



City of Port Moody

Report/Recommendation to Council

Date: November 21, 2023
Submitted by: Engineering and Operations Department – Solid Waste, Fleet, and Shared Services Division
Subject: Request for Additional Funding for the Purchase of One Public Waste Collection Vehicle (SO22011)

Purpose

To seek additional funding for the purchase of a new dedicated Public Waste Collection Truck.

Recommended Resolution(s)

THAT \$155,000 be approved from the Equipment Replacement Reserve to fund the purchase of one dedicated Public Waste Collection Truck as recommended in the report dated November 21, 2023, from the Engineering and Operations Department – Solid Waste, Fleet, and Shared Services Division regarding Request for Additional Funding for the Purchase of One Public Waste Collection Vehicle (SO22011).

Background

At the November 19, 2021, meeting, in addition to approval of the 2022 Capital Plan, Council pre-approved two 2023 vehicle purchases to allow procurement processes to start earlier considering current long lead times for heavy duty and specialized vehicles per the following resolution:

AND THAT the 2023 vehicle replacements for SO22025 (Replace OP075 – 17 Mack LR) and SO22011 (Public Waste Collection Vehicle) be pre-approved to allow the procurement process to begin in 2022.

The 2017 Mack LR (OP075) was ordered as soon as a build slot was available in 2022 (mid-year) and is currently in delivery expected to arrive in the coming weeks.

The approved budgetary amount for the Public Waste Collection Vehicle of \$270,000 was based on an estimate provided by the vendor in August of 2021 during the 2022 budget planning process. At the time of budget approval staff focused on a dual-drive medium-duty rear load body mounted on a class 6 truck that would be dedicated to servicing public waste cans and other street cleaning functions like litter control, abandoned garbage and supporting the in-house glass recycling program. Unfortunately, further vehicle scoping, sourcing, and supply chain/cost issues have resulted in the cost of the unit exceeding the approved budget.

Discussion

Supply chain issues are still present in the heavy vehicle market and as a result chassis manufactured in the US are in high demand and available build slots are limited. As a result, staff were not able to place an order for the truck at the beginning of 2022 due to limited build slots for both truck chassis and garbage body. By the time an order was possible in mid-2022, there was a significant price increase(\$30k) for both the chassis and garbage body and staff decided to re-evaluate options to ensure that the truck that was originally specified was still the best option.

Since mid-2022, other feasible options for a lower cost truck or configuration have not proven available and costs have continued to escalate for this truck. Staff are not able to place an order for the truck without sufficient approved budget.

A current quotation (October 18, 2023) and cost estimate for the Public Waste Collection Vehicle is outlined below:

Item	Cost
Chassis and garbage body	\$360,000
Auto-grease system (Fleet requirement)	\$15,000
Tax	\$26,250
Sub Total for Truck	\$401,250
Contingency and project management	\$23,750
Total for Truck	\$425,000

The intended use of this specialized vehicle is to provide improved staff safety, provide more efficient public waste collection, support the curbside collection programs like glass recycling, and be used a spare truck to support the other curbside programs when required. The truck specification is based on the following criteria:

Driver/Operator safety

- Factory Installed dual steer – The conventional cab is modified to add a stand-up right hand drive station minimizes risk with traffic.
- Improved ergonomics - low entry height for the driver/swamper when using right hand drive position while collecting public waste or curbside glass.
- Low hopper sill height - the tailgate loading area is 5 inches below the chassis frame to reduce operator's injuries and increase productivity.
- Cart tipper - Minimize exposure and handling of garbage when dumping carts from the public waste cans.

Service efficiency improvements

- Higher gross vehicle weight (GVW) – operator will be able to complete entire public waste route before having to dump truck.
- Higher volume capacity – truck will be better suited to carrying bulky loads when required.
- Vehicle can be taken directly to transfer facility to dump rather than waste being transferred at the public works yard site. Staff currently double handle collected wastes.

- Support curbside collection in multi-family townhome locations if there is occasional missed collections.
- Higher payload which will better support the curbside glass collection program requiring less trips to transfer collected glass at the Public Works yard.

Customer Service Improvements

- Support curbside collection in multi-family town home locations with missed collections allowing the dedicated trucks to stay on route versus pulling off to collect the missed carts.
- Support collection in multi-family/town house locations where it is difficult to operate the full-size garbage trucks due to tighter road allowances.

In particular, as new developments (particularly townhomes which are serviced by City garbage carts) in Port Moody are becoming increasingly compact, the City's full size trucks are not able to efficiently or sometimes safely navigate them. This has led to compromises in service such as requiring carts to be pulled all the way out to the street, or in some cases, the City needing to decline providing service and such townhouses requiring a private contractor. In addition to the public waste collection, and glass collection benefits, this truck will improve the City's ability to service an increasing number of customers in more compact developments.

Other Option(s)

Staff could explore additional options and report back at the direction of the Finance Committee.

Financial Implications

Additional project funding of \$155,000 would come from the Equipment Replacement Reserve. Future Solid Waste Operating budgets will incorporate the increased replacement provision.

Communications and Civic Engagement Initiatives

No communications and civic engagement initiatives are required.

Council Strategic Plan Objectives

Receiving additional funding for the purchase of one dedicated public waste truck will improve staff safety, service efficiency, and customer service which supports Council's Strategic Plan objective of Sustainable Core Services.

Attachment(s)

1. Public Waste Truck – Driver side.
2. Public Waste Truck – Stand-up Driver Position.
3. Public Waste Truck – Mini Rear Load Garbage Body.

Report Author

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Report Approval Details

Document Title:	Request for Additional Funding for the Purchase of One Public Waste Collection Vehicle (SO22011).docx
Attachments:	- Attachment 1 - Public Waste Truck – Driver side.pdf - Attachment 2 - Public Waste Truck – Stand-up Driver Position.pdf - Attachment 3 - Public Waste Truck – Mini Rear Load Garbage Body.pdf
Final Approval Date:	Nov 16, 2023

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

Jeff Moi, General Manager of Engineering and Operations - Nov 10, 2023

Stephanie Lam, City Clerk and Manager of Legislative Services - Nov 14, 2023

Natasha Vander Wal, Communications Specialist, for Lindsay Todd, Manager of Communications and Engagement - Nov 15, 2023

Paul Rockwood, General Manager of Finance and Technology - Nov 15, 2023

Tim Savoie, City Manager - Nov 16, 2023