



2001 Municipal Water Pricing (MUP) Summary Tables

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See www.ec.gc.ca/water/MWWS (Publications) for the 2001 water use report.

These tables are updates to those in the 1991-1999 Municipal Water Pricing Report, found at http://www.ec.gc.ca/water/en/info/pubs/sss/e_price99.htm

METHODOLOGY

For 2001, the Municipal Water Use and Pricing Survey underwent certain changes from previous iterations. For one thing, where past surveys restricted themselves to communities having 1000 or more residents, the 2001 survey included a representative sample of 660 communities with fewer than 1000 residents each. In addition, the scope of the survey was enlarged to meet the demand of water managers at all levels of government for more detailed information about municipal water use. Finally, for the first time ever, the survey went on-line with full data collection and limited search capability.

Response rates to the pricing portion of the 2001 survey varied considerably, depending on the question. Overall, response rates were relatively low. This may have been due to the length of the survey, its unfamiliar electronic format, the effect of municipal amalgamations, competition from more local or more specific surveys or data reporting requirements, and/or other factors. The survey responses were supplemented with call-backs to large municipalities and Internet searches for readily available information.

Information from all these sources was compiled in the 2001 Municipal Water Use and Pricing Database. Returns from the 660 rural communities with fewer than 1000 residents were excluded from the database to avoid skewing the results, and because it was not possible to impute values for non-responding municipalities in this group – a group not included in previous surveys.

The pricing portion of the 2001 survey collected information from municipalities with over 1000 residents, covering a total of 17.5 million residents (Table 18). Using the previous survey database (1999 year) to impute for non-response where possible, the total population covered was raised to 22.0 million residents in municipalities across the full size spectrum (76% of the surveyed population). This is still a smaller population than was covered in the water use portion of the survey (see *Municipal Water Use, 2001 Statistics*). Most of the remaining non-responding population resulted from the many amalgamations and regionalised water authorities in Quebec (3.2 million) and Ontario (2.1 million).

Table 1 - 2001
Average Daily Water Use, Water Metering, by Province and by Population Size Group

Province / Territory	Average Daily Total Flow (Litres per Capita)	Average Daily Residential Flow (Litres per Capita)	Percentage of Residential Clients That are Metered	Percentage of Business Clients That are Metered
Newfoundland	971	664	0.0	47.4
P.E.I.	529	218	13.4	100.0
Nova Scotia	667	351	89.1	99.4
New Brunswick	1,314	416	49.6	89.5
Quebec	777	395	16.2	32.8
Ontario	533	285	89.9	98.4
Manitoba	410	223	96.6	98.6
Saskatchewan	517	236	98.5	99.6
Alberta	519	282	82.3	98.9
British Columbia	651	425	26.5	93.9
Yukon	803	556	52.8	100.0
North Territories	424	204	97.3	n / a
Nunavut	105	88	76.7	20.0
Population Size Group (000's)				
below 2	715	446	42.4	53.2
2 to 5	732	466	35.4	55.5
5 to 50	665	397	47.5	75.0
50 to 500	596	326	61.7	91.3
500+	614	300	69.0	81.8
Total	622	335	60.6	83.1
Responding Population	23,822,869	23,822,869	24,235,565	16,075,854

Table derived from 2001 Municipal Water Use Database (for responding municipalities), Sustainable Water Use Branch, Environment Canada.

THIS TABLE IS COPIED FROM THE WATER USE REPORT STUDY

Table 2 - 2001**Residential Population Served Water by Rate Type, by Province and by Population Size Group**

Province/ Territory	Flat		Volume-based Rate Types							Total		Rates	Vol.
	Rate	%	CUC	%	DBR	%	IBR	%	Complex	%	Vol.-based	Total	%
NF	310,541	98.2	4,637	1.5	982	0.3		0.0		0.0	5,619	316,160	1.8
PE	42,611	87.8	5,916	12.2		0.0		0.0		0.0	5,916	48,527	12.2
NS	48,121	25.2	18,121	9.5	122,733	64.4	1,650	0.9		0.0	142,504	190,624	74.8
NB	170,709	50.4	144,821	42.7	23,057	6.8		0.0	335	0.1	168,213	338,923	49.6
QU	1,763,761	77.5	488,056	21.5	2,379	0.1	20,481	0.9		0.0	510,916	2,274,677	22.5
ON	1,073,426	12.6	3,877,208	45.6	104,074	1.2	3,315,234	39.0	131,346	1.5	7,427,862	8,501,288	87.4
MA	9,902	1.3	48,144	6.2	716,252	92.5		0.0		0.0	764,395	774,298	98.7
SK	9,663	1.5	291,083	46.4	316,595	50.4	10,271	1.6		0.0	617,949	627,612	98.5
AB	51,991	2.6	1,812,898	89.2	72,718	3.6	93,654	4.6		0.0	1,979,270	2,031,261	97.4
BC	2,385,833	73.7	680,982	21.0	18,711	0.6	149,942	4.6		0.0	849,635	3,235,468	26.3
YK	9,805	52.9	8,742	47.1		0.0		0.0		0.0	8,742	18,547	47.1
NT	479	1.9	25,326	98.1		0.0		0.0		0.0	25,326	25,805	98.1
NV		0.0	16,030	100.0		0.0		0.0		0.0	16,030	16,030	100.0
Population Size Group (000's)													
below 2	172,118	55.4	100,491	32.3	31,354	10.1	6,931	2.2		0.0	138,775	310,893	44.6
2 to 5	457,790	62.6	178,135	24.3	75,066	10.3	20,266	2.8	334.56	0.0	273,802	731,592	37.4
5 to 50	1,828,151	50.3	1,139,036	31.4	368,048	10.1	235,749	6.5	61253.833	1.7	1,804,086	3,632,237	49.7
50 to 500	2,221,282	34.5	3,015,098	46.8	289,684	4.5	846,790	13.1	70,092	1.1	4,221,665	6,442,947	65.5
500+	1,197,503	16.4	2,989,205	41.1	613,349	8.4	2481494	34.1		0.0	6,084,048	7,281,551	83.6
Total	5,876,844	31.9	7,421,966	40.3	1,377,500	7.5	3,591,230	19.5	131,680	0.7	12,522,376	18,399,220	68.1

Table derived from 2001 Municipal Water Pricing Database (for responding municipalities with rate types), Sustainable Water Use Branch, Environment Canada.

Table 3 - 2001**Residential Population with Minimum Volume in Volume-based Rate, by Province and by Population Size Group**

Province / Territory	Population Served with Minimum Bill				Average Minimum Volume*	Total with Minimum Volume	Total Pop. Served Water	% with Minimum Volume	% with Minimum Vol. > 10
	Cubic Meters per Month in Minimum Volume								
	no vol.	< 4	4 to 10	> 10					
Newfoundland	5,619					0	266,540	0.0	0.0
P.E.I.	5,916					0	48,527	0.0	0.0
Nova Scotia	140,227			2,276	22.7	2,276	182,652	1.2	1.2
New Brunswick	141,096	2,918		8,747	17.7	11,665	338,485	3.4	2.6
Quebec	44,823		4,211	443,378	17.0	447,588	2,240,533	20.0	19.8
Ontario	5,521,773		137,151	307,665	14.2	444,816	8,501,288	5.2	3.6
Manitoba	613,727		135,839	14,830	9.0	150,669	774,298	19.5	1.9
Saskatchewan	260,027		52,700	79,818	10.8	132,518	626,949	21.1	12.7
Alberta	1,765,155	14,179	76,327	103,587	12.9	194,093	2,031,261	9.6	5.1
British Columbia	580,833		10,929	138,601	21.8	149,530	3,194,455	4.7	4.3
Yukon				8,742	38.4	8,742	18,547	47.1	47.1
North Territories	14,887		3159	1,093	11.4	4,252	25,805	16.5	4.2
Nunavut	1,899					0	14,882	0.0	0.0
Population Size Group (000's)									
below 2	33,079	1,320	36,468	51,017	41.8	88,805	282,742	31.4	18.0
2 to 5	99,949		57,131	103,441	9.5	160,571	697,204	23.0	14.8
5 to 50	971,738	15,777	197,189	341,690	7.5	554,656	3,559,780	15.6	9.6
50 to 500	2,560,838		129,528	265,381	4.7	394,909	6,442,947	6.1	4.1
500+	5,430,379			347,207	2.1	347,207	7,281,551	4.8	4.8
Total	9,095,983	17,097	420,315	1,108,736	15.0	1,546,148	18,264,224	8.5	6.1

Table derived from 2001 Municipal Water Pricing Database (for responding municipalities with rate charges), Sustainable Water Use Branch, Environment Canada.

* Average only for those with minimum volumes.

Table 4 - 2001**Residential Population Served with Flat Rates By Price Level, by Province and by Population Size Group**

Province / Territory	Population Served by Flat Rates by Price Level (\$2001/month)*				Flat Rate Mean**	Variation from Nat. Mean
	<7.6	7.6-15.2	15.2-23.3	>23.3		
Newfoundland		35,427	197,132	77,982	21.40	21.40
P.E.I.		1,385	15,169	26,057	27.06	27.06
Nova Scotia		18,116	28,007	1,997	22.42	22.42
New Brunswick	264	20,791	16,361	133,293	23.40	23.40
Quebec	84,020	413,376	687,938	238,851	19.99	19.99
Ontario		562,252	59,367	243,406	36.36	36.36
Manitoba	65	1,059	1,309	7,469	19.88	19.88
Saskatchewan		1,011	1,883	6,769	31.76	31.76
Alberta	6	4,859	2,865	44,261	28.27	28.27
British Columbia	1,120	152,060	789,686	1,442,968	25.12	25.12
Yukon				9,805	55.38	55.38
North Territories				479	96.20	96.20
Nunavut						
Population Size Group (000's)						
below 2	4,970	33,431	68,205	65,512	23.40	23.40
2 to 5	15,593	107,940	119,781	214,477	24.93	24.93
5 to 50	64,913	472,892	510,273	780,073	26.54	26.54
50 to 500		289,610	210,418	1,173,277	26.00	26.00
500+		306,463	891,041		17.67	17.67
Total	85,475	1,210,336	1,799,717	2,233,338	25.07	

Table derived from 2001 Municipal Water Pricing Database (for responding municipalities with rate charges), Sustainable Water Use Branch, Environment Canada.

* Price levels have been adjusted for inflation to be roughly equivalent to those in *Municipal Water Pricing 1991-1999* report, using CPI at http://www.bank-banque-canada.ca/en/inflation_calc.htm

** Mean price for flat rates only, no assessed included.

Table 5 - 2001

Residential Unit Prices (\$/cubic metre) for Volume-based Rate Schedules, by Province and by Population Size Group

Province / Territory	Constant Unit Charges				First Block Prices				Last Block Prices			
	Mean	Median	10th Percentile	90th Percentile	Mean	Median	10th Percentile	90th Percentile	Mean	Median	10th Percentile	90th Percentile
Newfoundland P.E.I.	0.16	0.16	**	**	0.30	0.30	**	**	0.10	0.10	**	**
Nova Scotia	0.48	0.47	**	**	***	***	***	***	***	***	***	***
New Brunswick	0.70	0.59	0.41	0.97	0.45	0.40	0.28	0.62	0.24	0.20	0.08	0.57
Quebec	1.13	1.18	0.93	1.53	3.39	4.58	0.97	4.58	0.27	0.15	0.15	0.59
Ontario	0.71	0.78	0.35	0.78	0.45	0.51	0.19	0.51	0.57	0.66	0.18	0.66
Manitoba	1.17	1.17	0.82	1.49	1.16	1.18	0.90	1.47	1.22	1.22	0.90	1.58
Saskatchewan	1.21	1.12	0.66	1.81	1.85	1.94	1.38	1.94	1.19	1.26	0.76	1.26
Alberta	1.35	1.42	0.99	1.61	1.12	1.12	0.69	1.44	0.82	0.85	0.32	1.27
British Columbia	1.41	1.48	0.88	1.71	0.88	0.77	0.39	1.45	0.94	0.92	0.64	1.32
Yukon	0.58	0.44	0.29	0.91	0.23	0.15	0.15	0.47	0.56	0.70	0.24	0.83
North Territories	1.10	1.12	**	**	***	***	***	***	***	***	***	***
Nunavut	2.61	2.62	2.00	3.30	***	***	***	***	***	***	***	***
Nunavut	4.21	3.86	2.70	8.00	***	***	***	***	***	***	***	***
Population Size Group (000's)												
< 2	1.28	0.95	0.38	2.70	0.94	0.98	0.36	1.65	0.68	0.65	0.18	1.15
2 to 5	1.06	0.98	0.26	1.81	0.90	0.88	0.31	1.31	0.66	0.47	0.18	1.32
5 to 50	1.07	1.08	0.34	1.74	0.94	0.82	0.36	1.44	0.79	0.76	0.32	1.27
50 to 500	1.05	1.13	0.44	1.42	1.07	1.12	0.28	1.47	1.13	0.90	0.31	1.58
500+	1.31	1.48	0.78	1.71	1.33	1.18	**	**	1.23	1.22	**	**
Total	1.16	1.17	0.54	1.71	1.20	1.18	0.68	1.94	1.13	1.22	0.61	1.32

Table derived from 2001 Municipal Water Pricing Database (for responding municipalities with rate charges), Sustainable Water Use Branch, Environment Canada.

** not enough rate structures to determine value

*** no rate structures apply

Table 6 - 2001**Total Residential Volume-based Water Prices (\$/month) for Selected Volumes of Service, by Province and by Population Size Group**

Province / Territory	10 cubic meters per month				25 cubic meters per month				35 cubic meters per month			
	Mean	Median	10th Percentile	90th Percentile	Mean	Median	10th Percentile	90th Percentile	Mean	Median	10th Percentile	90th Percentile
Newfoundland P.E.I.	18.57	19.65	**	**	21.39	22.12	**	**	23.27	23.77	**	**
Nova Scotia	18.82	18.33	9.44	35.21	25.91	24.31	14.40	42.00	30.74	30.50	18.30	46.61
New Brunswick	30.86	28.06	15.80	32.63	51.83	41.97	38.31	50.37	66.18	55.30	49.29	62.19
Quebec	9.77	6.87	6.87	16.25	16.52	14.69	14.69	20.52	23.34	22.51	20.60	28.62
Ontario	18.86	19.70	10.03	21.28	36.22	38.63	23.03	42.16	48.14	50.80	29.62	57.36
Manitoba	22.13	23.40	16.31	23.40	49.13	52.45	37.01	52.45	67.13	71.81	50.81	71.81
Saskatchewan	18.51	17.20	14.20	26.39	35.91	35.50	28.61	45.91	47.30	49.70	36.05	58.17
Alberta	26.72	25.50	21.63	35.25	47.16	47.33	35.81	53.20	60.97	64.47	45.17	67.97
British Columbia	15.57	11.41	7.75	31.36	22.59	18.23	13.75	42.05	28.25	25.20	17.75	52.11
Yukon	42.68	43.50	**	**	42.68	43.50	**	**	42.68	43.50	**	**
North Territories	39.01	42.73	33.00	42.73	75.84	82.03	52.00	82.50	100.83	108.20	52.50	115.50
Nunavut	43.30	38.60	27.10	80.00	106.46	96.50	67.75	200.00	148.57	135.10	94.85	280.00
Population Size Group (000's)												
< 2	27.08	24.35	13.20	44.96	42.64	38.58	20.82	69.25	53.95	49.54	27.00	90.55
2 to 5	25.11	23.30	13.50	40.76	38.25	34.87	20.67	57.53	47.97	43.82	25.50	68.20
5 to 50	21.82	19.82	11.41	35.50	36.02	36.04	17.37	53.75	46.13	45.77	21.65	69.46
50 to 500	18.50	17.20	8.18	35.25	34.16	33.44	20.00	52.33	45.01	43.78	28.00	62.46
500+	19.98	20.77	8.18	23.40	39.59	38.63	20.46	52.45	52.92	50.80	28.64	71.81
Total	19.94	20.77	8.66	31.03	37.25	38.63	20.46	52.45	49.18	50.80	28.62	67.97

Table derived from 2001 Municipal Water Pricing Database (for volume-based rates from responding municipalities), Sustainable Water Use Branch, Environment Canada.

** not enough rate structures to determine value

*** no applicable rate structures

Table 7 - 1991, 1994, 1996, 1999 and 2001

Residential Pricing Trends (\$2001)* for Constant Unit Charge, First Block and Marginal Prices, by Province and by Population Size Group

Province / Territory	Constant Unit Prices					First Block Prices					Mean Marginal Price at 35 m3				
	1991	1994	1996	1999	2001	1991	1994	1996	1999	2001	1991	1994	1996	1999	2001
Newfoundland	0.28	0.17	0.12	***	0.16	0.18	***	***	***	0.30	0.28	0.17	***	***	0.19
P.E.I.	***	***	0.70	0.67	0.48	***	***	***	***	***	***	***	0.70	0.67	0.48
Nova Scotia	0.35	0.83	***	0.52	0.70	0.47	0.49	0.63	0.68	0.45	0.48	0.44	0.63	0.68	0.48
New Brunswick	1.01	0.66	0.96	1.16	1.13	0.97	0.99	0.95	0.72	3.39	0.96	0.95	1.02	0.95	1.42
Quebec	0.43	0.51	0.49	0.48	0.71	0.34	0.38	0.38	0.39	0.45	0.43	0.51	0.50	0.48	0.72
Ontario	0.94	1.05	1.03	1.03	1.17	0.82	0.97	1.06	1.02	1.16	0.90	1.03	1.02	1.04	1.19
Manitoba	1.04	1.04	1.11	1.04	1.21	1.16	1.46	1.69	1.89	1.85	1.15	1.44	1.66	1.84	1.81
Saskatchewan	1.24	1.38	1.35	1.30	1.35	1.00	1.00	1.22	1.20	1.12	1.06	1.08	1.17	1.15	1.16
Alberta	1.04	1.23	1.22	1.24	1.41	1.49	1.59	1.45	1.44	0.88	1.25	1.40	1.38	1.36	1.38
British Columbia	0.25	0.42	0.50	0.51	0.58	0.41	0.43	0.39	1.08	0.23	0.37	0.43	0.52	0.66	0.56
Yukon	***	1.13	0.94	1.15	1.10	***	***	***	***	***	***	***	0.84	0.81	0.00
NWT****	2.34	3.26	3.39	3.32	2.61	***	***	***	***	***	2.34	3.26	3.39	3.32	2.61
Nunavut					4.21					***					4.21
Population Size Group (000's)															
1 to 2	0.86	1.29	1.32	1.42	1.28	1.02	0.99	1.01	1.08	0.94	0.91	1.18	1.22	1.29	1.12
2 to 5	0.88	0.96	1.05	1.05	1.06	0.86	0.89	0.88	0.93	0.90	0.88	0.95	0.99	1.03	1.01
5 to 50	0.76	0.84	0.88	0.96	1.07	0.87	0.96	1.03	0.98	0.94	0.82	0.90	0.94	0.99	1.04
50 to 500	0.87	1.05	1.03	0.98	1.05	0.74	0.81	0.85	0.93	1.07	0.84	0.99	0.97	0.97	1.08
500+	1.05	1.00	1.02	1.04	1.31	1.22	1.67	1.73	1.82	1.33	1.12	1.23	1.29	1.29	1.33
Total	0.87	1.01	1.00	1.00	1.16	0.95	1.09	1.12	1.17	1.20	0.90	1.04	1.05	1.08	1.20

Table derived from 1991, 94, 96, 99 and 2001 Municipal Water Pricing Databases (for responding municipalities with rate charges), Sustainable Water Use Branch, Environment Canada.

* Adjusted for inflation using CPI at http://www.bank-banque-canada.ca/en/inflation_calc.htm

*** no rate structures apply

**** Includes Nunavut prior to 2001 survey

Table 8 - 2001**Total Residential Water Prices (\$/month) for Selected Volumes of Service, by Province and by Population Size Group**

Province / Territory	10 cubic meters per month				25 cubic meters per month				35 cubic meters per month			
	Mean	Median	10th Percentile	90th Percentile	Mean	Median	10th Percentile	90th Percentile	Mean	Median	10th Percentile	90th Percentile
Newfoundland P.E.I.	19.24	15.83	14.58	26.00	19.29	15.83	14.58	26.00	19.32	15.83	14.58	26.00
Nova Scotia	24.95	27.58	19.49	27.58	25.83	27.58	19.49	29.07	26.42	27.58	19.49	33.79
New Brunswick	18.43	17.77	9.44	31.57	23.73	21.15	13.75	36.89	27.34	24.43	16.24	46.50
Quebec	30.60	32.63	15.80	42.00	41.02	39.49	22.50	50.37	48.14	42.00	22.50	62.19
Ontario	16.06	16.17	6.87	25.58	17.84	16.17	10.42	25.75	19.65	20.83	10.42	27.08
Manitoba	18.97	19.27	10.03	23.74	34.52	38.63	20.46	42.16	45.19	50.80	28.64	56.81
Saskatchewan	22.20	23.40	16.31	23.40	48.86	52.45	37.01	52.45	66.62	71.81	49.39	71.81
Alberta	18.70	17.20	14.20	28.00	35.83	35.50	28.61	45.91	47.05	49.70	35.79	58.17
British Columbia	26.80	25.68	21.63	35.25	46.71	47.33	35.70	53.20	60.16	64.47	44.64	67.97
Yukon	24.77	22.42	9.49	38.40	26.62	25.57	14.25	38.40	28.11	26.83	17.75	38.40
North Territories	45.67	43.50	43.50	43.50	45.67	43.50	43.50	43.50	45.67	43.50	43.50	43.50
Nunavut	39.83	42.73	33.00	42.73	75.98	82.03	52.00	82.50	100.50	108.20	52.50	115.50
	43.30	38.60	27.10	80.00	106.46	96.50	67.75	200.00	148.57	135.10	94.85	280.00
Population Size Group (000's)												
< 2	24.64	22.32	12.60	40.50	31.58	25.49	14.00	53.30	36.63	27.54	14.00	64.96
2 to 5	24.11	22.50	11.57	40.00	29.03	25.90	12.50	48.16	32.67	27.73	12.50	57.39
5 to 50	22.27	19.58	11.25	36.48	29.31	27.34	12.63	47.75	34.33	30.33	13.00	59.78
50 to 500	21.32	18.75	9.30	37.03	32.54	33.00	15.83	45.03	40.31	41.54	18.01	57.36
500+	19.74	20.77	11.64	23.40	36.13	38.63	16.17	52.45	47.26	50.80	21.75	67.97
Total	21.04	20.77	10.03	33.00	33.18	33.75	14.69	52.45	41.55	43.32	16.25	64.47

Table derived from 2001 Municipal Water Pricing Database (for responding municipalities with rate charges), Sustainable Water Use Branch, Environment Canada.

Table 9 - 1991, 1994, 1996, 1999 and 2001

Means of Total Residential Water Prices (\$2001/month)* for Selected Volumes of Service, by Province and by Population Size Group

Province / Territory	10 cubic meters per month					25 cubic meters per month					35 cubic meters per month				
	1991	1994	1996	1999	2001	1991	1994	1996	1999	2001	1991	1994	1996	1999	2001
Newfoundland	16.35	17.52	18.54	19.42	19.24	16.51	17.53	18.54	19.42	19.29	16.61	17.53	18.54	19.42	19.32
P.E.I.	21.35	21.54	25.21	25.45	24.95	21.35	21.54	25.90	25.55	25.83	21.35	21.54	26.44	25.62	26.42
Nova Scotia	19.63	19.39	19.64	23.24	18.43	23.56	23.24	26.72	32.32	23.73	26.18	25.83	31.62	38.40	27.34
New Brunswick	27.46	25.56	28.70	28.67	30.60	30.97	30.25	32.42	34.63	41.02	33.47	33.00	35.25	39.01	48.14
Quebec	14.28	15.13	15.83	16.10	16.06	15.21	16.17	16.84	17.07	17.84	16.10	17.13	17.82	17.99	19.65
Ontario	15.88	18.21	18.30	18.31	18.97	26.46	30.77	31.07	31.10	34.52	33.68	39.25	39.79	39.83	45.19
Manitoba	16.22	19.42	21.25	23.17	22.20	33.32	40.76	45.82	50.52	48.86	44.61	54.86	62.13	68.73	66.62
Saskatchewan	20.47	19.99	20.56	21.56	18.70	34.54	34.31	38.55	39.26	35.83	45.29	45.15	50.36	50.76	47.05
Alberta	22.32	24.93	25.80	25.44	26.80	39.46	45.14	44.76	44.61	46.71	51.25	58.41	58.07	57.77	60.16
British Columbia	13.82	19.22	21.71	25.27	24.77	14.82	20.40	23.27	26.89	26.62	15.69	21.36	24.78	28.46	28.11
Yukon	31.97	42.20	46.97	48.77	45.67	31.97	42.20	46.97	48.77	45.67	31.97	42.20	46.97	48.77	45.67
NWT**	46.35	46.15	45.45	43.98	39.83	72.89	89.71	94.63	91.44	75.98	91.23	119.12	128.05	123.37	100.50
Nunavut					43.30					106.46					148.57
Population Size Group (000's)															
1 to 2	21.03	23.21	24.67	25.01	24.64	25.52	29.15	31.29	32.95	31.58	28.78	33.40	36.01	38.66	36.63
2 to 5	19.68	21.11	21.92	23.30	24.11	23.05	25.20	26.28	27.55	29.03	25.68	28.27	29.58	30.69	32.67
5 to 50	17.73	19.48	20.14	21.08	22.27	22.57	25.23	25.90	27.33	29.31	26.08	29.23	30.09	31.90	34.33
50 to 500	15.28	18.27	18.95	20.17	21.32	23.44	28.02	29.04	29.82	32.54	29.05	34.81	36.10	36.53	40.31
500+	15.21	17.19	18.63	18.69	19.74	28.55	31.45	33.09	33.51	36.13	37.68	40.70	42.79	43.41	47.26
Total	16.34	18.67	19.49	20.29	21.04	24.07	27.82	28.93	29.96	33.18	29.46	34.06	35.51	36.65	41.55

Table derived from final MUP91, 94, 96, 99 and 2001 Municipal Water Pricing Databases (for responding municipalities with rate charges), Sustainable Water Use Branch, Environment Canada.

* Adjusted for inflation using CPI at http://www.bank-banque-canada.ca/en/inflation_calc.htm

** Includes Nunavut prior to 2001 survey

Table 10 - 2001**Marginal Water Prices (\$/cubic meter) for Residential Customers, by Province and by Population Size Group**

Province / Territory	25 cubic meters per month				35 cubic meters per month			
	Mean	Median	%ile 10	%ile 90	Mean	Median	%ile 10	%ile 90
Newfoundland	0.19	0.16	**	**	0.19	0.16	**	**
P.E.I.	0.48	0.47	**	**	0.48	0.47	**	**
Nova Scotia	0.48	0.44	0.29	0.63	0.48	0.44	0.29	0.63
New Brunswick	1.42	1.18	0.93	1.58	1.44	1.18	0.89	1.58
Quebec	0.72	0.78	0.41	0.78	0.72	0.78	0.42	0.78
Ontario	1.19	1.22	0.82	1.52	1.20	1.22	0.82	1.52
Manitoba	1.81	1.94	1.38	1.94	1.80	1.94	1.38	1.94
Saskatchewan	1.16	1.16	0.82	1.44	1.13	1.10	0.82	1.44
Alberta	1.38	1.48	0.88	1.71	1.39	1.48	0.88	1.71
British Columbia	0.56	0.44	0.21	0.83	0.58	0.44	0.21	0.83
Yukon	0.00	0.00	**	**	0.77	0.77	**	**
Northwest Terr.	2.61	2.62	2.00	3.30	2.61	2.62	2.00	3.30
Nunavut	4.21	3.86	2.70	8.00	4.21	3.86	2.70	8.00
Population Size Group (000's)								
< 2	1.12	0.82	0.25	2.43	1.16	0.92	0.38	2.43
2 to 5	1.01	0.91	0.31	1.65	1.02	0.91	0.31	1.65
5 to 50	1.04	1.05	0.41	1.65	1.04	1.01	0.42	1.65
50 to 500	1.08	1.09	0.44	1.52	1.09	1.12	0.44	1.52
500+	1.33	1.22	0.82	1.94	1.33	1.22	0.82	1.94
Total	1.20	1.22	0.70	1.71	1.20	1.22	0.72	1.71

Table derived from 2001 Municipal Water Pricing Database (for responding municipalities with rate charges), Sustainable Water Use Branch, Environment Canada.

** not enough rate structures to determine value

*** no rate structures apply

Due to a marginal rate of 0 resulting from a flat rate structure or high volume in minimum charge, 5,425,758 residents were not included at 25 cubic meters and 5,381,371 residents were not included at 35 cubic meters (not counting assessed).

Table 11 - 2001

Residential Population Served with Sewer Charges, by Province and by Population Size Group

Province / Territory	Population Served with Sewer Charges, by % of Total Water Bill (%>0) or Charged a Flat Sewer Rate					Total pop. with sewer charges	Total pop. with sew. services**	Est. % of served that are charged
	<20 %	20-40 %	>40 %	Avg. %*	Flat only			
Newfoundland					242,793	242,793	296,662	81.8
P.E.I.			6,127	67.0	49,530	55,656	55,656	100.0
Nova Scotia		6,732	3,734	38.2	45,390	55,856	201,775	27.7
New Brunswick	57,994	4,849	102,760	39.7	176,054	341,657	368,955	92.6
Quebec		27,788	347,207	48.4	875,654	1,250,648	1,837,540	68.1
Ontario	2,817,537	220,914	3,807,193	38.0	771,346	7,616,990	8,065,514	94.4
Manitoba	18,000	97,495	644,979	46.3	12,279	772,753	782,936	98.7
Saskatchewan	4,453	56,018	445,213	44.4	96,640	602,324	624,545	96.4
Alberta	61,862	628,577	956,190	44.3	370,950	2,017,579	2,040,098	98.9
British Columbia	86,896	199,150	99,340	31.5	1,810,830	2,196,216	3,054,401	71.9
Yukon		7,706		22.9	8,832	16,539	16,539	100.0
Northwest Terr.		19,139		24.6	1,444	20,582	25,754	79.9
Nunavut			1,899	40.0		1,899	13,663	13.9
Population Size Group (000's)								
< 2	2,154	32,992	7,730	30.6	198,092	240,969	292,165	82.5
2 to 5	20,611	43,016	42,009	33.0	437,345	542,981	696,842	77.9
5 to 50	13,319	360,115	759,131	44.6	1,563,747	2,696,312	3,481,778	77.4
50 to 500	529,660	329,973	2,517,811	42.8	1,739,772	5,117,216	5,661,507	90.4
500+	2,480,998	502,272	3,087,960	37.8	522,784	6,594,014	7,251,747	90.9
Total	3,046,742	1,268,368	6,414,641	40.0	4,461,741	15,191,492	17,384,038	87.4

Table derived from 2001 Municipal Water Pricing Database (for responding municipalities with rate charges), Sustainable Water Use Branch, Environment Canada.

* Note that averages are weighted by population served sewers (not by population served water).

** Total population with sewer services in municipalities with responses to survey pricing section.

Table 12 - 2001**Average Residential Water and Sewer Prices (\$/month), by Province and by Population Size Group**

Province / Territory	Mean Price* for 25 m3 Water Service	Mean Price* for 25 m3 Sewer Service	Total Price** 25 m3	Sewer %*** of Total
Newfoundland	14.49	4.69	19.29	24.4
P.E.I.	11.05	15.93	25.83	59.0
Nova Scotia	19.03	2.88	23.73	13.2
New Brunswick	23.13	17.44	41.02	43.0
Quebec	10.34	4.55	17.84	30.6
Ontario	21.98	11.85	34.52	35.0
Manitoba	27.31	21.50	48.86	44.1
Saskatchewan	19.68	16.20	35.83	45.1
Alberta	25.95	20.84	46.71	44.5
British Columbia	16.14	10.60	26.62	39.6
Yukon	30.85	15.10	45.67	32.9
North Territories	59.85	16.16	75.98	21.3
Nunavut	106.51	5.60	106.46	5.0
Population Size Group (000's)				
< 2	21.47	10.29	31.58	32.4
2 to 5	17.95	10.03	29.03	35.9
5 to 50	17.68	11.69	29.31	39.8
50 to 500	16.84	12.93	32.54	43.4
500+	23.92	12.24	36.13	33.8
Total	20.04	12.26	33.18	38.0

Table derived from 2001 Municipal Water Pricing Database (for responding municipalities with rate charges), Sustainable Water Use Branch, Environment Canada.

* Sewer prices assume all of flat sewer charges as well as "% Sewer Charge" of other flat min./meter charges and of vol charges, are sewer charges.

** This is from the respective averages of Table 8 - 2001 (weighted by population served water).

*** Water priced are weighted by the population served water, and sewer prices are weighted by the population served sewer, thus the Total Price** is not necessarily the sum of the two, and the Sewer % is determined using Total Price less weighted water price.

Table 12 Trends - 2001
Sewer Charge Breakout, by Province and by Population Size Group

Province/ Territory	Sewer Charges as a Percent of Total Charges*				
	1991	1994	1996	1999	2001
Newfoundland	18.9	23.6	22.2	19.2	24.4
P.E.I.	50.2	51.7	51.4	51.8	59
Nova Scotia	29.4	30	39.2	46.3	13.2
New Brunswick	39.6	47.6	51.1	53	43
Quebec	11.5	16.1	21.4	25.2	30.6
Ontario	35.6	42.2	38.2	39.3	35
Manitoba	50	52.7	53.7	49.5	44.1
Saskatchewan	47	49.8	45.2	48.7	45.1
Alberta	40.1	42.7	46	45.7	44.5
British Columbia	25.8	35.1	36.5	36.8	39.6
Yukon Terr.	21.3	21.5	26	33.2	32.9
Northwest Terr.**	8.1	16.5	18.8	19	21.3
Nunavut Terr.					5
Population Size Group (000's)					
< 2 ***	30.6	30.2	33.1	31.3	32.4
2 to 5	31.1	33.5	35.3	37.2	35.9
5 to 50	30.2	35	36.8	39.8	39.8
50 to 500	37.5	43.2	42.2	47	43.4
500+	30.6	39	35.7	29.5	33.8
Total	33.6	39.1	38.6	39.5	38.0

Table derived from 2001 Municipal Water Pricing Database (for responding municipalities with rate charges), Sustainable Water Use Branch, Environment Canada.

* Water charges weighted by population served water, and sewer charges weighted by population served sewer, with the total (for Percent Basis) being the resulting two estimates added together.

** Includes Nunavut prior to 2001 survey

*** in 1999 and earlier surveys the below 1K was done separately. The 1 to 2K was used here as an approximation for these.

Table 13 - 2001**Total and Residential Average Daily Flow of Water (m3), by Province and Population Size Group**

Province / Territory	Population Size Group (000's)										Canada Total	
	below 2		2 to 5		5 to 50		50 to 500		500+			
	total	residential	total	residential	total	residential	total	residential	total	residential	total	residential
Newfoundland	26,259	20,771	77,552	42,010	107,317	74,236	104483.56	78,363			315,612	215,380
P.E.I.	786	628	818	777	23,989	9,032					25,594	10,438
Nova Scotia	8,123	3,121	27,775	15,476	63,473	22,026	55,540	31,102			154,911	71,724
New Brunswick	23,007	14,561	30,597	17,286	83,671	55,967	311,625	52,263			448,900	140,077
Quebec	29,919	18,701	167,360	92,627	718,605	453,828			2,052,380	820,952	2,968,263	1,386,107
Ontario	9,064	6,131	36,131	24,506	492,956	281,898	1,561,499	802,510	2,111,523	1,103,437	4,211,173	2,218,483
Manitoba	11,027	8,069	15,045	8,657	78,861	41,089			218,594	118,041	323,527	175,856
Saskatchewan	21,765	14,436	25,250	17,099	64,819	28,320	211,150	87,410			322,985	147,265
Alberta	25,299	17,639	54,677	35,723	217,966	121,903	189,607	93,750	759,483	407,338	1,247,031	676,353
British Columbia	26,159	17,386	103,311	77,235	522,700	356,411	1,114,340	698,291	295,938	195,023	2,062,448	1,344,346
Yukon	2,050	1,716			12,843	8,605					14,894	10,321
North Territories	1,375	1,002	3,518	1,824	6,041	2,441					10,933	5,267
Nunavut	801	654	293	235	595	524					1,690	1,412
Total	185,634	124,815	542,327	333,455	2,393,836	1,456,280	3,548,245	1,843,688	5,437,918	2,644,791	12,107,960	6,403,029
Use*	215,438		657,290		2,949,389		5,339,074		5,713,575		14,874,766	

Table derived mainly from 2001 Municipal Water Pricing Database (for responding municipalities with rate charges), Sustainable Water Use Branch, Environment Canada.

* These totals are from the 2001 Municipal Water Use Database, for comparison of Use and Pricing database completeness.

Table 14 - 2001**Residential Flat versus Volume-based Average Daily Flows, by Province and by Population Size Group**

Province / Territory	Population Served* Water	Domestic ADF, litres per Capita	Population Served* FLAT only	Dom. FLAT ADF, litres per Capita	Population Served* VOL. only	Dom. VOL. ADF, litres per Capita
Newfoundland	328,714	664	328,714	664	0	n/a
P.E.I.	49,503	218	17,096	245	0	n/a
Nova Scotia	482,329	351	16,876	428	334,472	336
New Brunswick	344,213	416	84,966	435	24,539	368
Quebec	5,789,754	395	1,919,154	450	194,091	353
Ontario	9,675,362	283	324,479	425	5,317,695	258
Manitoba	788,799	223	17,395	665	755,167	208
Saskatchewan	625,299	236	4,009	493	608,583	232
Alberta	2,434,070	282	40,976	402	1,426,581	290
British Columbia	3,244,445	425	1,001,473	482	673,206	404
Yukon	18,547	556	0	n/a	0	n/a
Northwest Terr.	25,805	204	0	n/a	17,556	196
Nunavut	16,030	88	1,220	48	11,669	71
Population Size Group (000's)						
below 2	301,334	447	153,434	544	116,804	311
2 to 5	821,764	466	464,197	540	220,129	330
5 to 50	4,434,056	397	1,850,594	479	1,679,983	301
50 to 500	8,960,981	324	1,288,132	435	4,287,104	281
500+	9,304,734	300	0	n/a	3,059,538	238
Total	23,822,869	335	3,756,357	474	9,363,558	272

Table derived from 2001 Municipal Water Use Database (using 0% metering as flat, 100% metering as Vol-based), Sustainable Water Use Branch, Environment Canada.

* Population Served is determined to be population for which a domestic flow above zero is indicated.

Table 15 - 2001

Total Commercial Water Prices (\$/month) for Selected Volumes of Service, by Province and by Population Size Group

Province / Territory	10 cubic meters per month				35 cubic meters per month				100 cubic meters per month			
	Mean	Median	10th Percentile	90th Percentile	Mean	Median	10th Percentile	90th Percentile	Mean	Median	10th Percentile	90th Percentile
Newfoundland P.E.I.	29.80	24.84	14.87	37.20	30.38	25.00	14.87	38.79	32.26	25.00	15.58	43.35
Nova Scotia	25.52	25.92	**	**	31.11	31.73	**	**	46.91	39.21	**	**
New Brunswick	63.73	27.31	14.73	78.70	73.72	34.78	21.17	94.39	72.58	55.25	27.10	113.62
Quebec	26.52	25.30	10.38	40.00	34.64	28.84	14.00	55.04	56.61	30.67	14.71	133.96
Ontario	20.93	18.25	8.30	36.00	23.52	20.83	11.12	40.60	32.42	26.00	11.84	62.30
Manitoba	37.30	28.00	11.59	57.60	53.67	46.07	21.94	79.68	101.37	90.50	28.11	161.90
Saskatchewan	27.11	24.70	13.60	46.55	44.84	40.66	20.87	87.70	110.99	103.12	27.86	200.96
Alberta	28.64	25.67	14.54	42.79	49.04	45.41	31.29	68.96	107.48	107.68	56.09	165.63
British Columbia	41.14	32.75	16.81	65.87	64.34	59.98	28.42	96.74	131.11	132.20	39.75	201.42
Yukon Terr.	29.64	25.69	9.30	51.92	35.22	30.33	14.75	63.90	53.82	44.85	16.80	111.80
Northwest Terr.	31.03	27.81	**	**	31.03	27.81	**	**	60.72	52.84	**	**
Nunavut Terr.	49.79	44.00	**	**	104.62	115.40	**	**	256.63	270.00	**	**
Nunavut Terr.	55.76	44.60	**	**	192.36	156.10	**	**	547.56	446.00	**	**
Population Size Group (000's)												
below 2	29.76	24.83	11.50	46.96	41.21	30.24	13.55	68.86	74.58	40.06	15.00	159.20
2 to 5	31.12	24.61	11.50	46.25	40.50	31.23	13.33	68.23	69.02	40.00	14.09	139.51
5 to 50	34.35	26.25	11.56	54.03	46.84	36.44	15.00	75.62	81.39	60.37	17.92	165.00
50 to 500	29.85	23.00	8.99	58.39	47.92	46.05	19.85	73.61	98.26	93.00	34.62	145.94
500+	22.46	20.77	7.28	51.33	46.56	49.74	17.16	94.85	112.10	106.52	17.16	214.92
Total	31.83	25.00	11.25	50.51	43.68	33.28	14.56	71.55	77.61	52.63	16.28	156.95

Table derived from 2001 Municipal Water Pricing Database (for responding municipalities with rate structures), Sustainable Water Use Branch, Environment Canada.

Note: all values based on unweighted rate schedules.

** not enough rate structures to determine value

Table 17 - 2001

Frequency Distribution* of Residential and Commercial Water Rate Types, by Province and by Population Size Group

Province / Territory	Flat Charge Types				Volume-Based Rate Types								Total	Total	Total
	Flat		Assessment		CUC		DBR		IBR		Complex		Res.	Com.	Rates or
	Res.	Com.	Res.	Com.	Res.	Com.	Res.	Com.	Res.	Com.	Res.	Com.	Rates	Rates	Assess.
Newfoundland	71	66	1		1	7	1	3					73	76	150
P.E.I.	6	2			2	4							8	6	14
Nova Scotia	21	7			5	5	27	31	2	7			55	50	105
New Brunswick	51	40	1		9	12	5	9			1		66	61	128
Quebec	186	161	8	4	42	73	3	12	5	8			236	254	502
Ontario	84	44	3		71	66	15	36	15	7	3	2	188	155	346
Manitoba	9	6	4	3	19	17	24	25					52	48	107
Saskatchewan	11	7			42	45	15	12	7	8			75	72	147
Alberta	38	23	1		92	86	17	25	9	10		1	156	145	302
British Columbia	111	83	1		37	48	6	26	8	11			162	168	331
Yukon	3	2			2	2							5	4	9
North Territories	2	1			7	6							9	7	16
Nunavut					10	9							10	9	19
Population Size Group (000's)															
1 to 2	165	138	5	3	80	91	27	37	5	9			277	275	560
2 to 5	188	157	6	2	77	84	33	45	8	7	1		307	293	608
5 to 50	211	136	5	2	137	171	40	64	26	32	2	2	416	405	828
50 to 500	25	9	1		39	30	12	28	6	3	1	1	83	71	155
500+	4	2	2		6	4	1	5	1				12	11	25
Total	593	442	19	7	339	380	113	178	46	52	4	3	1095	1,055	2176

Table derived from 2001 Municipal Water Pricing Database (for responding municipalities with rate types or assessments), Environmental Economics Branch, Environment Canada.

* Responding to rate schedule pricing or assessed

Table 18 (new format) - 2001
Residential Populations in Municipalities Responding to Survey,
by Province and by Population Size Group

Province / Territory	# Munic's Surveyed	Residential Population						Percent Pop. Responding**	% Pop. Resp In 2001 Rates
		Responding rates, 2001	Responding rates, 1999*	Responding Assessed	Responding Not Served	Responding No Utility	No Survey Response		
Newfoundland	94	146,549	168,315	9,458	31,708	7,360	35,600	91	37
P.E.I.	27	27,731	20,797	0	11,731	28,479	1,945	98	31
Nova Scotia	71	33,103	157,521	0	94,333	26,149	585,952	35	4
New Brunswick	166	209,782	129,140	3,221	66,255	188,777	73,351	89	31
Quebec	614	1,414,735	906,675	1,161,864	194,280	103,397	3,202,299	54	20
Ontario	308	7,524,833	1,000,417	73,157	555,882	121,179	2,074,340	82	66
Manitoba	108	652,243	122,055	16,925	60,370	22,074	127,370	87	65
Saskatchewan	116	375,098	252,515	0	9,895	11,898	58,410	92	53
Alberta	187	1,592,053	441,643	376,594	173,558	25,715	272,508	91	55
British Columbia	252	2,030,463	1,211,642	2,499	134,719	18,711	407,679	89	53
Yukon Terr.	5	0	18,547	0	2,674	0	2,858	88	0
Northwest Terr.	6	0	25,805	0	2,040	0	0	100	0
Nunavut Terr.	10	3,142	12,889	0	2,240	0	0	100	17
Population Size Group (000's)									
below 2	733	100,015	210,878	6,573	51,784	181,524	480,731	53	10
2 to 5	610	267,391	467,192	10,539	134,016	143,562	919,957	53	14
5 to 50	537	1,632,624	2,075,094	34,092	776,534	228,653	1,967,988	71	24
50 to 500	74	4,728,151	1,714,796	71,425	233,244	0	2,960,239	70	49
500+	10	7,281,551	0	1,521,090	144,107	0	513,397	95	77
Total	1,964	14,009,731	4,467,960	1,643,718	1,339,684	553,739	6,842,312	76	49

Table derived from 2001 Municipal Water Pricing Database, Sustainable Water Use Branch, Environment Canada

* Responding Rates, 1999 - refers to those municipal populations that were imputed for, using the 1999 Municipal Water Pricing Database, which includes data from even earlier such surveys as well, where no 1999 response was forthcoming.

** Responding refers to residents of municipalities with water utilities that responded with pricing schedules and other basic data in 2001 or earlier MUD surveys (see * above), or those in municipalities that have no water utility that indicated such, or that were charged with tax assessed-based charges and indicated such.

Table 19 - 2001**Municipalities with Assessed Residential Water Pricing, by Province and by Population Size Group**

Province / Territory	No. of Munic.*	Municipal Population	Population Served Water	% of Total	Population Serv. Sewers	% of Total	Pop. Serv. Sew. Treat.	% of Total	Total ADF	Domestic ADF**	% of Total**	Avg./Cap. litres/day**
Newfoundland P.E.I.	1.00	9,651	9,458	98.0	9,458	98.0	9,458	98.0	7,785	4,126	53.0	436.2
Nova Scotia												
New Brunswick	0.89	3,928	3,221	82.0	3,221	82.0	3,221	82.0	1,388	1,235	89.0	383.5
Quebec	6.64	1,165,810	1,161,864	99.7	1,160,630	99.6	1,158,664	99.4	1,291,206	519,333	40.2	447.0
Ontario	2.10	74,488	73,157	98.2	73,172	98.2	73,172	98.2	49,469	26,706	54.0	365.1
Manitoba	3.55	21,569	16,925	78.5	17,905	83.0	16,405	76.1	20,056	10,287	51.3	607.8
Saskatchewan												
Alberta	0.43	376,594	376,594	100.0	376,594	100.0	376,594	100.0	210,142	97,296	46.3	258.4
British Columbia	0.98	2,544	2,499	98.2	2,498	98.2	2,499	98.2	2,855	1,798	63.0	719.8
Yukon Terr.												
Northwest Terr.												
Nunavut Terr.												
Population Size Group (000's)												
below 2	5.00	8,534	6,573	77.0	5,953	69.8	2,487	29.1	5,317	4,079	76.7	620.5
2 to 5	4.44	15,972	10,539	66.0	10,936	68.5	10,937	68.5	7,097	4,602	64.8	436.7
5 to 50	4.10	37,543	34,092	90.8	34,053	90.7	34,053	90.7	33,098	17,100	51.7	501.6
50 to 500	1.00	71,446	71,425	100.0	71,446	100.0	71,446	100.0	48,614	26,252	54.0	367.5
500+	1.05	1,521,090	1,521,090	100.0	1,521,090	100.0	1,521,090	100.0	1,488,775	608,749	40.9	400.2
Total	15.59	1,654,585	1,643,718	99.3	1,643,478	99.3	1,640,013	99.1	1,582,900	660,782	41.7	402.0

Table derived from final 2001 Municipal Water Pricing Database (for responding municipalities with Assessments), Sustainable Water Use Branch, Environment Canada.

* Number of municipalities may be less than whole numbers as some municipalities may have rates as well (pop. allocated by % metered if so).

** Incomplete reporting of water flow usage (generally not metered) for these municipalities may make these domestic ADF estimates and percentages unreliable.

Table 21 - 2001**Populations Served with Conservation Measures***

Province / Territory	Responding ** Population Served Water	Percent of Population Served Water, with:							Cons. Index *** Average
		Public Advertising	Increased Metering	Install Eff. Equip.	Home Audits	Water Eff. Kits	Lawn Wtr Bylaws	Other	
Newfoundland	251,942	1	4	43	62	5	71	19	2.1
P.E.I.	41,652	0	0	33	0	67	0	0	1.3
Nova Scotia	440,085	88	86	84	0	69	89	20	4.5
New Brunswick	241,781	55	0	28	15	28	79	62	2.7
Quebec	4,043,661	4	2	2	89	12	39	17	1.7
Ontario	7,413,970	51	14	54	49	42	83	67	4.2
Manitoba	706,606	87	0	87	1	87	95	8	4.5
Saskatchewan	594,275	69	0	3	7	31	43	33	1.9
Alberta	2,251,255	79	2	44	48	71	92	48	4.4
British Columbia	2,729,636	36	10	24	76	38	72	73	3.8
Terr.	36,884	3	0	0	0	3	0	9	0.2
Population Size Group (000's)									
below 2	194,209	8	3	2	37	7	40	20	1.3
2 to 5	454,378	14	3	4	48	9	40	29	1.6
5 to 50	3,089,825	15	5	10	56	16	52	35	2.1
50 to 500	6,823,619	31	17	31	61	25	77	43	3.1
500+	8,189,716	69	6	54	54	63	78	62	4.5
Total	18,751,746	44	10	37	57	40	72	49	3.5

Table derived from 2001 Municipal Water Use Database (for responding municipalities), Sustainable Water Use Branch, Environment Canada.

* Conservation measures are non-price measures to promote water conservation. They may be either planned or underway.

** Responding Pop Served Water assumes responded to survey for at least first section (incl section with Conservation Measures question) - whether indicated any measures or not.

*** Conservation Index is the number of water conservation measures the municipality indicated that they have planned or underway

Table 22 - 2001

Conservation Measures (Existing or Planned) - by unweighted municipalities*

Prov. / Terr.	Municipalities	A	A%	B	B%	C	C%	D	D%	E	E%	F	F%	G	G%	H	H%
Newfoundland	40	5	12.5	1	2.5	1	2.5	2	5.0	7	17.5	3	7.5	13	32.5	3	7.5
P.E.I.	21	1	4.8	0	0.0	0	0.0	1	4.8	0	0.0	1	4.8	0	0.0	0	0.0
Nova Scotia	25	3	12.0	7	28.0	3	12.0	2	8.0	0	0.0	3	12.0	10	40.0	6	24.0
New Brunswick	109	3	2.8	8	7.3	2	1.8	2	1.8	8	7.3	6	5.5	15	13.8	6	5.5
Quebec	268	22	8.2	25	9.3	22	8.2	14	5.2	150	56.0	18	6.7	94	35.1	48	17.9
Ontario	172	21	12.2	16	9.3	8	4.7	14	8.1	68	39.5	11	6.4	56	32.6	38	22.1
Manitoba	36	5	13.9	2	5.6	3	8.3	3	8.3	2	5.6	2	5.6	7	19.4	7	19.4
Saskatchewan	78	6	7.7	8	10.3	0	0.0	4	5.1	17	21.8	3	3.8	22	28.2	13	16.7
Alberta	103	28	27.2	19	18.4	6	5.8	10	9.7	35	34.0	13	12.6	50	48.5	39	37.9
British Columbia	109	18	16.5	15	13.8	6	5.5	7	6.4	51	46.8	15	13.8	54	49.5	40	36.7
Yukon Terr.	3	1	33.3	1	33.3	0	0.0	0	0.0	0	0.0	1	33.3	0	0.0	0	0.0
Northwest Terr.	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nunavut Terr.	2	1	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	50.0
Population Size Group (000's)																	
below 2	318	23	7.2	13	4.1	8	2.5	5	1.6	63	19.8	11	3.5	67	21.1	32	10.1
2 to 5	242	23	9.5	24	9.9	11	4.5	8	3.3	84	34.7	17	7	68	28.1	46	19
5 to 50	331	47	14.2	40	12.1	22	6.6	28	8.5	154	46.5	31	9.4	139	42	96	29
50 to 500	67	16	23.9	19	28.4	9	13.4	14	20.9	32	47.8	12	17.9	40	59.7	22	32.8
500+	9	5	55.6	6	66.7	1	11.1	4	44.4	5	55.6	5	55.6	7	77.8	5	55.6
Total	967	114	11.8	102	10.5	51	5.3	59	6.1	338	35	76	7.9	321	33.2	201	20.8

Table derived from 2001 Municipal Water Use Database (for responding municipalities), Sustainable Water Management, Environment Canada.

* unweighted by population served water, or other. Only indicated that municipality has or has plans underway to implement the measure somewhere in their municipality.

- | | | | |
|---|--|---|----------------------------------|
| A | industrial/ commercial/ institutional advice | E | home audits |
| B | public advertising | F | water efficiency kits |
| C | increased water metering | G | lawn watering bylaws |
| D | install efficiency equipment | H | other water conservation measure |

Table 23 - 2001
Total Water and Wastewater Revenues per Capita Served Water*,
For All Revenue Sources, by Province and by Population Size Group

Province / Territory	Dollars per Capita Served Water				Responding Population
	Mean	Median	10 th Percentile	90 th Percentile	
Newfoundland	118	118	112	118	124,601
P.E.I.	199	199	199	199	27,731
Nova Scotia	266	264	203	357	31,359
New Brunswick	263	288	211	310	205,980
Quebec	96	74	74	155	706,679
Ontario	272	183	142	205	4,234,558
Manitoba	247	249	249	249	635,880
Saskatchewan	158	112	112	223	307,448
Alberta	224	261	146	267	1,889,875
British Columbia	157	159	103	255	1,455,766
Yukon					0
Northwest Terr.					0
Nunavut	1,910	1,910	1,910	1,910	3,142
Population Size Group (000's)					
< 2	211	183	101	273	88,563
2 to 5	197	204	74	301	201,747
5 to 50	575	191	79	320	1,087,655
50 to 500	161	159	74	288	3,066,232
500+	191	183	103	261	5,178,823
Total	225	183	103	261	9,623,019

Table derived from 2001 Municipal Water Pricing Database (for responding municipalities with rate charges), Sustainable Water Use Branch, Environment Canada.

* Values weighted by population served water in municipality

**Table 24 - 2001
Water and Wastewater Revenue Sources - Breakout,
By Province and by Population Size Group**

Percentage Breakout - Weighted by Populations Served Water							
Province / Territory	Water Billing	Sewer Surcharges	Wastewater Haulage Bill	Municipal Tax Base	Overstrength Sewage Charges	Other*	Responding Population
Newfoundland	94.1	3.1	0.0	2.8	0.0	6.4	124,601
P.E.I.	37.0	47.0	0.0	0.0	0.0	16.0	27,731
Nova Scotia	88.2	11.3	0.0	0.0	0.5	0.0	31,359
New Brunswick	49.5	39.3	0.0	3.4	0.0	8.2	189,311
Quebec	84.9	10.7	1.5	2.3	0.0	0.2	604,299
Ontario	52.1	41.5	0.0	0.1	1.3	5.1	4,012,247
Manitoba	99.3	0.1	0.0	0.5	0.0	0.0	631,969
Saskatchewan	61.6	36.8	0.0	5.2	0.0	0.2	299,301
Alberta	90.9	7.0	0.1	0.1	0.9	0.3	1,090,867
British Columbia	54.0	20.3	0.1	22.0	0.1	4.6	1,311,869
Yukon							0
Northwest Terr.							0
Nunavut	100.0	0.0	0.0	0.0	0.0	0.0	3,142
Population Size Group (000's)							
< 2	66.1	24.2	0.7	7.8	0.0	1.2	86,068
2 to 5	63.4	24.9	2.0	6.5	0.1	3.1	183,097
5 to 50	68.4	22.9	0.7	4.0	0.1	3.9	894,907
50 to 500	67.2	28.9	0.0	2.2	0.1	1.5	2,643,243
500+	61.5	27.5	0.0	5.0	1.3	4.8	4,519,380
Total	64.2	27.4	0.1	4.0	0.8	3.6	8,326,695

Table derived from 2001 Municipal Water Pricing Database (for responding municipalities with rate charges), Sustainable Water Use Branch, Environment Canada.

* Responses to Other included such things as: fire protection fees, user fees, connection fees, government grants, development levies, interest income, etc.