

Item	01
Meeting	2007 December 03

COUNCIL REPORT

TO:

CITY MANAGER

DATE:

2007 November 27

FROM:

DIRECTOR FINANCE

FILE:

39500 01

SUBJECT:

WATERWORKS UTILITY RATES FOR 2008

PURPOSE:

To obtain Council approval for 2008 Water Rates

RECOMMENDATION:

1. THAT Burnaby Waterworks Regulation Bylaw be amended to provide for the water rates contained in Schedule A, effective 2008 January 01 including the additional amendments as outlined in this report.

- **2. THAT** sections 17 and 18 of the Burnaby Waterworks Regulation Bylaw be amended to provide for greater flexibility for the Collector to determine the estimation of consumption.
- **3. THAT** Burnaby Waterworks Regulation Bylaw be amended to reflect current staff positions and terminology.

SUMMARY

This is the annual waterworks utility report that reviews revenues and expenditures of the utility and proposed water rates for 2008.

This report proposes a general rate increase of 11.00% for flat and metered water rates. The general rate increase is required to offset the increase in the cost of water, to pay for Burnaby's share of the water quality upgrades being constructed by the Greater Vancouver Water District (GVWD) and for the replacement of aging infrastructure. The proposed rate adjustments will ensure that the water utility continues to be financially self sustaining.

Utility charges are collected separately from property taxes and will be due 2008 March 17. To promote payment by the due date, Burnaby offers a 5% discounted rate for payment on or before 2008 March 17.

The Director Engineering concurs with the recommendation in this report.

To: City Manager From: Director Finance

Re: Waterworks Utility Rates for 2008

REPORT

1. INTRODUCTION

Residential users are charged a flat annual rate for water. The 2008 proposed rate for a single family home is \$324.33 if paid by the due date. This charge is levied separately from property taxes and is due mid March of each year. Staff reviews water rates annually to reflect changes in revenue and expenditures and to ensure the waterworks utility continues to be financially self supporting.

2. PROJECTED EXPENDITURES AND REVENUES

Schedule A *attached* provides the estimates of expenditures and revenues for 2008 with the proposed rate increase outlined below.

EXPENDITURES

The projected cost increase in 2008 is approximately 16.4% reflecting an increase in the supply cost of water from the GVWD and replacement of aging infrastructure.

The GVWD supplies water to Burnaby and other communities in the region. Burnaby pays for this water on the basis of volume (cubic metres) used. Currently, the GVWD supplies water to Burnaby at a blended rate of 34.45 cents per cubic metre (or 37.94 cents during the peak period of June to September, and 32.71 cents for the remaining months in 2007). The projected blended rate increase for 2008 is 9.35%, from 34.45 to 37.67 cents per cubic metre. The increased costs will provide for the GVWD's Drinking Water Quality Improvement Plan which includes continued construction of a new filtration plant for the Capilano and Seymour Water sources.

In addition to the 2008 increase, it is estimated that the total cost of water to Burnaby will increase by about 40% over the next four years. The long term increases are necessary to finance the phased construction and operational costs of the new treatment facilities. Schedule B attached summarizes the projected increase in the cost of water to Burnaby. The GVWD's proposed rate per cubic metre is subject to review by the GVWD Board. The review may result in a change in the total cost of water to Burnaby from the current projection.

The City has committed to the goal of replacing all the asbestos cement watermains in the City which are at the end of their useful life. Through the annual replacement program, the City has made significant progress in replacing these aging pipes. Currently there are approximately 170 km of asbestos cement pipes remaining in the system and the present replacement rate is approximately 8 km to 10 km per year which will take another 17 to 20 years to complete the asbestos cement pipe replacement program. In addition to construction cost escalation and replacement of asbestos cement pipes, the City will need to make provisions for the replacement of aging pumping stations to meet current and future growth related demands within the next 10 years. The replacement of this infrastructure is costly and contributes to the overall water rate increase.

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Re: Waterworks Utility Rates for 2008

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REVENUE

It has been Council's objective that the waterworks utility be financially self sustaining. This is accomplished on a user pay basis. Water rates are reviewed annually and rate increases are, where necessary, recommended to Council.

Water charges have increased since 1997 at the following rate:

2008	11.00%	Proposed
2007	9.25%	
2006	9.25%	
2005	9.25%	
2004	6.00%	
2003	6.00%	
2002	5.50%	
2001	5.00%	
2000	3.50%	
1999	7.00%	
1998	9.50%	
1997	11.00%	

This report proposes an 11.00% increase to flat and metered water rates. The proposed rates will increase the utility bill for a single family home by \$32.14 from \$292.19 to \$324.33 if payment is made by the due date. Schedule C *attached* shows current and proposed 2008 rates for Burnaby.

3. INCENTIVE FOR ON TIME PAYMENT OF FLAT AND METERED RATES

In 1994, Burnaby commenced collecting utility charges separately from property taxes. Collection of utility charges in March provides investment income that serves to decrease the amount of taxes levied. Burnaby offers a 5% discounted rate for payment on or before the due date. On a single family home the flat water rate for people who pay on or before 2008 March 17 would be \$324.33. The rate of payment after 2008 March 17 would be \$341.40.

Burnaby offers metered water users a discounted rate on payments made within 30 days of the billing date on the metered water bill. The discounted rate for metered users is also 5% less than the non-discounted rate.

4. AMENDMENTS TO WATERWORKS REGULATION BYLAW 3325

Sections 17 and 18 of the Burnaby Waterworks Regulation Bylaw needs to be amended to provide for greater flexibility for the Collector to determine whether the estimation of consumption should be based on the previous six months prior to a meter failure or stoppage, or based on the same time period in the previous year. Changes are also necessary to include seasonal variations or changes in occupancy or other factors for properties that do not always have consistent consumption year round.

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It is recommended that sections 17 and 18 be amended to read the same or similar to the following:

- 17. Every consumer having a metered service shall pay for the full amount of water as registered by the meter at the rate set out in Schedule 'A', and no reduction shall be allowed on account of any waste of water, unless it be shown to the satisfaction of the Engineer that such waste arose from an accident to the pipes or fittings on the land of the consumer and that such accident was beyond the control of said consumer and unless it be further shown that said consumer used all reasonable diligence to stop such waste. If the Engineer decides that a reduction should be made, the Collector shall estimate the consumption and render a bill based on the average previous consumption adjusted to take into account seasonal variations, changes in occupancy, or other factors, which, in the opinion of the Collector, may affect the consumption of water. The average shall be paid at the rate shown in Schedule 'A' and to which shall be added, the cost to the City of the quantity registered by the meter in excess of that average.
- 18. If any meter stops or fails to indicate correctly, the quantity of water passing through it, the City shall be entitled to charge for such water according to the average consumption for the six months preceding the date upon which such meter was last found to be in order, or be entitled to charge for such water based on same time period in the previous year.

In addition to changes in sections 17 and 18, it is also recommended that housekeeping amendments be made to have conformity of language within the bylaws. It is recommended that "Treasurer" be changed to "Collector" and "District of Burnaby" be changed to "City of Burnaby", and other minor language changes be made.

5. PUBLIC NOTICE

Once approved by Council, a general notice informing users of the rate increase will be placed in a local newspaper and *InfoBurnaby*. Metered users will be notified by letter.

Rick Earle

DIRECTOR FINANCE

RAE: rt Attach.

cc: Director Engineering City Solicitor SCHEDULE A

	2006 Actual	2007 Forecast	2007 Annuaí	2008 Projected	2009 Projected	2010 Projected	2011 Projected	2012 Projected	2013 Projected	2014 Projected	2015 Projected	2016 Projected	2017 Projected
EXPENDITURE													
Cost of water	12,127,652	13,027,185	14,943,720	16,064,500	19,297,200	20,519,600	21,369,300	22,489,900	23,886,200		26,316,500	27,504,200	28.904.300
Transmission, distribution & pumping	4,022,982	3,923,420	4,443,490	4,717,345	4,966,890	5,229,640	5,506,290	5,797,570	6.104,260	6,427,170	6,767,170	7,125,150	7,502,070
Long term debt (paid down 1999)	0	0	0	0	0	0	0	0	0		0	0	0
Contribution to capital	9,290,000	9,500,000	9.500,000	12,568,000	13,068,000	14,374,800	15.812.280	17,393,508	19,132,859	21 046 145	23 150 759	25 465 835	28 012 419
Cont. to Equipment Replacement Reserve (Equip. Charge-Out)	arge-Out)												
Discount	1,123,539	1,300,000	1,300,000	1,366,130	1,516,400	1,683,210	1,868,360	2,073,880	2,302,010	•	2,836,300	3,148,300	3,494,610
Contingency		970,076	450,000	970,076	750,000	800,000	850,000	910,000	980,000	1,050,000	1,120,000	1,200,000	1,290,000
Surplus generated	1,569,809	2,391,988		0	0	0	0	0	0		2,445,831	5,080,345	7,965,301
TOTAL	28,133,982	31,112,663	30,637,210	35,686,045	39,598,490	42,607,250	45,406,230	48,664,858	52,405,329	56,431,810	62,636,560	69,523,830	77,168,700
		PROPERTY AND PROPE		50000000000000000000000000000000000000	Works and the Control of the Control				WOODS CONTRACTOR OF THE PERSONS				

GROSS REVENUES/TRANSFERS

Fee increase - flat rates
Fee increase - metered rates
Flat rates
Metered rates
Connection fees
Construction - Metered Charges
Construction - Flat Rate Charges
Construction - Flat Rate Charges
Draw on previous year's surplus

29,337,210 35,686,045 39,598,490 42,607,250 45,406,230 48,664,858 52,405,329 12,000 5,503,665 8,851,988 12,000 13,000 10,473,525 3,844,530 64,651 34,675 28,133,982 31,112,663 3,844,530 13,385,583 82,075 42,800 68,120 3,121,580 13,868,055 9.25%

11.00% 9.25% 9.25%

Rate increase Operating surplus

3,503,188 11.00%

-4,409,212 11.00% -1,122,152 11.00%

-6,358,040 11.00%

-5,537,963 11.00% -6,941,429 11.00%

-1,972,133 11.00%

4,308,212 11.00%

13,563,514 11.00%

12,000

12,000

12,000 13,000

12,000

12,000

12,000 13,000

12,000

12,000 13,000

12,000

77,168,700

69,523,830

62,636,560

56,431,810

1,563,389

2,858,828

4,137,060

5,425,340

6,098,800

15,752,932 17,568,807 16,053,440 19,501,380 21,646,530 24,027,650 26,670,690 29,604,470 32,880,980 36,475,670 40,487,990 44,941,670 49,885,250 9,066,475 9,600,000 9,414,240 10,656,000 11,828,160 13,129,260 14,573,480 16,176,560 17,955,980 19,931,140 22,123,570 24,557,160 27,258,450

Finance Department 15-Nov-07 File: 39500 01

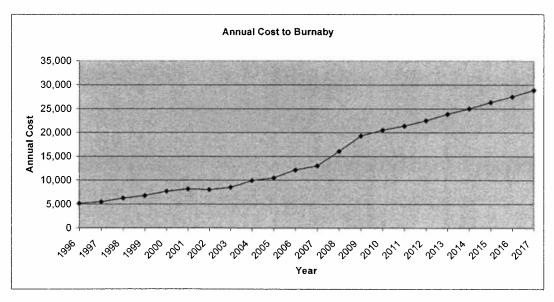
COST OF WATER SUPPLIED TO BURNABY BY THE G.V.R.D.

SCHEDULE B

			le Per Cub	ic Meter			Total vol	ume (2)		Annual Cos	it	Increase in of water to	
Year	Cost	/M³		ease from	previous yea	r	purchase	d 000 M ³	-	to Burnaby	′	from previo	ous year
	Off-Peak	Peak	\$ Off-Peak	Peak	Off-Peak	Peak	Off-Peak	Peak	-	000 \$	-	000 \$	%
									-		_		
1996	0.1262		0.0113	N/A	9.8		40,805			5,150		462	9.9
1997	0.1394		0.0269	N/A	21.3		39,108			5,452		302	5.9
1998	0.1513		0.0119	N/A	8,5		41,362			6,258		806	14.8
1999	0.1644		0.0131	N/A	8.7		41,104			6,757		499	8.0
2000	0.1778		0.0134	N/A	8.2		43,148		(3)	7,672	(3)	914	13.5
2001	0.1881		0.0103	N/A	5.8		43,366		(3)	8,157	(3)	485	6.3
2002	0.1893		0.0012	N/A	0.6		42,415		(3)	8,029	(3)	-128	-1.6
2003	0.1968		0.0075	N/A	4.0		43,320			8,526		497	6.2
2004	0.2234		0.0266	N/A	13.5		44,320			9,901		1,375	16.1
2005	0.2502		0.0268	N/A	12.0		41,875			10,477		576	5.8
2006	0.2818	0.3044	0.0316	N/A	12.6		24,050	17,574		12,127	1	1,650	15.7
2007	0.3271	0.3794	0.0453	0.0750	16.1	24.6	21,406	15,881		13,027		900	7.4
2008	0.3477	0.4347 (1)	0.0206	0.0553	6.3	14.6	25,570	16,503		16,065		3,037	23.3
2009	0.4026	0.5032 (1)	0.0549	0.0685	15.8	15.8	26,530	17,123		19,297		3,233	20.1
2010	0.4248	0.5309 (1)	0.0222	0.0277	5.5	5.5	26,737	17,257		20,520		1,222	6.3
2011	0.4418	0.5522 (1)	0.0170	0.0213	4.0	4.0	26,772	17,279		21,369		850	4.1
2012	0.4538	0.5672 (1)	0.0120	0.0150	2.7	2.7	27,431	17,704		22,490		1,121	5.2
2013	0.4731	0.5914 (1)	0.0193	0.0242	4,3	4.3	27,944	18,035		23,886		1,396	6.2
2014	0.4850	0.6063 (1)	0.0119	0.0149	2.5	2.5	28,529	18,412		25,000		1,114	4.7
2015	0.5003	0.6254 (1)	0.0153	0.0191	3.2	3.2	29,113	18,790		26,316		1,317	5.3
2016	0.5111	0.6389 (1)	0.0108	0.0135	2.2	2.2	29,784	19,223		27,504		1,188	4.5
2017	0.5290	0.6613 (1)	0.0179	0.0224	3.5	3.5	30,241	19,518		28,904		1,400	5.1
Increase 19	96 - 2006		0.1806	N/A	145.3	N/A						7,439	158.7
Projected in	crease 2007 - 20	017	0.2472	0.3569	87.7	117.2						16,778	138.4

NOTES: (1) 2008-2016 unit costs are based on GVRD's 2007 Financial Information long range projection, 2017 unit cost is based on average increase fi (2) Total volume of water purchased by Burnaby from the Greater Vancouver Water District. 1991 to 2006 are actual volumes, 2007 based on Forecasted Actual, and 2008 to 2017 are projections based on information provided by GVRD.

(3) 2000, 2001 and 2002 volume and annual costs have been adjusted for errors in meter readings from October 2000 to September 2001.



Finance Department 2007/11/15 File: 39500 01 WATER RATES SCHEDULE C

					PROP	OSED
	2006	2006	2007	2007	2008	2008
	Paid by	Paid after	Paid by	Paid after	Paid by	Paid after
	Mar. 15	Mar. 15	<u>Mar. 15</u>	Mar. 15	Mar. 17	Mar. 17
EL AT DATES	\$	\$	\$	\$	\$	\$
FLAT RATES						Ī
Detached single family	267.45	281.53	292,19	307.57	324.33	341.40
Single family within duplex	200.55	211.11	219.11	230.64	243.21	256.01
Single family within multiple	153.58	161.66	167.78	176.61	186.24	196.04
Commercial not more than 3 stores/offices						
Commercial and living quarters, 1 family	534.91	563.06	584.38	615.14	648.67	682.81
Commercial and no living quarters	267.45	281.53	292.19	307.57	324.33	341,40
CROSS CONNECTION CONTROLS **						
Per Device	28.01	29.48	28.57	30.07	29.14	30.67
Minimum Per Unit	3.50	3.68	3.56	3.75	₹ 3.64	3.83
			5.55	00	0.01	0.00
METERED RATES		Non		5 1		
Monthly		Non- Discount		Non- Discount		Non-
Monuny		DISCOURT		Discount		Discount
First 300 cubic metres	0.709	0.746	0.774	0.815	0.860	0.905
Next 550 cubic metres	0.709	0.746	0.774	0.815	0.860	0.905
Next 1,400 cubic metres	0.709	0.746	0.774	0.815	0.860	0.905
Over 12,000 cubic metres	0.709	0.746	0.774	0.815	0.860	0.905
Minimum monthly	22.29	23.46	24.35	25.63	27.03	28.45
Quarterly						
First 900 cubic metres	0.709	0.746	0.774	0.815	0.860	0.905
Next 1,650 cubic metres	0.709	0.746	0.774	0.815	0.860	0.905
Next 4,200 cubic metres	0.709	0.746	0.774	0.815	0.860	0.905
Over 36,000 cubic metres	0.709	0.746	0.774	0.815	0.860	0.905
Minimum quarterly	66.86	70.38	73.05	76.89	81.08	85.35
SPECIAL METER READING	\$25.00	per request	\$3E 00 no	er request	\$35.00 ma	
OF EGIAL MILTER READING	φ25,00	per request	\$25.00 pe	rrequest	\$25.00 pe	request
CONSTRUCTION WATER						
3/4" connection	\$1 000 p	er six months	\$1,000 per	siy monthe	\$1,000 per	siv months
1" connection		er six months	\$1,650 per		\$1,650 per	1
2" connection					1 ' '	1
2 Connection	\$2,500 p	er six months	\$2,500 per	six months	\$2,500 per	six months
CONNECTION FEE						
Connection fee 19mm and less						
Connection fee 19mm and fess						
General Rate increase	9.25%	9.25%	9.25%	9.25%	11.00%	11.00%
One of Commention Co. 1 17 1						
Cross Connection Control Rate increase **	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%

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