR # 6
AMHERST N.S B4H 3Y4

September 25, 2023

CLOSING: October 13, 2023
2:00 PM

MUNICIPALITY OF THE COUNTY OF CUMBERLAND
INFORMATION TO PROPONENTS

RFP-MCC-2314

1. GENERAL REQUIREMENTS

The Municipality of the County of Cumberland (Municipality) invites Proposals for the **Supply of Thirty SCOTT X3 PRO SCBA AIR Paks.** These SCBA are to be delivered to 1395 Blair Lake Road, Upper Nappan, Nova Scotia.

The Proponent must either be a Manufacturer, a factory branch, or a dealer engaged in the business of selling, dealing and servicing the equipment proposed upon and must maintain a full stock of parts and service.

2. INSTRUCTIONS TO PROPONENTS

This request for proposals (RFP) is not a tender call, and the submission of any response to this RFP does not create a tender process. This RFP is not an invitation for an offer to contract, and it is not an offer to contract made by the Municipality.

Though the Municipality fully intends at this time to proceed through the RFP, in order to select the SCBA purchases, the Municipality is under no obligation to proceed with the purchase, or any other stage. The receipt by the Municipality of any information (including any submissions, ideas, plans, drawings, models or other materials communicated or exhibited by any intended Proponent, or on its behalf) shall not impose any obligations on the Municipality. There is no guarantee by the Municipality, its officers, employees or Managers, that the process initiated by the issuance of this RFP will continue, or that this RFP process or any RFP process will result in a contract with the Municipality for the purchase of the equipment, service, or Work.

It is the responsibility of each Proponent to ensure their Proposal arrives on time. Any late Proposals will not be accepted. Proposals may be withdrawn at any time prior to opening. Proposals received after the Closing Time or in locations other than the address indicated, will not be accepted and will be returned unopened.

Any Proposals submitted by facsimile, or telephone will ***not*** be accepted under any circumstances.

Any corrections or additions to any submitted Proposal will not be accepted unless it is initialed by the person signing the Proposal.

All Proposals must be firm for 60 calendar days after the closing date. Price to include any/all delivery charges to Upper Nappan, Nova Scotia.

Any Proposals that do not meet these criteria may be rejected.

The Municipality reserves the right to waive technicalities, reject any or all proposals, or any portion thereof, to advertise for new Proposals, to proceed to do the work otherwise, or to abandon the work, if in the best interest of the Municipality.

Only the specified equipment (see Bid Specifications attached) will be considered.

All goods shall be free from design deficiencies that may affect their operation or serviceability. Materials not defined here shall be of the best commercial quality and suitable for the purpose intended.

3. CLARIFICATION AND ADDENDA

Notify the Municipality not less than three (3) working days before Proposal closing of omissions, errors or ambiguities found in this document. If it is considered that correction, explanation or interpretation is necessary; a written addendum will be issued. All Addenda become part of the Proposal documents.

Additional information, clarifications or instructions provided to a Proponent that may, in the opinion of the Municipality, be of general interest and any other information or instructions that the Municipality may deem to be appropriate in the circumstances may be incorporated in an Addendum to the Proposal that will be distributed to all Proponents.

Direct all Proposal questions and queries to:

Shelby Hum
Phone: 902-667-3204
shelbyhum@cumberlandcounty.ns.ca

It is the responsibility of the Proponent to ensure all addenda have been received. Addenda will be posted on the Municipality website at www.cumberlandcounty.ns.ca and the Nova Scotia Public Tenders website at www.gov.ns.ca/tenders. The Municipality will not bear any responsibility for the failure of potential Proponents to obtain all documents before submitting a proposal.

4. PROPOSAL CLOSING

Proposals must be labelled 'RFP-MCC-2314 SUPPLY OF 30 SCOTT X3 PRO SCBA AIR Paks'. Proposals must be received no later than **October 13, 2023 at 2:00 P.M.** - ATLANTIC TIME at:

a) Upper Nappan Service Centre
1395 Blair Lake Road, Upper Nappan, NS B4H 3Y4

OR

b) By e-mail to procurement@cumberlandcounty.ns.ca

5. PROPOSAL OPENING

Proposals will be opened on the Proposal Closing date at the Upper Nappan Service Centre, 1395 Blair Lake Road, Upper Nappan, NS, immediately following closing.

6. PROPOSAL SUBMISSION

The Proposal shall be submitted by one of the following two methods:

a) in a sealed envelope, clearly labelled with the proposal number, title, and date/time of closing. Proposals shall be delivered to the address on the cover of this Request For Proposals, no later than the Proposal Closing.

OR

b) electronically, in a PDF document, to procurement@cumberlandcounty.ns.ca. It is the responsibility of the Proponent to confirm receipt of their Proposal by the Municipality. The Proponent agrees that the electronic signatures of the Proponent on the electronic document shall have the same force and effect as manual/original signatures. Delivery of an executed copy of the Proposal by electronic means permitted in the RFP documents constitutes valid and effective delivery.

Proponents must submit the following items in the Proposal:

a) Original manufacturer's complete specifications of the proposed unit and illustrated description.
b) Municipality of the County of Cumberland Specification Sheet,
   - check off each item for meets specification with yes or no;
   - where the proposed varies from the specification or an enhancement is proposed provide details in the Actual Proposed column.
c) Completed Proposal Form.
d) Photographs of unit proposed.
e) Warranty descriptions, and
f) Any other relevant information that would be helpful in the evaluation process. The successful Proponent shall provide one (1) set of Parts Manuals, Operation/ Maintenance Manuals, upon delivery.

7. EVALUATION OF PROPOSAL

Selection of the successful Proponent will be based on the following point system. Each Proposal received will be evaluated and scored using the scoring system below. The highest score will be the preferred Proposal.

	Category	**Points**
1	Price	60
2	Warranty	15
3	Time of Delivery	15
4	Local Service	10

The Municipality reserves the right to negotiate with a preferred Proponent, or any Proponent, on any details, including changes to specifications, quantity and price. If specifications require significant modification, all Proponents shall have the opportunity to adjust their Proposals or re-submit altogether, as determined by the Municipality.

8. INSPECTION OF EQUIPMENT UPON DELIVERY

The Municipality of the County Cumberland will conduct a thorough inspection of the equipment upon delivery to ensure compliance with the Specifications as proposed. Delivery of the equipment does not constitute acceptance of the equipment. If the equipment does not meet Specification and is not accepted, the equipment will be returned to the Proponent at no cost to the Municipality.

9. PROPOSAL FORM

See attached.

MUNICIPALITY OF THE COUNTY OF CUMBERLAND

PROPOSAL FORM

RFP-MCC-2314

	Item	Pricing
Specifications of Equipment		
	Scott X3 Pro Air Pak unit price	
	Unit price x 30 units	
	Subtotal	
	15% HST	
	Total	

Optional items may or may not be included at the Municipality's sole discretion.

Addenda No. ___ to ___ inclusive were carefully examined.

SIGNATURES DATED THIS _____ DAY OF _____ 2023.

[Seal]

Name of Firm Proposing	Signature of Signing Officer
	Name and Title of Signing Officer (Printed)
Witness	Name and Title (Printed)
Witness	Name and Title (Printed)
Company Address	Telephone No.
	E-mail

**NOTE: *Proposals submitted by or on behalf of any Corporation must be signed and sealed in the name of such Corporation by a duly authorized officer or agent.*

Bid Specification

Scott X3 Pro Air-Pak

The purpose of this bid specification is to establish the minimum requirements for an open-circuit self-contained breathing apparatus (SCBA).

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 manufacturer 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 manufacturer.

The SCBA shall have an operating pressure of 2216psi.

Self-Contained Breathing Apparatus Requirements

- The SCBA shall consist of the following major sub-assemblies: (1) a removable, positive pressure, mask-mounted regulator with air-saver switch; (2) an automatic dual path redundant pressure reducer; (3) end-of-service time indicators; (4) a harness and backframe assembly for supporting the equipment on the body of the wearer; (5) a shoulder strap mounted, remote gauge indicating cylinder pressure; (6) a rapid intervention crew/universal air connection (RIC/UAC); and (7) a personal alert safety system (PASS).

Regulatory Approvals

- The SCBA shall be approved to NIOSH 42 CFR, Part 84 as an open circuit, pressure-demand self-contained breathing apparatus.
- The SCBA shall be certified to NFPA 1981, Standard on Open-Circuit Self-Contained Breathing Apparatus for Emergency Services, 2018 Edition.
- The SCBA shall be compliant to NFPA 1982, Standard on Personal Alert Safety Systems, 2018 Edition, when configured with a PASS device.
- The SCBA shall be compatible with an optional firefighter escape belt that would be compliant to NFPA 1983, Standard on Life Safety Rope and Equipment for Emergency Services, 2017 Edition.

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

Required Components

Facepiece Assembly (Model: AV-3000 HT)

• The facepiece shall have a large diameter inlet that enables both unrestricted breathing and voice communications, while also allowing for rehydration (oral) without having to remove the facepiece.

• The facepiece shall enable connection of the mask-mounted regulator by way of a quarter (1/4) turn rotation.

• The facepiece shall interface with the mask-mounted regulator, without the use of tools, with an audible click to assure the user that the regulator is properly seated.

• The full facepiece assembly shall be available in three sizes, marked “S” for small, “M” for medium and “L” for large.

• The facepiece sizes shall be color-coded for ease of identification.

• The facepiece nose cup assembly shall be available in three sizes, marked “S” for small, “M” for medium and “L” for large.

• The facepiece assembly, including head harness, shall not be made with natural rubber latex.

• The facepiece shall include a face seal that is secured to the lens by a U-shaped bezel using no more than two fasteners.

• The facepiece shall contain inhalation valves that are contrasting in color and readily visible to enable quick visual inspection.

• Multi-directional voicemitters shall be recessed on both sides of the facepiece and ducted directly to an integral silicone nose cup to enhance voice transmission around the user.

• The facepiece shall meet the requirements of the NFPA 1981, 2018 Edition standard for nonelectronic communications.

• The facepiece assembly shall be modular in design to enable ease of upgrading and serviceability.

• The facepiece shall be capable of submersion for cleaning and disinfecting.

• The facepiece shall be able to incorporate multiple electronic communications options (amplification, radio interface, radio direct interface) without affecting NIOSH approvals and/or NFPA certification, where applicable.

• The facepiece shall enable the installation of communications bracket on either the right or left side.

• The facepiece shall be approved for use with multiple respiratory applications (e.g., airline respirator or negative pressure respirator with filters/cartridges) to enable the same user to switch from one application to another without the use of tools and without doffing the facepiece.

Facepiece Lens

• The lens is a component of the facepiece assembly and shall be a single, replaceable, modified-cone configuration, constructed of a high-temperature and radiant-heat-resistant, non-shatter type polycarbonate material.

• The lens shall be coated to resist abrasion and meet the requirements of the NFPA 1981, 2018 Edition standard for lens abrasion.

• The lens shall have an internal anti-fog coating to reduce fogging of the lens.

• The lens shall meet the requirements of the NFPA 1981, 2018 Edition standard for radiant heat and elevated temperature heat and flame resistance tests.

• The facepiece shall meet the penetration and impact requirements of ANSI Z87.

Regulator (Model: E-Z Flo+)

- The mask-mounted regulator shall maintain positive pressure during flows of up to 500 standard liters per minute.
- The mask-mounted regulator shall be available in a continuous hose configuration, with an optional inline quick disconnect coupling.
- The optional quick disconnect coupling shall be easily connected and disconnected by trained individuals with a gloved hand and in limited visibility conditions.
- The optional quick disconnect coupling shall be guarded against inadvertent disconnection during use of the equipment.
- The low-pressure hose shall be equipped with a swivel attachment at the mask-mounted regulator.
- The mask-mounted regulator shall connect to the facepiece by way of a quarter (1/4) turn rotation.
- An audible click shall provide notification that the mask-mounted regulator is securely attached to the facepiece.
- The mask-mounted regulator shall be equipped with a gasket to provide a seal against the mating surface of the facepiece.
- The mask-mounted regulator shall contain an air-saver switch to prevent airflow when disconnected from the facepiece.
- The mask-mounted regulator shall reactivate and supply air only in the positive pressure mode when the wearer affects a face seal and inhales.
- The mask-mounted regulator shall have a demand valve to deliver air to the user, activated by a diaphragm responsive to respiration.
- The diaphragm shall include an integrated exhalation valve.
- The mask-mounted regulator shall include a purge valve for use as an emergency bypass.
- The mask-mounted regulator shall be designed to direct the incoming air through a spray bar and over the inner surface of the facepiece lens for defogging purposes.
- The mask-mounted regulator shall incorporate a Heads-Up Display (HUD) to provide visual alerts to the SCBA user of air status and PASS alarm conditions.
- The mask-mounted regulator shall incorporate a latch mechanism to enable removal from the facepiece.
- The mask-mounted regulator shall require pulling back of the thumb latch and a quarter (1/4) turn rotation for removal from the facepiece.

Pressure Reducer with CGA Cylinder Connection

- The pressure reducer shall be mounted at the waist on the backframe and be coupled to the cylinder valve through a short length of internally-armored, high-pressure hose with a hand coupling for engagement and sealing within the cylinder valve outlet.
- In lieu of a manual by-pass, the pressure reducer shall include a back-up pressure reducer connected in parallel with the primary pressure reducer and an automatic transfer valve for redundant control.
- The back-up pressure reducer shall also be the means of activating the low-pressure alarm devices in the mask-mounted regulator.
- This warning shall denote a switch from the primary pressure reducer to the back-up

pressure reducer whether from a malfunction of the primary pressure reducer or from low cylinder supply pressure.

- A press-to-test valve shall be included to allow functional testing of the back-up pressure reducer.
- The pressure reducer shall have incorporated a resettable over-pressurization relief valve which shall prevent the attached low-pressure hose and mask-mounted regulator from being subjected to high pressure.

End-of-Service Time Indicator (EOSTI)

- The SCBA shall have two end-of-service time indicators (EOSTI). One shall be both a tactile and audible alarm, and one shall be a Heads-Up Display (HUD).
- The primary EOSTI shall be the integral low-pressure alarm device that shall combine an audible alarm with simultaneous vibration of the facepiece.
- The primary EOSTI shall be located in the positive pressure mask-mounted regulator.
- This alarm device shall indicate either low cylinder pressure (35% +/- 2%) or a malfunction of the primary pressure reducer.
- The HUD shall serve as the secondary EOSTI.
- The HUD shall be powered by the SCBA's single power supply.
- It shall be mounted in the user's field of vision on the positive pressure mask-mounted regulator.
- It shall display cylinder pressure in increments of 100%, 75%, 50% and 35% (+/- 2%).
- The display shall not have a numerical representation of cylinder pressure.
- At greater than three quarters cylinder pressure, two green Light Emitting Diodes (LED) shall be illuminated.
- Between three quarters and one-half cylinder pressure, one green LED shall be illuminated.
- Between one-half and 35% (+/- 2%) cylinder pressure, one "yellow" LED shall be illuminated and flash at a rate not less than one (1x) time per second.
- At 35% (+/- 2%) or less cylinder pressure, one "red" LED shall be illuminated and flash at a rate to exceed ten times (10x) per second.
- The HUD shall have a low battery indication that is distinct and distinguishable from the cylinder pressure indications.

Backframe and Harness Assembly

- A lightweight, lumbar support style backframe and harness assembly shall be used to carry the cylinder and valve assembly and the pressure-reducing regulator assembly.
- The backframe shall be a solid, one-piece black powder-coated aluminum alloy frame that is contoured to follow the shape of the user's back.
- The backframe shall include a shroud to streamline hose and wire management by minimizing exposure of the low-pressure hose and electronics molded cable.
- The backframe shall include an over-the-center, adjustable tri-slide fixture, a para-aramid strap and a double-locking latch assembly to secure 30, 45 or 60-minute cylinders.
- The harness assembly shall include a waist pad and shoulder pads constructed of an outer shell material and incorporating a closed-cell foam design to help minimize water and contaminant absorption.
- The harness assembly shall incorporate parachute-type, quick-release buckles with an integrated bail to help secure the webbing.
- The harness assembly shall consist of a one-size, black, para-aramid strap with two red

stripes along the outer edges and a reflective stripe in the center for enhanced visibility.

- The harness assembly shall include a seat-belt type waist belt attachment.
- The harness assembly shall include box-stitched construction with no screws or bolts.
- The harness assembly shall be removable from the backframe without the use of tools.
- The harness assembly shall be machine washable to help with contaminant exposure reduction.
- The harness assembly shall accommodate a waist belt extension.
- The waist pad shall be attached to the backframe such that movement by the wearer provides natural articulation. Articulation shall be accomplished without the use of mechanical devices.
- The waist pad and belt shall freely wrap around and conform to the user's hips.
- The shoulder harness shall be fitted with a Drag Rescue Loop (DRL) capable of being deployed in an emergency to drag a downed wearer to safety.
- The DRL shall be sewn into the shoulder harness assembly and shall provide a horizontal pull strength of 1000 lbs.
- The DRL shall be stored in a manner to prevent accidental snag but maintain accessibility with gloved hands.
- The shoulder harness shall be attached to the backframe such that the harness presents itself for ease of donning.
- The shoulder harness shall include reflective material to enhance the visibility of the user in low-light conditions.
- The shoulder harness shall accommodate two distinct positions for a chest strap attachment.

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

- The SCBA shall incorporate a RIC/UAC fitting to be compliant with the NFPA 1981, 2018 Edition standard.
- The RIC/UAC shall be an integral part of the pressure reducer and protected by the backframe.
- The RIC/UAC inlet connection shall be within 4" (4-inches) of the cylinder valve.
- The self-resetting relief valve shall be color-coded to identify pressure rating of 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.

Personal Alert Safety System (PASS) with Firefighter Locator

- The PASS Device shall be certified to NFPA 1982, Standard on Personal Alert Safety Systems, 2018 Edition.
- Operation of this distress alarm shall be initiated with the opening of the valve of a charged SCBA cylinder.
- The system shall feature a "hands-free" reset capability that may be activated by means of a slight movement of the SCBA when the system is in a pre-alarm mode.
- The system shall operate from a single power source containing six "AA" batteries.
- The system shall have a battery check function that provides an LED indication of battery status while the SCBA is not pressurized.
- When the PASS is manually activated, the locator system shall immediately emit a 2.4 GHz signal able to be received by a separate hand-held receiver.
- When the PASS is activated due to lack of motion, the locator system shall have a ten second delay prior to emitting a 2.4 GHz signal able to be received by a separate hand-held receiver.

- The locating system shall be programmable with eight alpha-numeric characters to provide identification information.
- The PASS device shall contain two components: a Console and a Sensor Module.
- When the PASS device goes into pre-alarm, the user shall be notified through a distinct light pattern in the HUD display located on the mask-mounted regulator.

Console

- The console shall be located on the user's right shoulder harness.
- The control console shall come with a mechanical (analog) pressure gauge that is angled at 30°.
- The console shall contain an integral, edge-lit, mechanical pressure gauge that is automatically turned on by opening the cylinder valve.
- The console shall display to the user the following:
  - Pre-Alarm: alternating red flashing LEDs;
  - Full Alarm: dual flashing red LEDs and a flashing PASS icon;
  - Low Battery: red flashing LEDs;
  - Normal System Operation: flashing green LED.
- The console shall contain a photo sensing diode that automatically adjust the brightness of the HUD as the ambient lighting conditions change.
- The console shall contain an integrated RFID tag.
- The console shall contain push buttons for user interface.
- The push buttons shall be designed to minimize accidental activation.
- A yellow color-coded push button shall permit system reset.
- A red color-coded push button shall permit manual activation of the full alarm mode.
- The console shall be equipped with an LED "External HUD" allowing others to determine the user's cylinder pressure through the same color-code scheme as the HUD display on the mask-mounted regulator.
- A green LED shall be illuminated across the gauge face to indicate a cylinder with greater than half cylinder pressure.
- A yellow LED shall be illuminated across the gauge face to indicate a cylinder with less than half cylinder pressure.
- A red LED shall be illuminated across the gauge face to indicate a cylinder with less than 35% (+/- 2%) of the rated cylinder pressure.

Sensor Module

- The system shall include a sensor module mounted to the SCBA backframe and located in an area between the cylinder and backframe in a manner designed to protect the assembly from damage.
- The sensor module shall contain a motion sensor that is sensitive to user hip movement to reduce false activations.
- The sensor module shall contain redundant, dual sound emitters for the audible alarm and dual visual "buddy" indicator lights.
- The sensor module sound emitters shall be oriented in multi-directions for optimal sound projection.
- The sensor module sound emitters shall broadcast a unique alarm tone for the following conditions:
  - Pre-alarm PASS

  - Full-alarm PASS
  - Low battery
- The visual indicators on the backframe-mounted sensor module shall flash green during normal operation.
- The visual indicators shall flash red when the device is in pre-alarm and full-alarm.
- The visual indicators shall flash orange when the SCBA has reached one-half cylinder pressure.
- The visual indicators shall flash a combination of red, green, and white when the SCBA has reached 35% (+/- 2%) of the rated cylinder pressure.
- The sensor module shall have a Bluetooth® chipset integral to the unit to provide wireless connectivity to external devices.

Warranty

- The SCBA shall be covered by a warranty providing protection against defects in materials and workmanship.
- The warranty period shall be for as long as the SCBA is owned by the original purchaser.
- This warranty shall not require a registration in order to activate.
- This warranty shall not be contingent upon completing mandatory overhaul or recommended preventative maintenance.