

**ENVIRONMENT COMMITTEE**

*HIS WORSHIP, THE MAYOR  
AND COUNCILLORS*

**SUBJECT: PACKAGING AND PRINTED PAPER RECYCLING PROGRAM  
TRANSITION**

**RECOMMENDATION:**

1. THAT Council authorize staff to proceed with separate collection of glass from residential and multi-family properties serviced by the City, as outlined in Section 2.1 of this report.

**REPORT**

The Environment Committee, at its meeting held on 2014 May 13, received and adopted the *attached* report providing an update on the Packaging and Printed Paper Recycling Program and seeking Council's approval on the proposed approach to collect glass from residential curbside and multi-family properties serviced by the City.

Respectfully submitted,

Councillor D. Johnston  
Chair

Councillor A. Kang  
Vice Chair

Councillor N. Volkow  
Member

Copied to:	City Manager Director Engineering Director Finance City Solicitor
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**TO:** CHAIR AND MEMBERS  
ENVIRONMENT COMMITTEE

**DATE:** 2014 May 07

**FROM:** DIRECTOR ENGINEERING

**FILE:** 36600 01

**SUBJECT: PACKAGING AND PRINTED PAPER RECYCLING PROGRAM  
TRANSITION**

**PURPOSE:** To provide an update on Packaging and Printed Paper Recycling Program and seek the Committee and Councils approval on the proposed approach to collect glass from residential curbside and multi-family properties serviced by the City.

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**RECOMMENDATION:**

1. **THAT** the Committee recommend Council to authorize staff to proceed with separate collection of glass from residential and multi-family properties serviced by the City as outlined in Section 2.1 of the report.

**REPORT**

**1.0 INTRODUCTION**

The City, as part of its comprehensive integrated solid waste and recycling program, provides multi-sector based service to single and two family households, multi-family properties and commercial, institutional and civic facilities in Burnaby.

As of 2014 May 19, Multi-Material BC (MMBC), an industry lead and funded non-profit organization will assume the responsibility of managing *residential* packaging and printed paper (PPP) recycling on behalf of the producers, and the City will become a service provider for MMBC on a contract basis for the purposes of collecting PPP materials from residential curbside, multi-family properties and Eco-Centre.

The following report provides an update on Packaging and Printed Paper Recycling Program and seeks the Committee and Councils approval on the proposed approach to collect glass from residential curbside and multi-family properties serviced by the City.

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## **2.0 PACKAGING AND PRINTED PAPER RECYCLING PROGRAM TRANSITION**

While the MMBC program will result in acceptance of additional materials for recycling, it will require changes to the City's business process.

### **2.1 Collection of Glass from Residential Curbside and Multi-Family Properties Serviced by City**

Currently, glass is collected with plastic and metal containers in the blue box at residential curbside. In moving forward with the MMBC program, newspaper and mixed paper will be allowed to be co-mingled but glass will have to be separated before being collected.

Staff has looked at various collection options in complying with the MMBC requirements and recommend the following for the Committee and Council's consideration:

#### **2.1.1. Residential Curbside**

For recycling, the City currently provides curbside residents with:

- blue bag for newspapers;
- yellow bag for mixed papers; and
- blue box for plastics, metal and glass collection.

In complying with MMBC requirements, it is proposed that the City:

- replace the blue bag and yellow bag with one large yellow bag appropriately marked for newspaper and mixed paper collection;
- maintain the blue box for plastics and metals, and additional materials accepted under the MMBC program (see Attachment #1); and
- provide a grey 6 gal. container appropriately marked for glass collection only.

#### **2.1.2 Multi-Family**

For recycling, each building complex serviced by the City is provided with:

- blue 95 gal. toter(s) for newspaper;
- yellow 95 gal. toter(s) for mixed paper; and
- grey 95 gal. toter(s) for mixed containers (plastic, metal, glass).

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In complying with MMBC requirements and to be consistent with the recycling container colour scheme, it is proposed that the City:

- use the yellow 95 gal. toter(s) for newspaper and mixed paper;
- place a 'mixed containers' sticker on the blue 95 gal. toter for mixed containers (plastic, metals and additional materials accepted under the MMBC program); and
- place a 'Glass Only' sticker on the grey 95 gal. toter(s) for separate glass collection.

Staff will seek separate approval from Council for interim funding to purchase and deliver yellow bags, containers and 'Glass Only' / 'Mixed Containers' stickers to residents in fall 2014 as the PPP revenues from MMBC will only begin to be received on a monthly basis starting mid to late July 2014.

## 2.2 Delivery of PPP Materials to Post-Collection Service Provider

Currently, the recyclable materials collected from residential curbside and multi-family properties serviced by the City are taken to the Eco-Centre and weighed. The materials are subsequently loaded onto containers and trucked out by Cascades Recovery Inc., the City's processor, to its facilities for processing and marketed on behalf of the City in accordance with the City agreements. The City's current contract with Cascades Recovery Inc. ends on 2014 May 20. However, the contract allows for six (6) one month extensions.

On 2014 February 27, MMBC announced that it has selected Green By Nature EPR (GBN) to manage the processing and marketing of approximately 185,000 tonnes of packaging and printed paper material collected from curbside households, multi-family buildings and depots across the province. GBN will engage more than 20 subcontractors to be part of the integrated province-wide MMBC post-collection system. GBN is founded by Cascades Recovery, Emterra Environmental and Merlin Plastics.

As such, as of 2014 May 19, the responsibility for processing and marketing PPP materials collected at residential curbside, multi-family properties serviced by the City and the PPP materials dropped off by residents at the City's Eco-Centre will reside with MMBC. The City's responsibility will be to arrange for or transport the collected PPP materials to MMBC designated processing facility.

In early April, MMBC informed the City that the designated processor for the City's PPP material is Cascades Recovery Inc. Given this, staff has prepared an RFP for transportation of residential PPP from the Eco-Centre to Cascades Recovery in Surrey. A separate report will be forthcoming to Council to award this work. In the interim, the current contract with Cascades Recovery Inc. has been extended on month by month basis until the City retains a separate contractor to transport the PPP material to Cascades Recovery Inc. facilities.

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### 2.3 Education and Outreach

Staff will be updating the City's website to inform the residents about additional materials accepted under the MMBC program as of 2014 May 19. Upon receiving Committee and Council's approval on the proposed approach to collect glass from residential curbside and multi-family properties serviced by the City, the City's website will be updated to inform the residents to continue placing glass in the blue box until a separate container for glass collection is provided to them in fall of 2014. This information will also be mailed to the residents.

For the Committee and Councils information, a separate communications plan will be developed and implemented for the delivery of the yellow bags, grey 6 gal. container for glass and 'Glass Only' / 'Mixed Containers' stickers for multi-family residents serviced by the City.

### 3.0 CONCLUSION

As of 2014 May 19, MMBC will assume the responsibility of managing residential PPP recycling on behalf of the producers. The City will become a service provider for MMBC on contract basis for the purpose of collecting PPP materials from residential curbside, multi-family properties and Eco-Centre. While the MMBC program will result in acceptance of additional materials for recycling, it will require changes to the City's business process. One of the changes relates to how glass is collected from residential properties. Subject to Committee and Council approval, it is proposed that glass be collected in a separate container at the residential curbside and that specific totes be assigned for collection at multi-family properties serviced by the City. As a part of education and communication, residents will be informed of the upcoming changes via the City's website and direct mail.



Leon A. Gous, P.Eng., MBA  
Director Engineering

DD:br/jb

Attachment

Copied to: City Manager  
Director Finance  
City Solicitor

# MMBC Packaging and Printed Paper Recycling Program: Consolidated List of Accepted Materials for Collector Reference

Note to collector:

Below is a list of materials that are accepted and not accepted in MMBC's packaging and printed paper recycling program using resident-friendly language and consolidated into collection categories. You may wish to use this information in your resident education materials. The 'Please Recycle' column contains examples of accepted items, the 'Do NOT include' column contains examples of materials that are not accepted, and the 'Please remember to' column contains instructions for residents on how to prepare the items for collection. We will be using this language on MMBC resident communications starting in April.

Should you have any questions about this document, please contact Sarah Stephen, MMBC's communications manager at [sstephen@multimaterialabc.ca](mailto:sstephen@multimaterialabc.ca) or 778-588-9505.

## PAPER RECYCLING

Please recycle:	Do NOT include:	Please remember to:
✓ Newspapers, inserts, flyers, catalogues, magazines, telephone books	✗ Hardcover or paperback books; non-paper gift wrap, e.g. foil, ribbons or bows; musical greeting cards with batteries; padded envelopes; boxes with wax coatings, e.g., shipping boxes for groceries; foil lined bags, e.g., for cookies and some pet food; paper towel, napkins or tissues, rubber bands	• Place newspapers, inserts and flyers loose in box, not inside plastic or paper bags
✓ Household paper, paper gift wrap, greeting cards		• Flatten large corrugated boxes and tie in bundles no larger than 8" thick (20 cm) X 30" wide (78 cm) X 30" tall (78 cm); staples and tape accepted; place beside boxes/inside cart
✓ Corrugated cardboard		• Empty cardboard boxes of leftover food and plastic/paper liners; flatten boxes and place directly into the collection container, not inside a cardboard box
✓ Boxboard boxes		• Remove plastic wrap from cardboard flats
✓ Moulded boxboard, e.g., egg cartons, beverage carry-out trays		• Place shredded paper in a firmly-tied clear plastic bag (no opaque, coloured or black bags)
✓ Paper bags that have single and multiple paper layers, e.g., pet food bags		• <a href="#">No multi-layer bags with a foil layer</a>
✓ Shredded paper		

# MMBC Packaging and Printed Paper Recycling Program: Consolidated List of Accepted Materials for Collector Reference

## CONTAINER RECYCLING

Please recycle:	Do NOT include:	Please remember to:
<ul style="list-style-type: none"> <li>✓ Paper hot and cold beverage cups, milk cartons, aseptic boxes and cartons, e.g., soups, sauces; frozen dessert boxes, e.g. ice cream</li> <li>✓ Microwavable bowls and cups</li> <li>✓ Metal cans and lids</li> <li>✓ Aerosol cans and caps</li> <li>✓ Spiral wound paper cans and lids</li> <li>✓ Aluminum foil wrap, aluminum take-out and baking containers</li> <li>✓ Plastic bottles, jugs and jars with caps and lids</li> <li>✓ Plastic clamshells, e.g., for baked goods, fruit, eggs; trays and tops; tubs and lids</li> <li>✓ Plastic cold drink cups and lids</li> <li>✓ Plastic garden plant pots and seedling trays</li> <li>✓ Plastic pails, e.g., for laundry detergent, ice cream, must be less than 25L</li> </ul>	<ul style="list-style-type: none"> <li>✗ Straws, non-paper insulating wraps</li> <li>✗ Foil-lined cardboard lids from take-out containers</li> <li>✗ No microwavable bowls with metal rims</li> <li>✗ Propane tanks or cylinders; steel or plastic paint cans; bottles for motor oil, vehicle lubricants or antifreeze wax-products; pails for lubricants and oils; aerosol cans with any contents remaining; aerosol cans with remaining contents of that contained paint, waxes, polishes, lubricating oils, solvents, insulating foam, pesticides, or hazardous waste marked with hazardous materials symbols such as for corrosives, poisons or flammable products (For information about how to dispose of the above materials, call the RCBC Hotline 1-800-667-4321 or check Recyclepedia)</li> <li>✗ Coat hangers; pots, pans or baking trays; metal or plastic toys; appliances; hardware or other scrap metal; wiring, metal cords or extension cords</li> <li>✗ Chip or foil bags; foil wrap with paper, e.g., butter, cigarettes; stand-up pouches; liquid absorbing pads; kitchen plastic wrap or stretch wrap for meat, poultry, fish or cheese; blister packs, e.g., plastic/foil protective packaging for chewing gum and pills; packaging labelled as biodegradable or compostable; ceramic pots; lawn edging, tarps, plastic furniture, garden</li> </ul>	<ul style="list-style-type: none"> <li>• Empty and rinse containers</li> <li>• Put metal lids inside cans and squeeze slightly</li> <li>• Recycle all caps and lids, e.g. for beverage cups, bottles, jars, tubs and aerosol cans; place caps loose in (box/cart)</li> <li>• Take deposit beverage containers to Return-It Depot for refund</li> </ul>

# MMBC Packaging and Printed Paper Recycling Program: Consolidated List of Accepted Materials for Collector Reference

	hoses; string or rope ✗ Pails larger than 25L	
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# MMBC Packaging and Printed Paper Recycling Program: Consolidated List of Accepted Materials for Collector Reference

## GLASS BOTTLES AND JARS RECYCLING

*If collected curbside; separate box in both two-stream and single stream, e.g., not commingled with paper and containers in single stream or with containers in multi-stream*

<b>Please recycle:</b> ✓ Clear and coloured non-deposit glass bottles and jars	<b>Do NOT include:</b> ✗ Drinking glasses; dishes; cookware; whole or broken window glass or mirrors; ceramic products	<b>Please remember to:</b> <ul style="list-style-type: none"> <li>• Empty and rinse containers</li> <li>• Recycle lids; place loose in box</li> <li>• Take deposit beverage containers to Return-It Depot for refund</li> </ul>
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# MMBC Packaging and Printed Paper Recycling Program: Consolidated List of Accepted Materials for Collector Reference

**RECYCLE AT DROP-OFF DEPOTS ONLY: Plastic bags and overwrap, plastic foam, and glass if it is not included in curbside program**

## PLASTIC BAGS AND OVERWRAP

<p><b>Please recycle:</b></p> <ul style="list-style-type: none"> <li>✓ Plastic bags and overwrap, e.g., clear or opaque plastic bags for groceries, dry cleaning, bread, newspapers and flyers; clear bags for produce and dry bulk foods; frozen vegetable bags; pre-washed salad bags; outer bags for diaper and feminine hygiene products; outer wrap for paper towels, tissues and other bulk paper products and soft drink can flats; water softener, salt, wood pellet and garden product bags; overwrap on mattresses, furniture and electronic equipment</li> </ul>	<p><b>Do NOT include:</b></p> <ul style="list-style-type: none"> <li>✗ Crinkly cellophane wrap, e.g. for tea, floral arrangements; kitchen plastic wrap or stretch wrap for meat, poultry, fish or cheese; zipper-lock bags; potato chip or snack bags; plastic shipping envelopes; plastic bags labelled biodegradable or compostable; multi-layer or laminated plastic packaging, e.g. for bacon, deli meats, cheese slices etc.; plastic bubble packaging; lumber or construction wrap</li> </ul>	<p><b>Please remember to:</b></p> <ul style="list-style-type: none"> <li>• Empty bags of paper receipts and food residue</li> <li>• Cut off or remove metal grommets, rope drawstrings and non-plastics items from plastic bags</li> <li>• Stuff all plastic bags into one bag and tie handles firmly</li> </ul>
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## PLASTIC FOAM

<p><b>Please recycle:</b></p> <ul style="list-style-type: none"> <li>✓ Plastic foam containers, trays for food and cushion packaging used to protect electronics, small appliances, etc.</li> </ul>	<p><b>Do NOT include:</b></p> <ul style="list-style-type: none"> <li>✗ Packing chips or peanuts or foam noodles</li> <li>✗ Blue or pink foam board insulation</li> </ul>	<p><b>Please remember to:</b></p> <ul style="list-style-type: none"> <li>• Remove labels, tape, paper and cardboard from foam cushion packaging</li> <li>• Separate colour and white plastic foam</li> </ul>
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# MMBC Packaging and Printed Paper Recycling Program: Consolidated List of Accepted Materials for Collector Reference

## GLASS BOTTLES AND JARS where not included in curbside program

Please recycle:	Do NOT include:	Please remember to:
<ul style="list-style-type: none"> <li>✓ Clear and coloured non-deposit glass bottles and jars</li> </ul>	<ul style="list-style-type: none"> <li>✗ Drinking glasses; dishes; cookware; whole or broken window glass or mirrors; ceramic products</li> </ul>	<ul style="list-style-type: none"> <li>• Empty and rinse containers</li> <li>• Recycle lids; remove from containers and deliver to depots loose</li> <li>• Take deposit beverage containers to Return-It Depot for refund</li> </ul>