



City of Richmond

Report to Committee

To: Community Safety Committee **Date:** January 26, 2015
From: John McGowan **File:** 09-5140-01/2014-Vol
 Fire Chief, Richmond Fire-Rescue 01
Re: **Request for Proposal 4989P - Supply and Delivery of Self Contained Breathing Apparatus**

Staff Recommendation

1. That Contract 4989P, for the supply and delivery of Self Contained Breathing Apparatus, be awarded to Guillevin International Co., at a total cost of \$590,986.01, including taxes.
2. That the Chief Administrative Officer and General Manager of Law and Community Safety be authorized to execute the contract with Guillevin International Co. for the purchase and delivery of the Self Contained Breathing Apparatus identified within Request for Purchase (RFP) 4989P.

John McGowan
 Fire Chief
 (604-303-2734)

Att. 1

REPORT CONCURRENCE		
ROUTED TO: Finance	CONCURRENCE <input checked="" type="checkbox"/>	CONCURRENCE OF GENERAL MANAGER
REVIEWED BY STAFF REPORT / AGENDA REVIEW SUBCOMMITTEE	INITIALS: A	APPROVED BY CAO

Staff Report

Origin

Council approved a budget of \$605,000 for new Self Contained Breathing Apparatus (SCBA). A request for proposal was completed and Council's approval is sought to award the contract to Guillevin International Co., for delivery of SCBAs in 2015.

This report supports Council's Term Goal #1 Community Safety:

To ensure Richmond remains a safe and desirable community to live, work and play in, through the delivery of effective public safety services that are targeted to the City's specific needs and priorities.

Background

Firefighters rely upon their personal protective equipment to operate effectively and reduce the risk of injury or death, as is the case with SCBA. The SCBA unit includes the following components: a cylinder, air pack, face mask, and voice amplifier (Attachment 1).

Currently, RFR's inventory of 110 air packs is at the end of its life cycle, and it is prudent to make the change to a new system prior to equipment failure. Richmond Fire-Rescue's current inventory of SCBAs has been retrofitted three times over the past 10 years and as such does not have the capacity to be upgraded further.

In studying the available systems, RFR considered the industry standard for SCBA products, National Fire Protection Association standard 1852 "Standard on Selection, Care and Maintenance of open circuit self-contained breathing apparatus" (SCBA). NFPA standards are reviewed regularly and amended as required; the last amendment cycle was completed in 2013. Within the amendments was a requirement for SCBA emergency air supply breathing time to be increased from 25% to 33% of the total volume within a SCBA cylinder. RFR's current air cylinders are able to accomplish this, however the ergonomic design of the current air pack and cylinder configuration is not ideal and contributes to overexertion injuries while staff is involved in emergency operations.

The life cycle replacement of SCBA components is included in the Fire Equipment Reserve. The replacement of this equipment includes items such as air packs, cylinders, face masks, voice amplifiers, a buddy breathing system and associated parts and supplies. RFR conducted a study of available systems that, are lighter, more compact and fit the overall operational needs of RFR and forwarded the specifications out to the market through Request for Proposal (RFP) 4989P.

Request for Proposal

To facilitate the replacement of RFR's SCBA inventory, RFP 4989P was issued to the marketplace on October 21, 2014.

RFP 4989P closed on November 10, 2014 and resulted in submissions from Acklands-Grainger and Guillevin International Co.

Both companies provided quotes on the following items:

62 - Air Pak X3 5500 psig

200 - 5500 psig air cylinders

- 62 - AV 3000 HT face pieces
- 62 - EPIC 3 voice amplifiers, blue tooth ready
- 3 - Rapid Intervention Team (RIT) packs for 5500 psig platform
- 6 - 75 minute air cylinders for the RIT packs
- 1 - Computerized personnel accountability system
- An adequate start up inventory of maintenance parts

Financial Analysis

There were two proposals that fully complied with the RFP:

- Acklands-Granger: total cost of \$651,864 (including taxes)
- Guillevin International Co.: total cost of \$633,785 (including taxes)

Both companies offer the Scott Safety warranty as follows:

- Five years on electronics
- Ten years on all other parts
- Fifteen years on the pressure reducer

The RFP also requested bids on equipment to be disposed of that no longer had operational use (100 of air cylinders and 50 air packs). Guillevin International Co. responded they were prepared to purchase it for \$42,800. Acklands-Granger did not submit a bid to purchase the old equipment.

The recommendation is to award the contract to the lowest bidder, Guillevin International Co. at a total cost of \$633,785 including taxes.

It is also recommended for Council to approve the disposal of out of service equipment following the Disposal of City Assets policy.

Financial Impact

The total cost of \$633,785 exceeds the approved project of \$605,000 before consideration of the existing equipment to be disposed.

Staff recommend the disposal proceeds of \$42,800 from Guillevin International Co. be deposited as additional funding to the existing capital project approved for \$605,000, and the 2015 Capital Plan and 5-Year (2015-2019) Financial Plan be amended accordingly.

Conclusion

The process followed to procure the SCBA system is in compliance with the City of Richmond's Procurement Policy and Disposal of City Assets Policy. Guillevin International Co. is the lowest bidder and is therefore recommended.



Tim Wilkinson
Deputy Fire Chief, Operations (604-303-2701)

Att. 1: Self Contained Breathing Apparatus (SCBA)



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