

Table 6-4

Operation and maintenance costs of drinking water plants — Treating primarily surface water, by production volume

Production volume category (thousands of cubic metres per day ⁴)	Total costs					Unit costs				
	Materials ¹	Labour ²	Energy	Other ³	Total	Materials ¹	Labour ²	Energy	Other ³	Total
	millions of dollars					dollars per thousand cubic metres				
All categories	170.4^A	260.3^A	155.1^A	85.2^A	671.0^A	38.2^A	58.3^A	34.8^A	19.1^A	150.4^A
1.5 or less	16.1 ^A	30.4 ^A	11.5 ^A	10.6 ^A	68.5 ^A	189.7 ^A	358.9 ^A	135.3 ^A	124.6 ^A	808.5 ^A
more than 1.5 to 5	18.5 ^A	28.5 ^A	14.4 ^A	11.7 ^A	73.1 ^A	97.8 ^A	151.2 ^A	76.0 ^A	62.2 ^A	387.2 ^A
more than 5 to 10	15.5 ^A	23.6 ^A	14.9 ^A	10.8 ^B	64.8 ^A	82.4 ^A	125.8 ^A	79.6 ^A	57.7 ^B	345.5 ^A
more than 10 to 20	12.5 ^A	20.7 ^A	10.3 ^A	6.8 ^B	50.3 ^A	51.0 ^A	84.2 ^A	42.0 ^A	27.8 ^B	205.0 ^A
more than 20 to 50	33.3 ^A	45.2 ^A	27.3 ^A	10.9 ^B	116.6 ^A	55.2 ^A	75.0 ^A	45.2 ^A	18.1 ^B	193.6 ^A
more than 50 to 100	21.6 ^A	27.7 ^A	21.9 ^A	7.0 ^B	78.3 ^A	37.0 ^A	47.4 ^A	37.5 ^A	11.9 ^B	133.9 ^A
more than 100	53.0 ^A	84.1 ^A	54.9 ^A	27.4 ^A	219.4 ^A	20.6 ^A	32.8 ^A	21.4 ^A	10.7 ^A	85.4 ^A

1. Includes chemicals and replacement parts.

2. Includes internal and external staff including laboratory personnel.

3. Includes costs such as waste disposal and residuals handling, analytical/sampling costs, any associated administration and service costs directly related to operation and maintenance (consultants and contractors) and costs related to waste treatment processes (that is, backwash processing and residuals disposal).

4. One thousand cubic metres is equal to one mega litre.

Note(s): Cost per unit volume will vary within each category due to various sizes and configurations of plants. Includes plants treating 90% or more surface water and costs related to the acquisition and treatment, but not the distribution, of water. Figures may not add up to totals due to rounding.

Source(s): Statistics Canada, 2013, Environment Accounts and Statistics Division, Survey of Drinking Water Plants (survey number 5149).