



City of
Peterborough

To: **Members of the General Committee**

From: **Cynthia Fletcher**
Commissioner Infrastructure and Planning Services

Meeting Date: **May 11, 2020**

Subject: **Report IPSENG20-004**
Budget Amendment for the Procurement of 3 Tandem Axle
Side Loader Waste Collection Units

Purpose

A report to recommend a Capital Budget amendment for the Procurement of 3 Tandem Axle Side Loader Waste Collection Units to support the Source Separated Organics program.

Recommendations

That Council approve the recommendations outlined in Report IPSENG20-004, dated May 11, 2020 of the Commissioner of Infrastructure and Planning Services, as follows:

- a) That the Capital Budget for Fleet Replacement and Enhancement (Ref. 5-14.01) be increased in the 2020 budget for the Procurement of 3 Tandem Axle Waste Collection Units in the amount of \$990,000.00; and
- b) That the \$990,000 required to support the procurement of 3 Tandem Axle Waste Collection units be funded from the Fleet Reserve Fund.

Budget and Financial Implications

The expenditure of \$990,000 will result in an uncommitted balance of \$2,325,446.00.

Background

On September 23, 2019 Council approved Report IPSES19-010 - Peterborough Organics Project and the Low Carbon Economy Fund, to execute the Transfer Payment Agreement for Federal funding to support a Source Separated Organics (SSO) Program for the City of Peterborough. Contained within this funding opportunity was a component related to future fleet acquisitions required to implement a curbside SSO program. This approval solidified the future waste collection model for the City. Public Works intends to commence fleet replacement of 3 tandem axle side loaders as proposed. The 2020 budget was prepared prior to confirmation of the funding for the SSO program and the development of a fleet acquisition model for the program. Public Works staff worked with City colleagues to develop a fleet acquisition model as set out in Chart 1.

Fleet Acquisition Model for Separated Source Organics Program

Chart 1

YEAR	EXISTING & NEW UNITS	REPLACEMENT VALUE	FLEET TYPE AND TOTAL
2019	(5) 2009 SIDE LOADERS (1) 2010 SIDE LOADERS (1) 2011 SIDE LOADERS (1) 2013 SIDE LOADERS (1) 2013 REAR LOADER (2) 2014 SIDE LOADERS		10 SIDE LOADERS 1 REAR LOADER 11 SANITATION UNITS
2020	(1) 2010 SIDE LOADERS (1) 2011 SIDE LOADERS (1) 2013 SIDE LOADERS (1) 2013 REAR LOADER (2) 2014 SIDE LOADERS (3) 2020 SIDE LOADERS (NEW) (2) 2020 CO-COLLECTION (NEW)	3 X 330,000 = 990,000 2 X 370,000 = 740,000	8 SIDE LOADERS 1 REAR LOADER 2 CO-COLLECTION 11 SANITATION UNITS
2021	(1) 2010 SIDE LOADERS (1) 2011 SIDE LOADERS (1) 2013 SIDE LOADERS (1) 2013 REAR LOADER (2) 2014 SIDE LOADERS (3) 2020 SIDE LOADERS (2) 2020 CO-COLLECTION		8 SIDE LOADERS 1 REAR LOADER 2 CO-COLLECTION 11 SANITATION UNITS
2022	(1) 2013 REAR LOADER (2) 2014 SIDE LOADERS (3) 2020 SIDE LOADERS (2) 2020 CO-COLLECTION (3) 2022 CO-COLLECTION (NEW)	3 X 370,000 = 1,110,000	5 SIDE LOADERS 1 REAR LOADER 5 CO-COLLECTION 11 SANITATION UNITS
2023	(1) 2013 REAR LOADER (Replace-2024) (3) 2020 SIDE LOADERS (2) 2020 CO-COLLECTION (3) 2022 CO-COLLECTION (3) 2023 CO-COLLECTION (NEW)	3 X 370,000 = 1,110,000	3 SIDE LOADERS 1 REAR LOADER 8 CO-COLLECTION 12 SANITATION UNITS

The current fleet makeup for waste collection vehicles are 10 single stream tandem axle side loaders and 1 single stream single axle rear loader. The new fleet makeup model proposed for the 2023 SSO roll out will be 3 single stream tandem axle side loaders, 8 dual stream (co-collection) tandem axle side loaders and 1 single stream single axle rear loader vehicle. The 3 single stream tandem axle side loaders are not included in the funding model as they are existing fleet replacements and, therefore, a separate procurement, as recommended in this report, is required. The procurement of the other 2 new dual stream (co-collection) tandem axle side loaders shown under 2020 in the above fleet acquisition model (Chart 1) will commence in late 2020 or early 2021 and will be funded from the SSO program.

Climate Change

Staff continue to review opportunities to source alternate fuel vehicles. At present, the available vehicles to be purchased do not have alternate fuel options that meet the power and service requirements. Should such a vehicle become available in the future, the City can alter the specification for future purchases of this type of vehicle.

Summary

This report recommends the procurement of 3 Tandem Axle Waste Collection Units to support the Source Separated Organics program. Upon approval of this report Public Works will expedite the procurement process in order to meet the timelines as proposed in the approved funding model.

Submitted by,

Cynthia Fletcher,
Commissioner of Infrastructure and Planning Services

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