

DETAILED FINANCIAL ANALYSIS

A breakdown of the per unit cost and installation of a water fountain bottle-filling station is outlined in the table below. This financial analysis is based on the water fountain bottle-filling station on the 6th floor of the Municipal Building installed in 2012 through Corporate Properties & Buildings (CPB).

The information within the table below was received through internal and external consultation with CPB, AK Brown Refrigeration and Air-Conditioning (the supplier, the Interior Construction Administrator as well as with the Mechanical Contractor). Comparison between a single unit and double/bi-level unit was undertaken to accommodate locations within buildings with high traffic volumes, and where it is not required by Alberta Building Code to provide barrier free access to a fountain. Depending on which condition exists, a bi-level or single unit should be considered. Both an additional unit cost and installation fee have been accounted for within the information provided below

	Single Unit	Total	Double Unit/Bi-Level	Total
Retrofit Installation	Unit Cost	\$1,500.00	Unit Cost	\$2,200.00
	Mechanical	\$1,570.98	Mechanical	\$1,821.63
	Electrical	\$1,218.55	Electrical	\$1,401.33
	Wall Modification	\$1,334.00	Wall Modification	\$1,534.10
	Wall Vinyl	\$1,258.30	Wall Vinyl	\$1,447.10
	Total Cost: \$6,881.83		Total Cost: \$ 8,404.16	
New Construction Installation	Unit Cost	\$1,500.00	Unit Cost	\$2,200.00
	Mechanical	\$1,570.98	Mechanical	\$1,821.63
	Electrical	\$1,218.55	Electrical	\$1,401.33
	Wall Modification	n/a	Wall Modification	n/a
	Wall Vinyl	n/a	Wall Vinyl	n/a
Total Cost	Total Cost: \$4,289.53		Total Cost: \$5,422.96	

Based on the above information the cost ranges from \$4,500 to \$8,500. Depending on available water and electricity for retrofits, there may be an additional cost for installation. This cost would be calculated on a case by case basis; however, for the purpose of this report an additional 15% contingency has been accounted. The range is therefore between \$5,175.00 and \$9,775.00.

The timeframe to complete the 6th floor water fountain installation was approximately one (1) month, with over half the time spent on the lead time required for the supplier to order the fountain. Based on the 6th floor installation timeframe, an estimated timeframe of 7-8 month for the installation of twenty eight (28) fountains has been determined with one (1) contractor undertaking the work. The following assumptions have been made to determine an approximate timeframe:

- *Initial Meeting and Corporate Approvals - 8 weeks*
- *Order time for the fountains – 6 to 9 weeks*
- *Overall construction (2 fountain installations per week) – 16 weeks*