



City of Richmond

Report to Committee

To: Community Safety Committee

Date: May 1, 2013

From: John McGowan
Fire Chief, Richmond Fire-Rescue

File: 09-5140-01/2013-Vol
01

Re: Tender Award T.4747 – Fire Pump Apparatus and 105' Ladder Apparatus

Staff Recommendation

1. That tender T.4747, for a Fire Pump Apparatus and a 105' Ladder Apparatus, be awarded to Wholesale Fire & Rescue Ltd., at a total cost of \$1,874,451, plus applicable taxes;
2. That the Chief Administrative Officer and General Manager of Law and Community Safety be authorized to execute the contract with Wholesale Fire & Rescue Ltd. (WFR) for the purchase of two (2) fire apparatus.

John McGowan
Fire Chief
(604-303-2734)

Att. 1

REPORT CONCURRENCE			
ROUTED TO:	CONCURRENCE	CONCURRENCE OF GENERAL MANAGER	
Finance Division	<input checked="" type="checkbox"/>		
REVIEWED BY DIRECTORS	INITIALS: DW	REVIEWED BY CAO	INITIALS:

Staff Report

Origin

During the 2011 and 2012 Capital Budget process, Council approved the expenditure of \$2,018,000, which was included in the respective 5 year financial plans, for two new fire apparatus. The tendering process has been completed and Council's approval to award the contract is sought to permit the apparatus to be delivered in 2014.

This report supports Council's Term Goal: *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

Operating a fire service that supports Council's mandated services to respond to routine, specialized, minor and major incidents while meeting industry standards requires an inventory of equipment and apparatus. Richmond Fire-Rescue's (RFR) apparatus inventory is assigned to primary or reserve status. Primary status apparatus are those vehicles that are specifically assigned to a fire hall and have been in service less than 15 years. The reserve status vehicles are not assigned to a Firehall, have been in service greater than fifteen years and are used when primary apparatus is under repair or the magnitude of an event requires additional staff and apparatus.

The vehicle inventory is well maintained mechanically and inspected to ensure that the vehicles are capable to deliver fire-rescue services. The inspection system includes the following considerations:

- Vehicle conditions, including mileage, and maintenance costs.
- Equipment efficiencies and sustainability.
- Industry standards from the National Fire Protection Association (NFPA).
- New technology and innovations.

Industry standards in North America for fire and public safety are provided by the NFPA. The NFPA has identified a 15 year life cycle for primary emergency response vehicles with an additional five years of service in a reserve role, for a total of 20 years. The vehicles that will be decommissioned have greater than 22 years of service.

Public Tendering

To facilitate the replacement of aging apparatus, Tender T.4747 was issued to the marketplace on January 21, 2013. A single tender for a fire pump and a 105' ladder apparatus was issued to allow for consistency in the style and type of units which facilitates ease of operation, maintenance and potential economies of scale.

Tender T.4747 closed on March 6, 2013 and resulted in submissions from Smeal Fire Apparatus Co. and Wholesale Fire & Rescue Ltd.

Tender Evaluation

An interdepartmental review of the technical specifications and the requirements that the apparatus be designed to address:

- operations in a dense urban environment;
- the safety of personnel;
- optimal work flow for fire crews and Emergency Vehicle Technicians (EVT's); and
- ergonomics with the intent to improve functionality while mitigating injury.

After a thorough evaluation of the submissions it was determined that Wholesale Fire & Rescue (WFR) provided the best value response in terms of specification, a shorter delivery time of nine month for both units and value for the money.

The WFR fire pump and 105' ladder provide for enhanced movement and operations in an urban setting such as; lower overall height and tighter turning radius for the ladder. This will benefit truck movement in densely developed areas of Richmond. Further, additional safety features are included such as controls and switches on the steering wheel that allow the driver to keep focused on the road and hands remain on the steering wheel.

WFR's design of the pumper and the ladder is oriented closer to the ground which improves safe access and egress and will potentially reduce injury of the fire personnel. Sample pictures and a list of enhancements and improvements can be seen at (Attachment 1).

Financial Analysis

The recommendation is to award to the lowest compliant bidder WFR, providing best value for the dollar for the fire pump apparatus and 105' ladder apparatus. The total capital budgets approved for both apparatus are \$2,018,000. The tender award of \$1,874,451 and PST results in a total cost of \$2,005,663. These costs are guaranteed by WFR for 90 days from May 1, 2013.

Financial Impact

Purchasing these vehicles is within the existing approved capital budgets.

Conclusion

The process followed to procure the apparatus is in compliance with the City of Richmond's procurement policy.

Awarding the tender to Wholesale Fire & Rescue represents best value to the City, and is therefore recommended.



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

a. Pump Truck



b. Ladder Truck



Enhancements/Improvement of the new units:

- Increased operational capacity with larger ladder
- Safety enhancements on both units
- Consistency for ease of operations and maintenance
- Ease of access and egress for fire personnel and EVT.
- Lower maintenance costs and warranty coverage
- Decreased emissions.