

ENVIRONMENT COMMITTEE

*HIS WORSHIP, THE MAYOR
AND COUNCILLORS*

SUBJECT: ZERO WASTE CHALLENGE

RECOMMENDATIONS:

1. THAT Council authorize staff to prepare amendments to the Solid Waste Bylaw to incorporate the new recycling regulations approved by Metro Vancouver under the Zero Waste initiative.
2. THAT Council approve the allocation of \$210,000 from Gaming Fund account to cover the cost of purchasing additional recycling receptacles for the implementation of the new recycling regulations.

REPORT

The Environment Committee, at its Open meeting held on 2007 November 13, received and adopted the *attached* report outlining the new recycling regulations adopted by Metro Vancouver Board and proposing a City strategy in response to the new regulations.

The Committee noted that Metro Vancouver is advancing new regulations to come into effect on January 01, 2008 to divert more recyclables away from the waste stream. One of the immediate action items under the new regulations includes placing a ban at all Metro Vancouver waste transfer and disposal facilities on the disposal of yard and garden waste, materials collected at municipal curb side recycling programs and materials for which provincially mandated product stewardship exists. In addition, there will be a reduction in tolerance level for banned materials to zero percent for household hazardous waste materials and 5 percent for all other banned materials in any load delivered to the Metro Vancouver transfer and disposal facilities. A 50 percent surcharge on the tipping fee will be applied to waste loads delivered to the Metro Vancouver facilities that are found to contain banned materials in excess of the tolerance level. In order to support the Zero Waste Challenge and new regulations adopted by Metro Vancouver Board, an amendment to Burnaby's Solid Waste Bylaw is required to prohibit placement of recyclable materials in the residential and commercial waste stream.

<p>:COPY – CITY MANAGER DIRECTOR PLANNING & BUILDING DIRECTOR ENGINEERING DIR. PARKS, REC. & CULTURAL SERV.</p>

To: His Worship, the Mayor and Councillors
From: Environment Committee
Re: Boulevard Tree Management
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In anticipation of increased diversion of recyclable material from the waste stream particularly yard waste materials from the multi-family and commercial sectors, the Environment Committee requested that Council authorize the purchase of additional containers and totes to meet the expected demands from Burnaby residents and business owners. The cost of acquiring the additional totes and containers is estimated to be \$210,000 including GST. It is recommended that an allocation of \$210,000 from the Gaming Fund account be approved to finance the acquisition of the recycling containers.

Respectfully submitted,

Councillor Dan Johnston
Chair

Councillor Pietro Calendino
Vice Chair

Councillor Lee Rankin
Member

TO: CHAIR AND MEMBERS
ENVIRONMENT COMMITTEE

DATE: 2007 October 25

FROM: DIRECTOR ENGINEERING

FILE: 36600-01

SUBJECT: ZERO WASTE CHALLENGE

PURPOSE: To inform the Committee and Council of the new recycling regulations adopted by Metro Vancouver Board and to outline a City strategy in response to the new regulations.

RECOMMENDATION:

1. **THAT** the Committee recommend Council to:
 - a) Authorize staff to prepare amendments to the Solid Waste Bylaw to incorporate the new recycling regulations approved by Metro Vancouver under the Zero Waste initiative;
 - b) Approve the allocation of \$210,000 from Gaming Fund account to cover the cost of purchasing additional recycling receptacles for the implementation of the new recycling regulations.

REPORT**1.0 INTRODUCTION**

In 1995, the Province approved the regional Solid Waste Management Plan developed by the GVRD and its member municipalities to reduce the amount of solid waste sent to landfills within the region and to ensure that the residual materials are managed responsibly. The Plan includes commitments targeted at the federal, provincial and municipal governments and resulted in the region reducing its per capita disposal rate by 50 percent compared to 1990 baseline levels. While this has been a significant achievement, additional recyclable and compostable materials can be diverted from the waste disposal facilities.

A 2004 Waste Composition Study undertaken by the GVRD showed that approximately 7% of the waste stream consists of cardboard, newsprint and office paper which have been banned from disposal at the GVRD solid waste facilities. In addition, a further 10% of waste consists of yard waste, beverage and food containers, some other paper types and certain household hazardous waste materials for which recycling or stewardship

To: *Environment Committee*

From: *Director Engineering*

Re: *Zero Waste Challenge*

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programs are already in place. Together these categories represent approximately 150,000 tonnes of waste going to disposal each year.

This report is to inform Council of the “Zero Waste Challenge” adopted by Metro Vancouver Board recently on further diversion of recyclables from the waste stream and to outline a strategy for the implementation of the new regulations stipulated under the “Zero Waste Challenge” initiative.

2.0 **BACKGROUND ON “ZERO WASTE CHALLENGE”**

The “Zero Waste Challenge” adopted by the Metro Vancouver Board on May 26, 2006 is a step towards updating the Solid Waste Management Plan for the region. The goals of the Zero Waste Challenge are to:

- minimize waste generation in the region; and
- maximize reuse and recycling, as well as energy recovery from solid waste.

While the long term Zero Waste goals, strategies and actions will be finalized during the Solid Waste Management Plan review in 2008, Metro Vancouver is advancing new regulations to come into effect on January 1, 2008 to divert more recyclables away from the waste stream.

One of the immediate action items under the new regulations include placing a ban at all Metro Vancouver waste transfer and disposal facilities on the disposal of yard and garden waste, materials collected at municipal curb side recycling programs and materials for which provincially mandated product stewardship exists. In addition, there will be a reduction in tolerance level for banned materials to zero percent for household hazardous waste materials and 5 percent for all other banned materials in any load delivered to the Metro Vancouver transfer and disposal facilities. A 50 percent surcharge on the tipping fee will be applied to waste loads delivered to the Metro Vancouver facilities that are found to contain banned materials in excess of the tolerance level. In order to support the Zero Waste Challenge and new regulations adopted by Metro Vancouver Board, an amendment to Burnaby’s Solid Waste Bylaw is required to prohibit placement of recyclable materials in the residential and commercial waste stream.

In anticipation of increased diversion of recyclable material from the waste stream particularly yard waste materials from the multi-family and commercial sectors, the City will need to acquire additional containers and totes to meet the expected demands from Burnaby residents and business owners. The cost of acquiring the additional totes and containers is estimated to be \$210,000 including GST. These expenditures would be incurred in the future as the City’s recycling program continues to grow and are being advanced to 2007 in light of the new regulations adopted under the Zero Waste Challenge initiative. The fund required is not included in the 2007 Annual Capital Plan and it is recommended that an allocation of \$210,000 from the Gaming Fund account be approved to finance the acquisition of the recycling containers.

3.0 PROPOSED STRATEGY IN RESPONSE TO THE NEW RECYCLING REGULATIONS AND DISPOSAL BANS

3.1 Communication

In responding to the “Zero Waste Challenge” adopted by Metro Vancouver, the following communication strategy will be deployed to inform Burnaby residents and business owners regarding new recycling and disposal bans beginning January 01, 2008.

Media	Timeline	Comments
Newspaper Ads	November, 2007 to January 2008.	There will be at least two ads placed per month.
InfoBurnaby	October/November 2007; January 2008; May, 2008;	Follow-up articles will be placed on successes and challenges noted upon implementation.
City Website	October/November	Information on the website will be updated regularly with responses to frequently asked questions.
Garbage Truck Signs	November, 2007 – January 2008.	Signs will be mounted on sides of trucks.
Posters	November, 2007 to February, 2008	Placed at all civic facilities.
Pamphlets	December 2007	Information pamphlets for multi-family residents and business owners.
2008 Garbage Calendar	December 2007	A “cut off” section will be included in the calendar to remind about removal of recyclable from garbage.

The effectiveness of the proposed communication strategy will be re-evaluated in spring 2008 to determine any additional information that may be required. Metro Vancouver has

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Re: Zero Waste Challenge

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initiated communication with private haulers regarding the upcoming changes as a part of their regional communication process.

3.2 City Solid Waste Bylaw

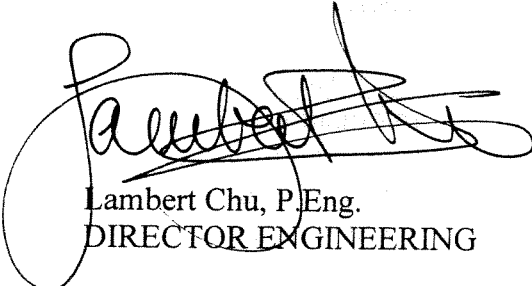
The current City Solid Waste Bylaw will need to be amended to include the new recycling regulations and disposal bans. It is recommended that staff be authorized to prepare the necessary amendments for Council's consideration and approval.

3.3 Purchasing of Additional Recycling Toters and Containers

With the implementation of the new regulations on January 1, 2008, it is expected that there will be an increase in demand for recycling and composting toters/containers from Burnaby's waste collection customers especially in the multi-family and business sectors. In order to meet the expected demands, it is recommended that \$210,000 be allocated from the Gaming Fund account to cover the cost of the one-time purchase.

4.0 CONCLUSION

The 1995 GVRD Solid Waste Management Plan has resulted in the region reducing its per capita disposal rate by 50 percent compared to 1990 baseline levels. The "Zero Waste Challenge" adopted by Metro Vancouver Board recently is a step towards updating the existing Solid Waste Management Plan for the Vancouver region. Arising from the approval of the "Zero Waste Challenge", the Board has adopted new regulations on disposal bans which will come into effect on January 1, 2008. In supporting the regional initiative and promoting more recycling within the City, it is recommended that the proposed strategy as outlined in Section 3.0 in this report be approved by the Committee and Council.



Lambert Chu, P.Eng.
DIRECTOR ENGINEERING

DD:

Copied to: City Manager
Director Finance
City Solicitor