



# City of Richmond

## Notice and Agenda of Special Council Meeting

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Public Notice is hereby given of a Special Meeting of Council duly called in accordance with Section 126 of the *Community Charter*, to be held on:

**Date:** Wednesday, December 21, 2016  
**Time:** 4:00 p.m.  
**Place:** Anderson Room  
Richmond City Hall  
6911 No. 3 Road

Public Notice is also hereby given that this meeting may be conducted by electronic means and that the public may hear the proceedings of this meeting at the time, date and place specified above.

The purpose of the meeting is to consider the following:

CALL TO ORDER

RECESS FOR PARKS, RECREATION AND CULTURAL  
SERVICES COMMITTEE (OPEN)

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RECONVENE FOLLOWING RECREATION AND CULTURAL  
SERVICES COMMITTEE (OPEN)

COMMUNITY SAFETY COMMITTEE

1. **REQUEST FOR PROPOSAL 5732P – FIRE PUMP APPARATUS AND  
75' LADDER APPARATUS**  
(File Ref. No. 02-0745-01) (REDMS No. 5223709 V. 3)

CNCL-5

[See Page CNCL-5 for full report](#)

**CNCL – 1  
(Special)**

Special Council Agenda  
Wednesday, December 21, 2016

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COMMUNITY SAFETY COMMITTEE RECOMMENDATION

- (1) *That Request for Proposal 5732P - Supply and Delivery of 1 (One) Quint Fire Apparatus for Richmond Fire Rescue, be awarded to Wholesale Fire & Rescue Ltd., at a total cost of \$1,356,474.00 plus applicable taxes; and*
- (2) *That the Chief Administrative Officer and General Manager of Law and Community Safety be authorized to negotiate with Wholesale Fire & Rescue Ltd. (WFR) for the purchase of two (2) fire pumper apparatus in 2017 to be approved by Council.*



GENERAL PURPOSES COMMITTEE

2. **BUSINESS REGULATION BYLAW NO. 7538, AMENDMENT BYLAW NO. 9639 TO UPDATE SCHEDULE A, LIST OF AMUSEMENT CENTRES**

(File Ref. No. 12-8275-06) (REDMS No. 5203711 v. 2)

RECOMMENDATION to be forwarded from the Open General Purposes Committee meeting.



PLANNING COMMITTEE

3. **HOUSING AGREEMENT BYLAW NO. 9657 TO PERMIT THE CITY TO SECURE AFFORDABLE HOUSING UNITS LOCATED AT 3031, 3211, 3231, 3291, 3311, 3331, 3351 NO. 3 ROAD, 8151 CAPSTAN WAY, AND 8051 AND 8100 RIVER ROAD (YUANHENG SEASIDE DEVELOPMENTS LTD.)**

(File Ref. No. 08-4057-01) (REDMS No. 5243331)

RECOMMENDATION to be forwarded from the Open Planning Committee meeting.



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4. **APPLICATION BY XU YANG FOR REZONING AT 7431 WILLIAMS ROAD FROM SINGLE DETACHED (RS1/E) TO COACH HOUSES (RCH1)**

(File Ref. No. 12-8060-20-009613; RZ 15-718064) (REDMS No. 5108940)

RECOMMENDATION to be forwarded from the Open Planning Committee meeting.

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5. **APPLICATION BY SIMON WONG FOR REZONING AT 4560 GARRY STREET FROM SINGLE DETACHED (RS1/E) TO SINGLE DETACHED (RS2/A)**

(File Ref. No. 12-8060-20-009645; RZ 16-736824) (REDMS No. 5228139)

RECOMMENDATION to be forwarded from the Open Planning Committee meeting.

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6. **APPLICATION BY 1015553 BC LTD. FOR REZONING AT 4271 FRANCIS ROAD FROM “SINGLE DETACHED (RS1/E)” TO “SINGLE DETACHED (RS2/C)”**

(File Ref. No. 12-8060-20-009660; RZ 14-659770) (REDMS No. 5235499)

RECOMMENDATION to be forwarded from the Open Planning Committee meeting.

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7. **AMENDMENTS TO RICHMOND ZONING BYLAW 8500 FOR 2016 AFFORDABLE HOUSING CONTRIBUTION RATES**

(File Ref. No. 08-4430-01) (REDMS No. 5209613 v. 2)

RECOMMENDATION to be forwarded from the Open Planning Committee meeting.

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**Special Council Agenda**  
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8. **RICHMOND RESPONSE: METRO VANCOUVER PROPOSED REGIONAL GROWTH STRATEGY (RGS) AMENDMENT BYLAW 1236, 2016, TO MAKE MINOR CHANGES TO THE RGS SEWERAGE EXTENSION POLICIES AND PROCEDURES**

(File Ref. No.) (REDMS No. 5258159)

RECOMMENDATION to be forwarded from the Open Planning Committee meeting.

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**PARKS, RECREATION AND CULTURAL SERVICES  
COMMITTEE**

9. **RICHMOND CANADA 150 COMMUNITY CELEBRATION GRANT ALLOCATIONS - SECOND INTAKE**

(File Ref. No. 11-7400-20-CANA1) (REDMS No. 5249923 v. 2)

RECOMMENDATION to be forwarded from the Open Parks, Recreation And Cultural Services Committee meeting.

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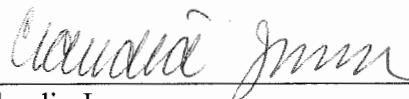
**BYLAWS FOR ADOPTION**

- CNCL-9** 10. Waterworks And Water Rates Bylaw No. 5637, Amendment **Bylaw No. 9633**  
Opposed at 1<sup>st</sup>/2<sup>nd</sup>/3<sup>rd</sup> Readings – None.

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**ADJOURNMENT**

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Claudia Jesson  
Acting Corporate Officer



# City of Richmond

## Report to Committee

**To:** Community Safety Committee

**Date:** November 16, 2016

**From:** Tim Wilkinson  
Acting Fire Chief, Richmond Fire-Rescue

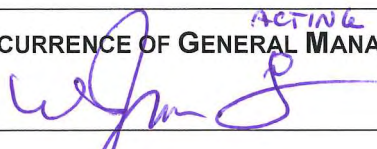
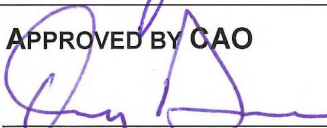
**File:** 02-0745-01/2016-Vol  
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**Re:** Request for Proposal 5732P – Fire Pump Apparatus and 75' Ladder Apparatus

### Staff Recommendation

1. That Request for Proposal 5732P - Supply and Delivery of 1 (One) Quint Fire Apparatus for Richmond Fire Rescue, be awarded to Wholesale Fire & Rescue Ltd., at a total cost of \$1,356,474.00 plus applicable taxes.
2. That the Chief Administrative Officer and General Manager of Law and Community Safety be authorized to negotiate and execute a contract with Wholesale Fire & Rescue Ltd. (WFR) for the purchase of two (2) fire pumper apparatus in 2017.

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

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

## Staff Report

### Origin

During the 2015 and 2016 Capital Budget process Council approved the expenditure of \$2,178,264, which was included in the respective 5 year financial plans, for two new fire apparatus. The original scope of the Request for Proposal includes provisions within the process allowing the City to purchase one or two fire apparatus. The review process has been completed to find that the initial budget to purchase two fire apparatus was insufficient. Council's approval to award the contract based on the purchase of one (1) apparatus is sought to permit the apparatus to be delivered in 2017.

This report supports Council's 2014-2018 Term Goal #1 A Safe Community:

*Maintain emphasis on community safety to ensure Richmond continues to be a safe community.*

### 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 20 years of service.

### Public Request for Proposal

To facilitate the replacement of aging apparatus, Request for Proposal 5732P was issued to the marketplace on August 31, 2016. A single Request for Proposal for a fire pump and a 75' Quint fire 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.

Request for Proposal 5732P closed on September 20<sup>th</sup>, 2016 and resulted in submissions from Smeal Fire Apparatus Co., Wholesale Fire & Rescue Ltd. and Associated Fire Safety.

### **Request for Proposal Evaluation**

An interdepartmental review of the technical specifications and requirements noted 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, standardization of the fleet and value for the money. During the evaluation process RFR determined that WFR's proposal is the only contractor in the market currently and for the foreseeable future that can fully meet the City's requirements.

The WFR fire pump and 75' Quint fire apparatus 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 with their hands remaining 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, potentially reducing injury of the fire personnel.

During the evaluation process the budgetary impacts were considered and the findings are that the American dollar had accelerated at a rate not originally considered within the Capital budget in regards to the Fire Pumper. While budget is a key consideration the bid that was best fits the RFR's operational requirements, allows for standardization of fleet and is evaluated as best value WFR's proposal. RFR does not expect that the market would change demonstrably within the next year. This leads to the conclusion that going back out to market in 2017 would not provide any further advantage. Therefore RFR recommends that, the CAO and General Manager of Law and Community Safety, be authorized to negotiate and execute a contract for the purchase of two Fire Pumper Apparatus in 2017. RFR has worked with Finance to address the budgetary concerns and Council will be given the opportunity to address this within the 2017 Capital Budget process. RFR expects that the Fire Vehicle and Equipment reserve will be better positioned in 2017 to the point where two Fire Pumpers could be purchased on budget.

### **Financial Impact**

The recommendation is to award WFR with the contract to purchase the Fire Quint Apparatus, providing best value for the dollar for the fire apparatus. The total capital budgets approved for both apparatus are not adequate to allow for the purchase of both vehicles in 2016. The recommendation is to approve the purchase of the Quint fire apparatus at \$1,356,474.00.

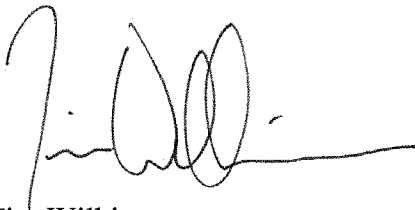
The Request for Proposal award of \$1,356,474.00 plus applicable taxes of \$94,953.18 pst and \$67,823.70 gst results in a total cost of \$1,519,280.88. These costs are guaranteed by WFR for 90 days from September 20th, 2016.

Purchasing the quint fire apparatus vehicle in 2016 is within the existing approved capital budget.

### **Conclusion**

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

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

A handwritten signature in black ink, appearing to read 'Tim Wilkinson', with a long horizontal line extending to the right.

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





**Waterworks and Water Rates Bylaw No. 5637,  
Amendment Bylaw No. 9633**

The Council of the City of Richmond enacts as follows:

1. The **Waterworks and Water Rates Bylaw No. 5637**, as amended, is further amended:
  - a) by deleting section 9(b)(ii) and substituting the following:

“(ii) the **City** will reimburse to the **property owner**, if the property is not a strata development, or the **Strata Corporation**, if the property is a strata development, the actual cost incurred to establish one or more new metered water service, to a maximum of the greater of:

    - A) \$100,000.00 per **multi-family dwelling** property; or
    - B) \$1,200.00 per dwelling unit within a **multi-family dwelling** property.”;

and
  - b) by deleting Schedules A through G and substituting the schedules attached to and forming part of this Bylaw.
2. This Bylaw comes into force and effect on January 1, 2017.
3. This Bylaw is cited as “**Waterworks and Water Rates Bylaw No. 5637, Amendment Bylaw No. 9633**”.

FIRST READING

SECOND READING

THIRD READING

ADOPTED

NOV 28 2016

NOV 28 2016

NOV 28 2016 DEC 12 2016

CITY OF RICHMOND
APPROVED for content by originating dept. 
APPROVED for legality by Solicitor 

\_\_\_\_\_  
MAYOR

\_\_\_\_\_  
CORPORATE OFFICER

**SCHEDULE TO BYLAW NO. 9633****SCHEDULE "A" to BYLAW NO. 5637****BYLAW YEAR - 2017****FLAT RATES FOR  
RESIDENTIAL, AGRICULTURAL, AND INSTITUTIONAL PROPERTIES**

	<b>Annual Fee</b>
A. Residential dwellings per unit	
One-Family Dwelling or Two-Family Dwelling	\$684.02
Townhouse	\$599.93
Apartment	\$360.81
B. Stable or Barn per unit	\$137.82
C. Field Supply – each trough or water receptacle or tap	\$86.16
D. Public Schools for each pupil based on registration January 1 <sup>st</sup>	\$8.16

**SCHEDULE "B" TO BYLAW NO. 5637****BYLAW YEAR 2017****METERED RATES FOR  
INDUSTRIAL, COMMERCIAL, INSTITUTIONAL, MULTI-FAMILY,  
STRATA-TITLED AND FARM PROPERTIES****1. RATES**

Consumption per cubic metre:	\$1.2883
Minimum charge in any 3-month period (not applicable to Farms)	\$114.00

**2. RATES FOR EACH METER**

Rent per **water meter** for each 3-month period:

Meter Size	Base Rate
16 mm to 25 mm (inclusive)	\$15
32 mm to 50 mm (inclusive)	\$30
75 mm	\$110
100 mm	\$150
150 mm	\$300
200 mm and larger	\$500

**SCHEDULE "C" TO BYLAW NO. 5637****BYLAW YEAR 2017****METERED RATES FOR  
ONE-FAMILY DWELLING AND TWO-FAMILY DWELLING****1. RATES**

Consumption per cubic metre: \$1.2883

**2. RATES FOR EACH METER**

Rent per **water meter** for each 3-month period:

<u>Meter Size</u>	<u>Base Rate</u>
16 mm to 25 mm (inclusive)	\$12
32 mm to 50 mm (inclusive)	\$14
75 mm	\$110
100 mm	\$150
150 mm	\$300
200 mm and larger	\$500

## SCHEDULE "D" to BYLAW 5637

### 1. WATER CONNECTION CHARGE

One-Family, Two-Family, Multi-Family, Industrial, Commercial Water Connection Size	Connection Charge	
	Tie In Charge	Price Per Metre of Service Pipe
25mm (1") diameter	\$2,550	\$175.00
40mm (1 ½") diameter	\$3,500	\$175.00
50mm (2") diameter	\$3,650	\$175.00
100mm (4") diameter or larger	in accordance with Section 38	in accordance with Section 38

### 2. DESIGN PLAN PREPARED BY CITY

Design plan prepared by City for one-family dwelling or two-family dwelling	\$1,000 each
Design plan for all other buildings	\$2,000

### 3. WATER METER INSTALLATION FEE

Install water meter [s. 3A(a)]	\$1,000 each
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**SCHEDULE "E" to BYLAW 5637****BYLAW YEAR - 2017****CONSTRUCTION PERIOD WATER CONSUMPTION RATES –  
RESIDENTIAL**

<b>MONTH (2016)</b>	<b>ONE-FAMILY DWELLINGS &amp; EACH UNIT IN A TWO-FAMILY DWELLING (rate per unit)</b>	<b>START BILL YEAR</b>	<b>MULTI- FAMILY LESS THAN 4 STOREYS (rate per unit)</b>	<b>START BILL YEAR</b>	<b>MULTI- FAMILY 4 STOREYS OR MORE (rate per unit)</b>	<b>START BILL YEAR</b>
January	\$684	2018	\$560	2018	\$740	2019
February	\$627	2018	\$1,101	2019	\$710	2019
March	\$570	2018	\$1,055	2019	\$680	2019
April	\$513	2018	\$1,008	2019	\$649	2019
May	\$456	2018	\$961	2019	\$619	2019
June	\$399	2018	\$915	2019	\$589	2019
July	\$342	2018	\$868	2019	\$559	2019
August	\$1,003	2019	\$821	2019	\$927	2020
September	\$946	2019	\$775	2019	\$897	2020
October	\$889	2019	\$728	2019	\$867	2020
November	\$832	2019	\$681	2019	\$837	2020
December	\$775	2019	\$635	2019	\$807	2020

**CONSTRUCTION PERIOD WATER CONSUMPTION RATES –  
COMMERCIAL AND INDUSTRIAL**

<b>Water Connection Size</b>	<b>Consumption Charge</b>
20mm (3/4") diameter	\$135
25mm (1") diameter	\$270
40mm (1 1/2") diameter	\$675
50mm (2") diameter and larger	\$1,690

**SCHEDULE "F" to BYLAW 5637****BYLAW YEAR - 2017****MISCELLANEOUS CHARGES**

1.	For an inaccessible meter as set out in Section 7	\$171 per quarter
2.	For each turn on or turn off	\$100
3.	For each non-emergency service call outside regular hours	Actual Cost
4.	Fee for testing a water meter	\$365
5.	Water Service Disconnections:	
	(a) when the service pipe is temporarily disconnected at the property line for later use as service to a new building	\$165
	(b) when the service pipe is not needed for a future development and must be permanently disconnected at the watermain, up to and including 50mm	\$1,100
	(c) if the service pipe is larger than 50mm	Actual Cost
6.	Troubleshooting on private property	Actual Cost
7.	Fire flow tests of a watermain:	
	First test	\$250
	Subsequent test	\$150
8.	Locate or repair of curb stop service box or meter box	Actual Cost
9.	Toilet rebate per replacement	\$100
10.	Fee for water meter verification request	\$50

**SCHEDULE "G" to BYLAW 5637****BYLAW YEAR - 2017****RATES FOR VANCOUVER INTERNATIONAL AIRPORT AUTHORITY (YVR)**

Applicable rate is \$0.7476 per cubic meter of water consumed, plus the following amounts:

- YVR's share of future water infrastructure capital replacement calculated at \$0.3372 per m<sup>3</sup>
- 50% of the actual cost of operations and maintenance activities on water infrastructure shared by the **City** and YVR, as shown outlined in red on the plan attached as Schedule H
- 100% of the actual cost of operations and maintenance activities on water infrastructure serving only YVR, as shown outlined in red on the plan attached as Schedule H
- 100% of the actual cost of operations and maintenance activities on a section of 1064 m water main, as shown outlined in green on the plan attached as Schedule H from the date of completion of the Canada Line public transportation line for a period of 5 years. After the 5 year period has expired, costs for this section will be equally shared between the **City** and YVR
- 76 m<sup>3</sup> of water per annum at rate of \$0.7476 per cubic meter for water used annually for testing and flushing of the tank cooling system at Storage Tank Farm TF2 (in lieu of metering the 200 mm diameter water connection to this facility)

(Note: water infrastructure includes water mains, pressure reducing valve stations, valves, hydrants, sponge vaults and appurtenances)