
TO: Mayor J. Lehman and Members of Council

FROM: K. Bradley, B.A., MLA, Manager of Parks & Forestry

NOTED: D. Friary, Director of Roads Parks and Fleet
R. J. Forward, MBA, M.Sc., P. Eng., General Manager of Infrastructure & Growth Management
Carla Ladd, Chief Administrative Officer

RE: Downtown Barrie Cigarette Receptacles

DATE: February 13th, 2016

The purpose of this memorandum is to respond to the 2017 Business Plan enquiry from Council regarding the control of cigarette waste in the City's downtown.

Staff in the Roads, Parks and Fleet Department (RPF) completed an initial investigation this week, including reviewing the actions by other Business Improvement Areas and municipalities regarding this issue, and have prepared three options that are presented below for Council's information.

Option 1 – Include in Dunlop Street East Corridor Improvements – Toronto to Mulcaster Project

Staff in RPF consulted with the Engineering staff managing the noted Dunlop Street Reconstruction project, and it is agreed that it would be practical to defer this item and design/install the units as part of the future streetscape furnishing system forming part of the reconstruction project. Typically this type of unit is selected as one element of a broader street furnishing program that includes benches, bollards, light fixtures, planters, etc. to create a cohesive streetscape and to identify optimal locations based on pedestrian movement and gathering areas.

The recommended 2017 Business Plan provides project timing and phasing as follows:

- Detailed design was initiated in 2016 and will continue in 2017
- Utilities in 2021 and 2022
- Construction in two phases in 2023 and 2024

Option 2 – Proceed to Install Standard Ground-mounted Cigarette Receptacles

This is a standard method of responding to cigarette waste issues in downtown cores with most street furnishing companies (e.g. DuMor, Maglin, Trystan) manufacturing one or more ash urn/cigarette receptacle models. As per above, typically the unit is selected as one element of a broader street furnishing program. The costs to supply of the receptacles ranges from \$500 to \$900 per unit. The costs for the delivery and installation (i.e. typically fastened with a threaded rod to a poured concrete footing) would be in addition and would be expected to be in the \$100s per unit. Staff estimate minimum of (20) units would be required to be effective. Supply and installation of receptacles may cost upwards of \$20,000. Receptacles may also need to be moved from time to time based on the installation of patios.

The units would need to be emptied and cleaned regularly with staff estimating two to three times a week given the unsanitary nature of the receptacles, especially when they become wet with snow or rain. It should also be noted that these units often require frequent replacement, with other municipalities budgeting to replace an estimated 10% of the units per year replaced due to vandalism, fire, damages. The cost to maintain these units would be included in the cost calculation for the improved Downtown

street cleaning amendment for the summer months (May 1 to August 31), but is not currently calculated to service these through the fall and winter months. It is estimated that an additional annual cost for staff time would be \$11,000 bringing the total cost if approved of the amendment to \$63,300.

Option 3 – Research Cigarette Waste Recycling Pilot Project

A recent alternative to the ground-mounted cigarette receptacle is being piloted in major cities such as Vancouver and Toronto. Through a partnership with a private firm, TerraCycle in these examples, the municipality, and the BIA(s) jointly manage and monitor a pilot program whereby this waste is collected but also recycled versus the typical approach of treating it as waste that ultimately goes to a landfill. Contrary to common belief, cigarette filters are not biodegradable. The filters are made from cellulose acetate which never lose their toxicity and can poison essential links in the aquatic food chain.

Through the pilot program, TerraCycle supplies pole-mounted receptacles made of recycled material that are clearly signed (see picture below), and cover costs related to installation, emptying receptacles, maintenance, and collection and processing of waste, and evaluation.



These pilots are being evaluated as a model for other municipalities and with regular evaluation conducted with the partners to determine whether to:

- Keep the receptacles in their piloted locations permanently
- Explore expanding the network of receptacles to additional areas of the city

Please do not hesitate to contact Dave Friary at extension 4848 or the author at extension 4825 if you need any further information.