

City of Peterborough/ Peterborough County - Cost of Landfill Estimate March 2015

WMC15-005 – Appendix A

Cost per tonne before revenue	\$72.67
Net Cost	\$11.92
Cost per cubic metre before revenue	\$48.77
Net Cost	\$8.00

Assumptions

1. Final costs are expressed in 2014 Canadian dollars.
2. A cost based approach to produce a cost per tonne and cost per cubic meter used historical estimates, actual data and future projections.
3. The historical growth rate 1981 to 1992 for operating expenditures and revenues was 2 % annually. Actual data was used for 1994 to 2014. Projections were made for future years.
4. There were data availability restrictions (see below)
5. The present value calculations to express revenues and expenditures in 2014\$ used a discount rate of 3%
6. The mattress diversion program has been reflected in the analysis; however future waste diversion opportunities have not been factored into the remaining useful life of the landfill.
7. The Consultants 2014 Study included revised useful life assumptions and closure / post closure cost updates, all of which are incorporated in the analysis.

Data Restrictions

Actual operating results from the 1981 (south landfill opening) until 1992 were not available. The historical growth rates for revenue and expenditures from 1993 to 2011 were used to estimate nominal dollar revenue and expenditures for 1981 to 1992.

Actual capital investment required to develop the landfill were not available. Best efforts to estimate these costs were made using budget data, funding applications and council reports.