



The Corporation of the City of Cornwall
Regular Meeting of Council
Report

Department: Infrastructure and Municipal Works
Division: Environment
Report Number: 2020-255-Infrastructure and Municipal Works
Prepared By: Danielle Watson, Waste Management Supervisor
Meeting Date: January 13, 2020
Subject: Landfill Cost Accounting Analysis by Derek Ali P. Eng from
DFA Infrastructure International

Purpose

The purpose of this presentation and report is to identify the full cost of services for the Corporation's waste diversion and disposal services based on financial and operational data. Full cost analysis is important in order to determine life cycle costs and closure and post closure care of the Corporation's waste diversion and disposal infrastructure.

Recommendation

That Council receive the Cost of Service Report and presentation completed by DFA Infrastructure International Inc.

Strategic Priority Implications

The strategic priorities as identified by City Council for 2019-2022 identify the City as being Leaders in sustainability and climate change impact. Composting and education on recycling and waste reduction is identified as objective number 2 and 4 respectively.

Background / Discussion

The City of Cornwall provides waste management services to its residential, multi-residential, Industrial, Commercial, and Institutional sectors. Services include waste collection, waste disposal, blue box collection and processing, and other waste diversion programs geared towards waste reduction and environmental stewardship. The City owns two landfill sites located at 2590 Cornwall Centre Road West. The site currently in use is projected to close by 2032 based on the current disposal rate and remaining capacity. Landfill gas and leachate are managed at both sites through respective collection systems. The gas is collected and flared on-site. The leachate is collected through the Leachate Collection System and directed to the City's sanitary sewer for treatment at the City's Waste Water Treatment Plant.

Waste management services are generally delivered through contractual agreements with service providers. Costs are recovered through landfill tipping fees, Ontario Stewardship funding, revenue from the sale of recycling and property taxes. There are a variety of changes the Provincial government is making with regards to waste management, these changes include the funding and operation of the Municipal Blue Box Program and the operation of a Municipal collection and processing program for organic waste. The province is also mandating that all municipalities are required to calculate and plan for landfill closure and post closure care costs under PSAD Standard 3270. Due to changes the provincial government is implementing the City retained DFA Infrastructure International (DFA) to update the cost of service to inform future decisions on waste management. The study had three main purposes:

1. Determine the cost of the City's existing waste management services based on the most recent information;
2. Develop a full cost of service for waste disposal and diversion over a 25-year period including identifying reserve requirements, to ensure the long-term financial sustainability of the City's waste management system;
3. Inform the preparation of the Terms of Reference for identifying and understanding the long-term waste disposal costs associated with landfilling.

The report, created from the study DFA completed in 2019, contains 12 primary recommendations for Councils Consideration, they are outlined in the attached report on pages i-v.

Document Title:	Landfill Full Cost Accounting - 2020-255-Infrastructure and Municipal Works.docx
Attachments:	- Cost of Service Final Report by DFA Dec 24 2019.pdf
Final Approval Date:	Jan 8, 2020

This report and all of its attachments were approved and signed as outlined below:

Carl Goodwin - Jan 8, 2020 - 8:21 AM

Bill de Wit - Jan 8, 2020 - 12:26 PM

Tracey Bailey - Jan 8, 2020 - 1:44 PM

Maureen Adams - Jan 8, 2020 - 2:29 PM