

The Corporation of the City of Kawartha Lakes

Council Report

Report Number PUR2020-009

Meeting Date: March 24, 2020

Title: Transportation and Recycling of Mixed Construction and Demolition
Material at Lindsay Ops Landfill

Ward Number: All

Author and Title: Marielle van Engelen, Buyer
Nikki Payne, Waste Technician II

Recommendation(s):

That Report PUR2020-009, Transportation and Recycling of Mixed Construction and Demolition Material at Lindsay Ops Landfill, be received;

That Durham Disposal Services Ltd. be selected for the award of the transportation and recycling of mixed construction and demolition material at the Lindsay Ops Landfill, on an as required basis, at a total estimated cost of \$152,319 not including HST;

That subject to receipt of the required documents, the Mayor and Clerk be authorized to execute the agreement to award the contract; and

That the Procurement Division be authorized to issue a purchase order.

Department Head: _____

Financial/Legal/HR/Other: _____

Chief Administrative Officer: _____

Background:

In 2017, Reclay Steward Edge Inc. completed a Construction and Demolition (C&D) Diversion Feasibility Study for the City of Kawartha Lakes. In this document, it states that Lindsay Ops has over 10,000 tonnes of mixed construction and demolition waste disposed in the landfill each year.

Staff received authorization from Council and implemented a pilot program for C&D Diversion in 2018 to assess program benefits, challenges and feasibility.

A competitive request for proposal process was undertaken in January of 2018 to secure a third-party contractor to transport and process construction and demolition (C&D) material from the Lindsay Ops and Fenelon Landfills. The City received no bids on the proposal. Since then, the City has been working to implement smaller scale programs to recycle C&D where possible.

In 2019, a clean wood waste recycling program at Lindsay Ops landfill and a drywall recycling program at Fenelon and Lindsay Ops Landfills, were secured through multiple requests for quotation. Although these programs were successful, there were challenges such as limited space for proper storage at both Lindsay Ops and Fenelon Landfills.

In 2019 Staff had sufficient data on the pilot program and reported to Council. At the Council Meeting of June 6, 2019, Council adopted the following resolution:

CR2019-405

That Report WM2019-008, Construction and Demolition Recycling Pilot Results and Recommendations, be received;

That Council approve an extension of the pilot to December 31, 2020 with an operating budget of \$155,000 in 2020; and

That Staff report back to Council on the success of the construction and demolition waste recycling pilot program by June 30, 2020 with future program recommendations and associated budget.

Carried

This report addresses that direction.

Rationale:

The department issued a request for quotation for a clean wood waste recycling program to run throughout 2020 which received no bids. Staff reached out to Durham Disposal Services Ltd. (who completed this work in 2019) to understand

why no bids were received and negotiated an alternative option that worked for both parties. That option is as follows:

- That the City provides their own roll off bins, for the collection of mixed construction and demolition material at the Lindsay Ops Landfill only and that Durham Disposal Services Ltd. provide transportation and the processing of the materials. Mixed construction demolition waste would include all wood, shingles, metal, drywall, rubble, etc. (all materials typically found in construction and demolition projects).

If we are able to capture 10% of that total through this diversion program, it could mean over 1,000 tonnes of material diverted, which would equate to large savings in deferred landfill space. At an estimated value of landfill space of \$150/tonne (based on Reclay's estimate) this savings would equate to \$150,000 per year in space savings.

Through allocating all of the C&D operating budget to Lindsay Ops, there is a greater chance of realizing cost and operational efficiencies in the program. The largest volume of C&D waste comes to Lindsay Ops and the Landfill is close to major transportation routes, is open more days of the week than other Kawartha Lakes sites, and has available equipment and bins on-site. If the data from this pilot project supports its continued operation, then the program may be expanded to Fenelon and other landfill sites at a subsequent date and or may be adjusted to maximize savings to the City.

Staff recommends that Durham Disposal Services Ltd, be selected for the award of transportation and recycling of mixed construction and demolition material at the Lindsay Ops Landfill, on an as required basis, at a total estimated cost of \$152,319 not including HST.

Other Alternatives Considered:

No other alternatives are being considered as the Solid Waste Division has already gone out for an informal quotation for a clean wood waste recycling program and received no bids.

Financial/Operation Impacts:

Funds for the Construction and Demolition pilot program have already been allocated in the 2020 Solid Waste operating budget. There is adequate budget within the 2020 operational budget to accommodate this contract.

The work is on as required basis and staff will monitor to ensure that costs stay within the allocated budget.

Relationship of Recommendation(s) To The 2020-2023 Strategic Plan:

Recycling of Mixed Construction and Demolition at Lindsay Ops landfill contributes to the following goal:

- A Healthy Environment
 - Execute the Integrated Waste Management Strategy which includes diversion of construction and demolition waste from the landfill to maximize landfill site life.

Consultations:

Manager of Environmental Services

Department Head E-Mail: brobinson@kawarthalakes.ca

Department Head: Bryan Robinson, Director of Public Works

Department File: 2020-33