



To: Richmond City Council

Date: October 28, 2006

From: Andrew Nazareth
General Manager, Business & Financial Svcs

File: 03-0970-01/2006-Vol 01


Jeff Day, P. Eng., General Manager,
Engineering & Public Works

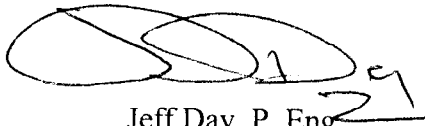
Re: 2007 Utility Rates

Staff Recommendation


1. That the following bylaws, which will bring into effect the 2007 Utility Rates as approved by Council on October 23, 2006, be introduced and given first, second and third readings:
 - a) Drainage, Dyke and Sanitary Sewer System Bylaw No. 7551, Amendment Bylaw No. 8151,
 - b) Solid Waste and Recycling Regulation Bylaw No. 6803, Amendment Bylaw No. 8152,
 - c) Waterworks and Water Regulation and Rates Bylaw No. 5637, Amendment Bylaw No. 8153.

2. That the Mayor and Director, City Clerk's Office be authorized to execute the agreement dated July 4, 2006 with the Vancouver International Airport Authority, which clarifies maintenance responsibility for watermains situated under the Canada Line tracks.


 Andrew Nazareth
 General Manager, Business and
 Financial Services
 (4095)


 Jeff Day, P. Eng.
 General Manager, Engineering
 & Public Works
 (4019)

Att. 4

REVIEWED BY TAG	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
REVIEWED BY CAO (ACTING) 	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>

Staff Report

Origin

At their October 23, 2006 meeting, Council approved the 2007 Utility Budgets and directed staff to report to Council with the necessary amendment bylaws to bring the required rates into effect.

This report responds to that request.

Analysis

Rates for Water, Sewer & Drainage, and Solid Waste & Recycling are calculated each year based on regional and City costs. These rates must be enacted by December 31, 2006 to enable billing in 2007.

The staff report entitled "2007 Utility Budgets" dated October 17, 2006 outlines budget detail and rationale for the proposed rates. These budgets and rates provide for the City to meet regional increases in water purchases and sewer treatment, as well as City costs for managing this infrastructure.

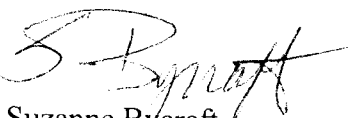
The staff report also highlighted a proposed agreement with YVR (Attachment 1), which clarifies responsibility between the two parties associated with maintaining watermains situated under the Canada Line tracks. Under this agreement, YVR will maintain a large section of watermain for a period of 5 years, commencing January 1, 2007, after which the costs will be shared equally between YVR and the City. These changes are reflected in Amendment Bylaw 8153, which is presented with this report. It is recommended that execution of this agreement also be authorized.

Financial Impact

The proposed rates represent a total increase of 11% over 2006.

Conclusion

The proposed amendment bylaws will bring into effect the 2007 rates as previously approved by Council. The proposed agreement with YVR clarifies responsibility for watermain maintenance along the Canada Line tracks.



Suzanne Bycraft
Manager, Fleet & Environmental Programs
(3338)

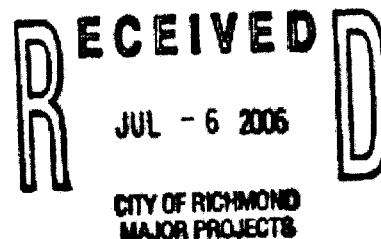
SJB:



Vancouver International Airport Authority
Administration de l'aéroport international de Vancouver
P.O. Box 23256
Airport Postal Outlet
Richmond, B.C. Canada V7B 1Y7
Website: www.yvr.ca

July 4th, 2006

Joyce Chang
Project Manager, Major Projects
Chief Administrative Office
City of Richmond
6911 No. 3 Road
Richmond, BC V6Y 2C1



RE: Canada Line Tracks Crossing of Watermains on Sea Island

Dear Joyce,

Further to our meeting of April 27th and our subsequent e-mail of May 4th, the following will summarize the Agreement reached between the City of Richmond (COR) and Vancouver International Airport Authority (Authority) regarding the issues related to the crossing of the Canada Line tracks over the watermains on Sea Island. Portions of the following 3 watermains situated under the Canada Line tracks are at issue: 42 inch watermain, 24 inch watermain, and 30 inch watermain.

42 inch watermain

1. The Authority will direct the Canada Line contractor, RSI, to install a parallel concrete sleeve pipe (60 inch or larger) adjacent to the existing 42 inch watermain for the purposes of future replacement when required.
2. COR will not be obligated to pay for the cost of the installation of the above referenced concrete sleeve pipe. The cost of installation including water tie-ins will be the sole responsibility of the Authority. The water tie-ins must be performed by COR staff.
3. The Authority will be responsible for 100% of maintenance costs for the subject section of the 42 inch watermain (or the 60 inch or larger concrete sleeve pipe, as the case may be) for a period of 5 years from completion of construction of the Canada Line. Following this 5 year period, the Authority and COR will share, on a 50/50 basis, any future maintenance costs for this section of the 42 inch watermain (or the 60 inch or larger concrete sleeve, as the case may be) as per

Bylaw No.5637, as amended by Bylaw No.7646 relating to Schedule G, Rates for Vancouver International Airport Authority.

24 inch watermain

4. The Authority will direct RSL to replace the 24 inch watermain (lying perpendicular to the Canada Line tracks) with HDPE pipe. The HDPE pipe will be situated under the Canada Line tracks and extend 10 metres on each side of the Canada Line tracks.
5. The cost of installation including watermain tie-ins will be the responsibility of the Authority. The water tie-ins must be performed by COR staff.
6. The Authority will be responsible for 100% of the maintenance costs for the 24 inch watermain.

30 inch watermain

7. The Authority will direct RSL to install a parallel concrete sleeve (42 inch or larger) adjacent to the section of the 30 inch watermain situated under the Canada Line tracks for the purposes of future replacement when required.
8. The cost of any future installation including watermain tie-ins will be the responsibility of the Authority. The water tie-ins must be performed by COR staff.
9. The Authority will be responsible for 100% of the maintenance costs for the 30 inch watermain and 42 inch or larger concrete sleeve and any new watermain installations, as the case may be.
10. Light fill will be used over the section of the Canada Line tracks crossing over the subject watermains that are not replaced with HDPE pipe.

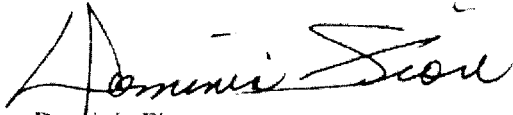
COR will amend Schedule G to Bylaw No. 5637, as amended, to reflect this Agreement.

COR will not be liable for any damages to the Canada Line tracks resulting from water leaks, breaks, or water erosion related repairs of the above referenced portions of the subject watermains unless such damage and required repairs are due to the negligence of COR for work performed by COR.

I believe the foregoing reflects our agreement on the watermain issues. Will you kindly sign in the space below signifying your acceptance on the above and returning a copy to my attention.

Thank you for your co-operation regarding this issue.

Sincerely,



Dominic Fiore
Director, Capital Facilities Development

DF/ers

AGREED AND ACCEPTED BY:

Name: _____

Title: _____

Date: _____

Cc: Carlos Rocha - Design Technologist - Major Projects
Vern Shaver - RSL
Verne Janzen - SNC-Lavalin
John Lenahan - YVRAA (ENG)
Sergio C. Custodio - YVRAA (LCS)

Joyce Chang
City of Richmond
May 10, 2006
Page Three



**Drainage, Dyke and Sanitary Sewer System Bylaw No. 7551,
Amendment Bylaw No. 8151**

The Council of the City of Richmond enacts as follows:

1. That clause (b) of section 2.1 of Bylaw No. 7551 be amended by deleting the figure '\$44.60' and by substituting the figure, '\$55.75'.
2. Bylaw No. 7551 is amended by deleting Schedule C and substituting the attached Schedule C.
3. This Bylaw comes into force and effect on January 1, 2007.
4. This Bylaw is cited as "**Drainage, Dyke And Sanitary Sewer System Bylaw No. 7551, Amendment Bylaw No. 8151**".

FIRST READING

SECOND READING

THIRD READING

ADOPTED

CITY OF RICHMOND
APPROVED for content by originating dept
<i>RTS</i>
APPROVED for legality by Solicitor
<i>MLT</i>

MAYOR

CORPORATE OFFICER

SCHEDULE C to BYLAW NO. 7551**SANITARY SEWER USER FEES**

(Page 1 of 2)

1. FLAT RATES FOR NON-METERED PROPERTIES

(a) Residential Dwellings	Annual Fee Per Unit
(i) One-Family Dwelling or Two-Family Dwelling with ¾-inch water service	\$ 263.61
(i) One-Family Dwelling or Two-Family Dwelling with 1-inch or greater water service	See metered rates
(iii) Multiple-Family Dwellings of less than 4 storeys in height	\$ 241.20
(iv) Multiple-Family Dwellings 4 or more storeys in height	\$ 200.88
(b) Public School (per classroom)	\$ 256.85
(c) Shops and Offices	\$ 216.89

2. RATES FOR METERED PROPERTIES

Rate per cubic metre of water delivered to the property:	\$ 0.5979
Minimum charge in any quarter of a year:	\$ 56.52

SCHEDULE C to BYLAW NO. 7551**SANITARY SEWER USER FEES**

(Page 2 of 2)

3. CONSTRUCTION PERIOD – PER DWELLING UNIT

Month (2007)	Regular Family Dwelling (per unit rate) (Rate per unit)	Start Bill Year	Multiple-Family Dwelling (less than 4 storeys in height) (Rate per unit)	Start Bill Year	Multiple-Family Dwelling (4 or more storeys in height) (Rate per unit)	Start Bill Year
January	\$132	2008	\$--	2008	\$116	2009
February	\$110	2008	\$254	2009	\$96	2009
March	\$88	2008	\$231	2009	\$77	2009
April	\$66	2008	\$208	2009	\$58	2009
May	\$44	2008	\$185	2009	\$39	2009
June	\$22	2008	\$162	2009	\$19	2009
July	\$--	2008	\$139	2009	\$--	2009
August	\$278	2009	\$116	2009	\$244	2010
September	\$253	2009	\$92	2009	\$221	2010
October	\$227	2009	\$69	2009	\$199	2010
November	\$202	2009	\$46	2009	\$177	2010
December	\$177	2009	\$23	2009	\$155	2010



**Solid Waste & Recycling Regulation Bylaw No. 6803, Amendment
Bylaw No. 8152**

The Council of the City of Richmond enacts as follows:

1. Bylaw No. 6803 is amended by deleting Schedules A through D and substituting the attached Schedules A through D.
2. This Bylaw comes into force and effect on January 1, 2007.
3. This Bylaw is cited as **“Solid Waste & Recycling Regulation Bylaw No. 6803, Amendment Bylaw No. 8152”**.

FIRST READING

SECOND READING

THIRD READING

ADOPTED

CITY OF RICHMOND
APPROVED for content by originating dept.

APPROVED for legality by Solicitor


MAYOR

CORPORATE OFFICER

SCHEDULE A to BYLAW NO. 6803

FEEs FOR CITY GARBAGE COLLECTION SERVICE		
Annual City garbage collection service fee for each single-family dwelling, each unit in a duplex dwelling, and each unit in a townhouse development	\$	100.77
Fee for each excess garbage container tag	\$	2.00

SCHEDULE B to BYLAW NO. 6803

FEEs FOR CITY RECYCLING SERVICE		
Annual City recycling service fee:		
(a) for residential properties, which receive blue box service (per unit)	\$	45.26
(b) for multi-family dwellings or townhouse developments which receive centralized collection service (per unit)	\$	22.81
Annual recycling service fee for yard and garden trimmings from single-family dwellings and from each unit in a duplex dwelling	\$	41.28
City recycling service fee for the Recycling Depot:		
		\$15.00 per cubic yard
(a) (i) for yard and garden trimmings from residential properties		for the second and each subsequent cubic yard
(ii) for recyclable material from residential properties		\$0
(b) for yard and garden trimmings from non-residential properties		\$15.00 per cubic yard
(c) for recycling materials from non-residential properties		\$0
Annual City recycling service fee for non-residential properties	\$	1.67

SCHEDULE C to BYLAW NO. 6803

FEEs FOR CITY LITTER COLLECTION SERVICE		
Annual City litter collection service fee for both residential properties and non-residential properties	\$	22.58

SCHEDULE D to BYLAW NO. 6803

NEW RESIDENTIAL PROPERTY PAYMENT FEE SCHEDULE														
GARBAGE, RECYCLING & LITTER COLLECTION FEE						RECYCLING & LITTER COLLECTION FEE PER STRATA LOT								
Single-Family Dwellings & Each Unit in a Duplex Dwelling						Townhouse Development			Townhouse Development			Multi-Family Development		
Month in Current Year in which Building Permit is Issued	Prorated Fee Per Unit	Year in which Annual Fee Commences	Prorated Fee Per Unit	Year in which Annual Fee Commences	Year in which Annual Fee Commences	Prorated Fee Per Unit	Year in which Annual Fee Commences	Prorated Fee Per Unit	Year in which Annual Fee Commences	Prorated Fee Per Unit	Year in which Annual Fee Commences			
January 2007	\$ 94	2008	\$ -	2008	\$ -	-	2008	\$ -	2008	\$ 20	2009			
February 2007	\$ 79	2008	\$ 139	2009	\$ 56	2009	2009	\$ 17	2009	\$ 17	2009			
March 2007	\$ 63	2008	\$ 126	2009	\$ 51	2009	2009	\$ 14	2009	\$ 14	2009			
April 2007	\$ 47	2008	\$ 114	2009	\$ 46	2009	2009	\$ 10	2009	\$ 10	2009			
May 2007	\$ 31	2008	\$ 101	2009	\$ 41	2009	2009	\$ 7	2009	\$ 7	2009			
June 2007	\$ 16	2008	\$ 89	2009	\$ 36	2009	2009	\$ 3	2009	\$ 3	2009			
July 2007	\$ -	2008	\$ 76	2009	\$ 31	2009	2009	\$ -	2009	\$ -	2009			
August 2007	\$ 173	2009	\$ 63	2009	\$ 25	2009	2009	\$ 39	2010	\$ 39	2010			
September 2007	\$ 157	2009	\$ 51	2009	\$ 20	2009	2009	\$ 36	2010	\$ 36	2010			
October 2007	\$ 142	2009	\$ 38	2009	\$ 15	2009	2009	\$ 32	2010	\$ 32	2010			
November 2007	\$ 126	2009	\$ 25	2009	\$ 10	2009	2009	\$ 29	2010	\$ 29	2010			
December 2007	\$ 110	2009	\$ 13	2009	\$ 5	2009	2009	\$ 25	2010	\$ 25	2010			



**Waterworks and Water Rates Bylaw No. 5637,
Amendment Bylaw No. 8153**

The Council of the City of Richmond enacts as follows:

1. That section 1 of Bylaw No. 5637 be amended by deleting the definition for “Temporary Disconnection”, and by substituting the following:

“TEMPORARY DISCONNECTION means the disconnection of a service pipe at a property line for a short term during which time buildings or structures on the premises served are demolished and new buildings or structures are constructed, other than a service pipe that is less than 25 mm in diameter or a service pipe that is older than 25 years.”

2. That paragraph (b) of section 4 of Bylaw No. 5637 be amended by deleting the paragraph in its entirety and by substituting the following:

“(b) Where an application for a building permit has been made:

- i. for works having a value of \$75,000 or greater; or
- ii. where the existing water service pipe between the City stop at the main and the curb stop at the property line
 - A. was installed more than 25 years ago; or
 - B. is less than 25 mm in diameter;

a new water meter service shall be installed by the **City** at the owner’s expense, in accordance with the Water Connection Fees set out in Schedule “D”.”

3. That paragraph (c) of section 6 of Bylaw No. 5637 be amended by deleting the paragraph in its entirety and by substituting the following:

“(c) A meter on a new connection shall not encroach upon a sidewalk or driveway.”

4. That paragraph (b) of section 10 of Bylaw No. 5637 be amended by deleting the paragraph in its entirety and by substituting the following:

“(b) Every owner shall locate the service box and or meter box at finished ground level and clear of any structure, driveway, curb or sidewalk.”

- 5. That section 31 of Bylaw No. 5637 be amended by deleting the clause in its entirety and by substituting the following:
 “31. Customers depending on a continuous and uninterrupted supply of water or having processes or equipment that require particularly clear or pure water may provide such emergency storage, over-size piping, pumps, tanks, filters, pressure regulators, check valves, additional service pipes, or other means for a continuous and adequate supply of water suitable to their requirements, in accordance with any requirements of a Plumbing Permit issued by the City under its Building Regulation Bylaw.”
- 6. That section 37.1 of Bylaw No. 5637 be amended by:
 - (a) in clause (d) deleting the figure ‘\$62.00’, and by substituting the figure, ‘\$65.00’; and
 - (c) by adding the following as clause (e),
 “(e) Owners of a private fire hydrant shall arrange for and ensure servicing of the fire hydrant after use.”
- 7. Bylaw No. 5637 is amended by deleting Schedules A through G and substituting the attached Schedules A through G.
- 8. This Bylaw comes into force and effect on January 1, 2007.
- 9. This Bylaw is cited as “**Waterworks And Water Rates Bylaw No. 5637, Amendment Bylaw No. 8153**”.

FIRST READING

SECOND READING

THIRD READING

ADOPTED

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

MAYOR

CORPORATE OFFICER

SCHEDULE "A" to BYLAW NO. 5637**BYLAW YEAR - 2007****FLAT RATES FOR RESIDENTIAL, AGRICULTURAL, AND
INSTITUTIONAL PURPOSES ONLY**

A.	Residential Dwellings per unit	
	Dwellings with 20 mm ($\frac{3}{4}$ ") water service	\$426.36
	Dwellings with 25mm (1") water service or greater than 25 mm (1") water service	See Metered Rates – Schedule B
	Townhouse	\$349.03
	Apartment	\$224.91
B.	Stable or Barn per unit	\$96.92
C.	Field Supply – each trough or water receptacle or tap	\$60.58
D.	Public Schools for each pupil based on registration January 1 st	\$5.73

SCHEDULE B to BYLAW NO. 5637**BYLAW YEAR – 2007****METERED RATES****(Page 1 of 2)****METERED COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL PROPERTIES
AND MULTIPLE-FAMILY AND STRATA TITLED PROPERTIES****1. RATES**

All consumption per cubic metre:	\$0.7531
Minimum charge in any 3-month period:	\$95.00
Undetected leak rate per cubic metre (per section 25b of this bylaw):	\$0.3618

2. RENTS FOR EACH METERRent per **water meter** for each 3-month period:

For a 16mm (5/8") meter	\$11.00
For a 20mm (3/4") meter	\$14.00
For a 25mm (1") meter	\$15.50
For a 32mm (1 1/4") meter	\$27.00
For a 40mm (1 1/2") meter	\$27.00
For a 50mm (2") meter	\$30.50

COMPOUND TYPE

75mm (3")	\$103.00
100mm (4")	\$158.00
150mm (6")	\$262.00

TURBINE TYPE

50mm (2")	\$60.50
75mm (3")	\$78.00
100mm (4")	\$113.00
150mm (6")	\$215.50
200mm (8")	\$280.00

FIRE LINE TYPE

100mm (4")	\$271.00
150mm (6")	\$366.00
200mm (8")	\$475.00
250mm (10")	\$633.00

SCHEDULE B to BYLAW NO. 5637**BYLAW YEAR – 2007****METERED RATES****(Page 2 of 2)****METERED RESIDENTIAL PROPERTIES****1. RATES**

All consumption per cubic metre:	\$0.7531
Minimum charge in any 3-month period:	\$20.00
Underground leak rate per cubic metre (per section 25b of this bylaw):	\$0.3618

2. MAINTENANCE CHARGE FOR EACH METER

Maintenance charge for water meter with connection up to 50mm (2") for each 3-month period:	\$10.00*
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*For residential properties with a connection greater than 50mm (2"),
the commercial and industrial properties rental rates apply.

SCHEDULE C to BYLAW NO. 5637**BYLAW YEAR - 2007****METERED RATES****FARMS****1. RATES**

All consumption per cubic metre:	\$0.7531
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Minimum charge per 3-month period*:	
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For 1 st quarter billing (January – March inclusive) for 90m ³ or less	\$95.00
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For 2 nd quarter billing (April – June inclusive) for 95m ³ or less	\$95.00
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For 3 rd quarter billing (July – September inclusive) for 140m ³ or less	\$95.00
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For 4 th quarter billing (October - December inclusive) for 90m ³ or less	\$95.00
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*No minimum charge applies where there is no dwelling on the property.

2. MAINTENANCE CHARGE FOR EACH METER

Maintenance charge for meter up to 25mm (1") for each 3-month period	\$10.00*
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*Applies only to properties with no dwelling.

SCHEDULE D to BYLAW 5637

BYLAW YEAR - 2007

1. WATER CONNECTION CHARGE

SFD Residential Water Connection Size	Connection Charge	Price Per Metre Charge	Meter Charge
25mm (1") diameter	\$1,800	\$175.00	\$750
40mm (1 ½") diameter	\$2,400	\$175.00	\$1,100
50mm (2") diameter	\$2,400	\$175.00	\$1,250
For residential properties with a connection greater than 50mm (2"), the commercial and industrial properties connection rates apply.			

Multi-Family / Industrial / Commercial Water Connection Size	Connection Charge	Price Per Metre Charge
25mm (1") diameter	\$1,800	\$175.00
40mm (1 ½") diameter	\$2,400	\$175.00
50mm (2") diameter	\$2,400	\$175.00
100mm (4") diameter	\$6,900	\$350.00
150mm (6") diameter	\$7,100	\$350.00
200mm (8") diameter	\$7,300	\$350.00
larger than 200mm (8") diameter	by estimate	by estimate

SCHEDULE E to BYLAW 5637

BYLAW YEAR - 2006

**CONSTRUCTION PERIOD WATER CONSUMPTION RATES –
RESIDENTIAL**

MONTH	REGULAR FAMILY DWELLING (rate per unit)	START BILL YEAR	MULTI-FAMILY APARTMENT LESS THAN 4 STOREYS (rate per unit)	START BILL YEAR	MULTI-FAMILY APARTMENT 4 STOREYS & UP (rate per unit)	START BILL YEAR
January 2007	\$ 426	2008	\$ 349	2008	\$ 484	2009
February 2007	\$ 391	2008	\$ 721	2009	\$ 465	2009
March 2007	\$ 355	2008	\$ 692	2009	\$ 446	2009
April 2007	\$ 320	2008	\$ 663	2009	\$ 427	2009
May 2007	\$ 284	2008	\$ 634	2009	\$ 409	2009
June 2007	\$ 249	2008	\$ 605	2009	\$ 390	2009
July 2007	\$ 213	2008	\$ 576	2009	\$ 371	2009
August 2007	\$ 668	2009	\$ 547	2009	\$ 650	2010
September 2007	\$ 632	2009	\$ 518	2009	\$ 631	2010
October 2007	\$ 597	2009	\$ 489	2009	\$ 612	2010
November 2007	\$ 561	2009	\$ 460	2009	\$ 594	2010
December 2007	\$ 526	2009	\$ 430	2009	\$ 575	2010

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

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

SCHEDULE F to BYLAW 5637

BYLAW YEAR - 2007

MISCELLANEOUS CHARGES

1.	For an inaccessible meter as set out in Section 7	\$36 per month
2.	For each turn on or turn off	\$65
3.	For each non-emergency service call outside regular hours	Actual Cost
4.	Deposit for testing a meter as set out in Section 26	\$350
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.	Trouble Shooting on Private Property	Actual Cost
7.	Fire flow tests of a watermain:	
	First test	\$250
	Subsequent test	\$100
8.	Locate or repair of curb stop service box	Actual Cost

SCHEDULE G to BYLAW 5637**BYLAW YEAR - 2007****RATES FOR VANCOUVER INTERNATIONAL AIRPORT AUTHORITY (YVR)**

Applicable rate is \$0.3618 per cubic meter of water consumed, plus the following amounts:

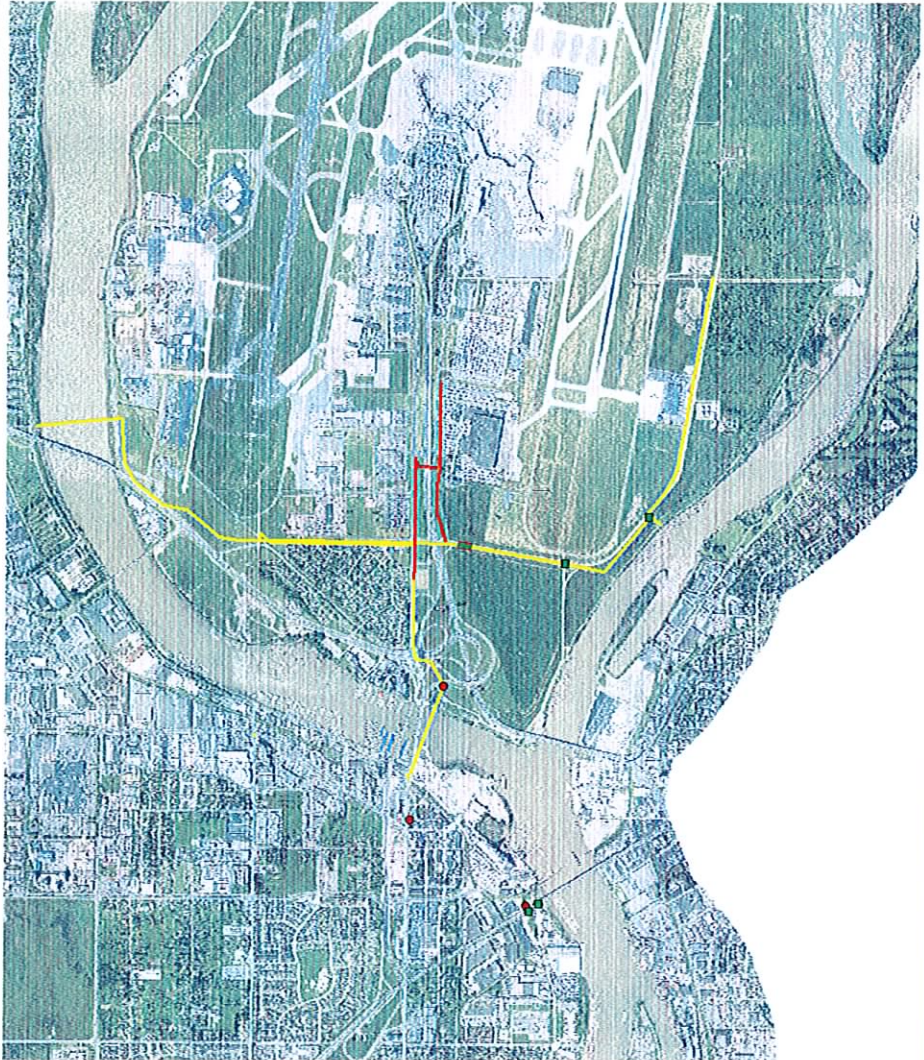
- YVR's share of future water infrastructure capital replacement calculated at \$0.2290 per m³
- 50% of the actual cost of operations and maintenance activities on water infrastructure shared by the **City** and YVR, as shown outlined in red on the plan attached as Schedule H
- 100% of the actual cost 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 for a period of 5 years from the date of adoption of Waterworks and Water Rates Bylaw No. 5637, Amendment Bylaw No. 8153. After the 5 year period has expired, costs for this section will be equally shared between the City and YVR.

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

SCHEDULE H to BYLAW NO. 5637

RICHMOND
Monte Carlo by Atlantic

Airport Water Mains



Legend

VALVE CHAMBERS

■ PRV

● SPONGE VAULT

WATER MAINS

— YVR

— SHARED

— SPECIAL 5 YEAR AGREEMENT



Creation Date: September, 2006
Created By: Julie Harsani

NOTE:
This information is provided for informational purposes only. It is not intended to be used as a substitute for professional engineering or architectural services. The user of this information is responsible for obtaining all necessary permits and approvals from the appropriate authorities. The user of this information is also responsible for obtaining all necessary permits and approvals from the appropriate authorities. The user of this information is also responsible for obtaining all necessary permits and approvals from the appropriate authorities.

