



STAFF REPORT TO COUNCIL

Report No: PW-2022-18

May 9, 2022

From: Timothy Wright – Director of Public Works

RE: Large Item Pick Up

Recommended Motion:

THAT Council approves the Large Item pick-up pilot project for 2022 and gives permission to the CAO and director of public works to continue or discontinue the pilot at their discretion.

Background / Analysis:

The Large Item pick-up service is intended to provide an alternate landfill service to residents of North Glengarry for a flat fee of **\$40** for a residential of 0.78m³ which is a queen-sized mattress or two and a half dishwashers. The Large item pick-up program will provide a valuable service for residents who are unable to get materials to the public landfill site or commercial sites such as GFL. The initial pilot period is proposed at two months which will allow for one pick up on each route.

Systematic problems – Landfill Capacity

North Glengarry has four landfill sites with ECAs operated by the Municipality. Three of the four landfill sites are closed, and the Township continues to pay to engineer and manage the closure and monitoring of these sites. Glen Robertson is the only active landfill site for the Township that has used 35% of its capacity over 5 years of its operation. If the trend of its use continues, we will reach 100% capacity in 10 years.

Landfill Diversion

A key feature of the Large Item pick-up service will be that the articles will be sent to a commercial waste disposal site and will not impact our capacity. This will go a long way to slow the use of our current landfill and if the pilot is successful there may be opportunities to set up transfer stations where the waste is sent to commercially-run landfills preserving our landfill capacity. Items that are picked up by the team if determined to still have useful life will be put into a Sea container at the RARE plant and listed on the website for residents to pick up every Friday for free.



Cost Comparison

For a price Comparison, GFL's minimum tipping fee is **\$50**, this is the main option for a resident of the North of the Township as it is the closest site, this is drop off only which is a time and equipment commitment for the resident.

Cornwall offers a large item pick up service fee for the pickup of a mattress is **\$30**

Our main challenge for the pickup and the reason we cannot offer a per item rate is how spread out the residents are. Since windshield time plays such a major factor in the cost of the service. We intend to mitigate this by grouping pick-ups together to spread the cost per trip

Business Case – All figures are generalized, and costs may change depending on specifics – i.e., the exact model of the trailer

To complete a trip we need a utility trailer with a capacity of at least 8.3m³ and two laborers with appropriate training



An average trailer that is available to us has a capacity of **8.15m³** and the mattress is 0.78m³ (or two and a half dishwashers). Our intention is to fill up a trailer completely with each trip so we can accommodate about 10 residents per trip. Using our set rate this gives us an income of \$400/trip.

Bins, staff, and equipment are stationed at the RARE plant and so trip costs are calculated from there. If we consider a trip to Maxville which is on the larger end of distances from the RARE plant with a large concentration of residents, we can get a good idea of our average cost per trip. Some trips will be less, for example to Alexandria and some will be more such as trips to Dalkeith. This is a variable that hasn't been calculated and the pilot is intended to give us this data so we can refine the price per pick up.

Equipment

Cost to run/km \$0.66 (CAA Estimated Total Annual Driving Costs for: Pickup Trucks)

Cost for trailer payback/km \$0.20 (payback period of 5 years) (\$6000.00)

50km 40min driving time = \$43

Labour

\$120 for 2 hrs. work (own labour)

Disposal

Using a forty yard bin at 30m³ gives us 3.5trips per bin at \$784.00

so \$224.11 per trip

Other Overheads

Safe lifting equipment (dollys and slings)

Safe lifting training

Technical and Admin \$425 initial set up fee, \$30/per month 2% + \$0.10 per transaction

The online payment cost can be utilized by other departments for other payments

Assessed at \$13 per trip

Per trip

Disposal 224.11 Gilles R. Mayer Sanitation

Labour 120 RARE workforce

Equipment and fuel \$35

Budget Summary

| | Cost Per trip | Revenue per trip |
|---------------------------|-----------------|------------------|
| Equipment | \$43.00 | |
| Labour | \$120.00 | |
| Disposal | \$224.11 | |
| Overhead (tech, Admin) | \$13.00 | |
| Revenue for ten residents | | \$400 |
| Totals | \$400.00 | \$400.00 |

Risks

The main risk is demand and this can be managed by limiting the pilot period to two months.

North Glengarry serves 4714 private dwellings

If we assume 25% use over 6 months that give us 1178.5 pickups over a 6-month period, 118 trips over a 6-month period, 19 trips per month, and 3 trips per day giving us 6.5 days of large item pick up per month.

However, if we see a 50% usage rate, we will be in the range of 13 full days of large item pick up per month which will quickly tire out staff. In that case, we would have to bring in contracted labor which would increase our costs to \$272 for labor, leading to a charge of \$56 per pick up or \$48 per pick up if we averaged between the two wages.

Technical Platform

This service is heavily reliant on technology and the ability to accept payments online. The administrative cost of invoicing or taking payments over the phone while registering the location and type and quantity of pick-up items is untenable. We can utilize existing software to generate the work orders but the online payment API token is not something we currently have.

**NORTH
GLENGARRY**

**CITIZEN ISSUE &
SERVICE REQUEST FORM**

Ontario's Celtic Heartland



**Request for Large/Bulky Item
Pick-up**

English ▼

**Tell us
about
yourself**

First Name *

Last Name *

Email Address *

Phone Number *

Apt. #

Address



Alternatives:

N/A

Financial Implications:

This service is designed to be self-funded and is not projected to have an impact on the overall budget however the initial setup costs below need to be drawn taken from reserves from the landfill budget.

- Utility trailer purchase budget \$6000.00 (high resale value)
- Sea Container \$4000.00 (high resale value)
- Safe Lifting procedure training \$1000.00
- Online payment software \$425 initial set up, \$30 per month, 2% + 0.10 transaction fee

Attachments & Relevant Legislation:

Others Consulted:

Kimberley Goyette - Treasurer

Jessica Macdonald – RARE Acting General Manager

Zoe Bougie – PW specialist

Reviewed and Approved by:
Sarah Huskinson, CAO/Clerk