

Appendix B – 2018 Update on Recycling Box Covers

Table 1: Municipalities Currently Using Recycling Blue Box Covers

Municipality	Manufacturer/ Cover Type	No. Covers in Use	Completed Studies/ Pilots	Method of Purchase	Additional Comments
Oxford County (population: 110,862)	<ul style="list-style-type: none"> - Peninsula Plastics - Hard plastic cover - Fits 16 and 22 gallon boxes 	~500	Informal pilot – a report will not be completed	<ul style="list-style-type: none"> - The covers are sold at municipal offices only - Sold for \$1.50 each (price not subsidized) 	<ul style="list-style-type: none"> - Contractor has issues with covers not coming off - Some residents have complained about drivers throwing covers - Staff recommends that covers should be introduced at beginning of a new contract, as it will affect contract pricing and create operational issues, if introduced part way through an existing contract - County ordered 1,000 covers, but only 500 have been purchased
Richmond Hill (population: 201,125)	<ul style="list-style-type: none"> - Busch 32 gal. bin & cover 	<ul style="list-style-type: none"> - Covers available for all residents 	Pilot ran 6 months, ended in Nov. 2014	<ul style="list-style-type: none"> - Bins with lids available for \$39.95 - No warranty 	<ul style="list-style-type: none"> - Preliminary results indicate a 60% usage by pilot homes - Only 3 homes opted out - A survey will be given to all pilot homes at end of Nov. to determine which box and lid is preferred - After pilot, Town will deliver a box and lid to all homes, free of charge - Planning on offering lid separately for sale in 2019.

Municipality	Manufacturer/ Cover Type	No. Covers in Use	Completed Studies/ Pilots	Method of Purchase	Additional Comments
Simcoe County (population: 305,516)	<ul style="list-style-type: none"> - Orbis Canada - Hard plastic cover - Fits 22 gallon box 	Unknown but limited	No studies or pilots were completed	<ul style="list-style-type: none"> - Residents can purchase at the Simcoe County Administrative Centre for \$5.00 or from retail outlets - County subsidizes remaining amount, which is \$2 	<ul style="list-style-type: none"> - Make the lids available for sale, but not many lids have been purchased by residents. County does not advertise availability, reserve for escalated situations. - Will provide them for free, if necessary, for escalated issues to help defuse a situation
City of Greater Sudbury (population: 161,531)	<ul style="list-style-type: none"> - Busch Systems - "Big Blue" round 32 gal. blue can with cover (single stream) 	Unknown	Pilot study completed in 2008	<ul style="list-style-type: none"> - Can and cover are sold for \$10 at various City facilities and at 2 truckload sales in City - City subsidizes remaining amount, which is \$2.81 - Replacement lids sell for \$11.50 each (no subsidy) 	<ul style="list-style-type: none"> - The lids can break in extremely cold temperatures - Blue Boxes are still available for free, but have no cover
Ottawa Valley (Town of Petawawa: population 17,187) (Township of Laurentian Valley: population 9,387)	<ul style="list-style-type: none"> - VIP Group Enviroweb Mesh Nets 	Unknown	Unknown	<ul style="list-style-type: none"> - Available for sale at Ottawa Valley Waste Recovery Centre for \$6.00 and through municipalities for \$5.00. Also, sell at special events. 	-

Municipality	Manufacturer/ Cover Type	No. Covers in Use	Completed Studies/ Pilots	Method of Purchase	Additional Comments
(Pembroke: population 13,882)					

Table 2: Municipalities Which Considered Using Recycling Box Covers

Municipality	Reasons for Not Pursuing Recycling Box Covers
Town of Markham (population: 328,966)	<p>The Town decided not to provide recycling box covers for the following reasons:</p> <ol style="list-style-type: none"> 1) The contractor found the blue box covers unsuitable, as residents tended to overfill them and material would spill when cover was removed; and 2) In winter, the covers became sticky from residue and material would stick to them, especially if snowing and freezing. <p>The Town will also not be allowing residents to use blue bags for recycling, as the York Region Material Recovery Facility will not accept bags.</p>
Region of Peel (population: 1,382,000)	<p>The Region decided not to provide recycling box covers for the following reasons:</p> <ol style="list-style-type: none"> 1) The areas with the blue box covers had the highest collection time with an increase in up to 5 seconds per household, in comparison with a standard recycling box; 2) Improper use of netted recycling boxes including overloaded netted boxes; 3) Significant annual increase in collection costs for mesh nets and plastic bonnets (\$3.6 million); and 4) Covers were least favourite of three container type options (other two were 121 litre container and blue plastic bags) by collection staff. <p>The Region of Peel switched to a bi-weekly cart-based collection system as part of its new collection contract, which commenced in 2016.</p>
City of Kingston (population: 129,653)	<p>The City tested three types of covers in a 2013 pilot of 100 households:</p> <ol style="list-style-type: none"> 1) Peninsula Plastics snap-on cover, which can only be used with Peninsula Plastic brand recycling boxes; 2) The EnviroWeb mesh net, which can be used on most standard curbside recycling boxes; and 3) The KITEE fabric cover, produced by a local resident, which can be used on most standard curbside recycling boxes. <p>Based on the results of this pilot, it was determined that it would not be feasible to introduce the covers due to the extra time that would be added to collection routes and the potential for increased costs for collection. The City would not consider allowing covers as part of their next contract.</p>

Municipality	Reasons for Not Pursuing Recycling Box Covers
Region of Halton (population: 548,435)	<p>The Region considered doing a pilot project in 2010, but decided against it for the following reasons:</p> <ol style="list-style-type: none"> 1) The research the Region did on available covers at the time was not conclusive; and 2) The cost and time involved in doing a study was prohibitive. <p>Instead, the Region decided to focus on promotion and education measures to educate residents on how to avoid litter issues.</p>
City of Kawartha Lakes (population: 190,000)	<p>The City of Kawartha Lakes used to offer hard metal recycling box covers to residents for purchase for \$5. The City stopped offering this service as their supplier (Green Marketing Co.) for the hard metal covers stopped producing this product. The City of Kawartha Lakes noted that there was minimal interest from residents in purchasing these lids.</p>
County of Essex (population: 181,53)	<p>The County of Essex conducted a 3 month pilot project on 200 houses in the County and City. The pilot tested using the plastic, elasticized Bonnet to cover the Blue Box. The project was completed in 2008. At the time the product was not available by retail and cost approximately \$4.50 for a package of three. The County of Essex does not currently offer Blue Box covers or lids.</p>
Region of Durham (population: 645,862)	<p>In June of 2018, Region staff recommended a pilot project to reduce Blue Box related litter through a combination of education and the provision of additional bins to residents. Staff recommended against Blue Box lids for the following reasons:</p> <ol style="list-style-type: none"> 1) Blue box lids have not worked in the past as the lids come off and become part of the litter problem. 2) Attached lids present a pinch point hazard to recycling collectors 3) Mesh covers encourage residents to overfill boxes, leading to increased litter when the cover is removed by the collector and the compacted recycling falls out of the container.

Table 3 – Current Manufacturers of Recycling Box Covers

Product	Manu- facturer	Where	Cost/ Unit	Cover Description	Distribution e.g. On-line or Retail	Warranty	Extent of Use
Orbis Recycling Box Cover (NPL 254)	Orbis Corporation	Rexdale	\$2.55 plus freight and taxes (wholesale)	Solid plastic cover fits 12, 16, and 22 gal. Orbis boxes only	Package 25 per box available by order from manufacturer Lid for 16 gallon and 26 gallon container also available at Canadian Tire \$6.99	Direct from manufacturers - limited 12 month warranty to Purchaser (but not to purchasers of the product from the Purchaser) 1 year warranty through Canadian Tire	Simcoe County
Orbis Recycling Box Cover (NPL 266)	Orbis Corporation	Rexdale	\$3.60 plus freight and taxes (wholesale)	Solid plastic cover fits 18 gal. Orbis box only	Not available retail, only by order for packages 20 per box	Limited 12 month warranty to Purchaser (but not to purchasers of the product from the Purchaser)	None
Recycle Bin Bungee Cord & Cover	Orbis Corporation	Rexdale	Unavailable	Bungee cords that attach to container and fits a variety of sizes	No longer available through retailers Canadian Tire and Amazon Available through manufacturer	Unavailable	Unavailable
Recycling Bin Cover Net	Green-Net	Canada	\$13.99 plus tax (online)	Mesh net with 1/8 inch polypropylene elastized cord with snap fastener; snaps to bin and fits any shape medium sized container	Available online through Amazon.ca (\$13.99+tax and shipping) and Amazon.com (\$11.99 + tax and shipping)	Unavailable	Unavailable

Product	Manu- facturer	Where	Cost/ Unit	Cover Description	Distribution e.g. On-line or Retail	Warranty	Extent of Use
Busch Recycling Box Cover	Busch Systems	Barrie	14 & 16 gal. - \$5.00 18, 21 & 24 gal. - \$6.00 32 gal. - \$11.00 (wholesale)	Solid, hard plastic cover only fits Busch bins (i.e. 14, 16, 18, 21, 24, and 32 gal.)	Not available retail, only by order	1 year	Richmond Hill had a 6 month pilot of 469 homes for the 32 gal. bin, with cover. Sudbury, Petawawa, Pembroke are also using the 32 gal. bin and cover
PenPlast Recycling Box Cover	Peninsula Plastics Ltd.	Fort Erie	\$1.75- \$1.85 / unit (wholesale)	Vented or solid, hard plastic only fits 16 gal. and 22 gal. PenPlast container and is snapped on and off	Home Hardware at \$6.99 each	Dependent on contract (must purchase PenPlast recycling bins)	Currently distributed to Oxford County residents for \$1.50 each Richmond Hill had a 6 month pilot with 600 homes
VIP Distribution 2000 Inc. - Enviro Web	YY Everblooming International	China VIP Group distribut es from Vaughan	\$4.05/ unit (wholesale)	Nylon mesh	Not available retail or on-line; must contact company to place order	None	Used in Peel Region pilot, but Region did not go with them -Ottawa Valley Waste Recovery Centre sells them for \$6 each
Blue Box Cover	Unavailable	Orillia	\$9.99 (on-line price)	Unavailable	Available online only	None	Unavailable
Catch It- Caught It	Jeff Hyde	Water- down	\$4.99 plus tax (online)	Mesh fabric with bungee cord woven into edge	Available on Amazon.ca (\$4.99) and Amazon.com (\$6.98)	Unavailable	Unavailable

Table 4 - Manufacturers No Longer Making Recycling Box Covers

Product	Manufacturer	Where	Cover Description	Extent of Use
Blue Box Bonnet	Lowry Textile	Essex	<ul style="list-style-type: none"> - Light weight UV coated plastic cover with elastic band and plastic handle - No assembly required 	<ul style="list-style-type: none"> - Pilot in Town of Okotoks, Alberta - Used in Peel pilot, but Region did not go with them
Mack Cap	Lowry Textile	Essex	<ul style="list-style-type: none"> - Polyethylene plastic cover called 'blue box bonnet', 1.5ml thick, UV inhibitors, construction grade, - No assembly required: A grommet is placed over hole and then tied with a cord 	Used in Peel pilot, but Region did not go with them
Oscarnet	Oscarnet Inc.	China	<ul style="list-style-type: none"> - Three types of polypropylene cover available for garbage cans, blue boxes and green bin - No assembly required: Net is pulled over container and fastened together with a buckle, and then an elastic band is pulled tight to secure cover 	Unknown
Ranger Metal	Green Marketing Co.	Guelph	<ul style="list-style-type: none"> - Metal with a plastic coating - No assembly required – cover is placed over blue box and stays secure 	Currently only used in City of Kawartha Lakes
Green Net	Finalli	Alberta and Ontario	<ul style="list-style-type: none"> - Knitted polyester mesh cover with metal snap - Assembly required: The resident must drill a hole through the recycling box then affix the snap. The cover is then attached to the recycling box by securing the snap 	Not used in pilots

Product	Manufacturer	Where	Cover Description	Extent of Use
Recycle Net	NUCOVE	Nova Scotia and Ontario	<ul style="list-style-type: none"> - Stretchable polypropylene mesh cover with rigid plastic end pieces - Assembly required: One end piece is clamped on to one end of the recycling box with two clamps and screws. The other end piece is hooked under the lip at the other end of recycling box 	Used in Town of Markham pilot and distributed to rural residents, at no charge
Scepter Recycling Box Cover	Scepter	Scarborough	<ul style="list-style-type: none"> -Hard plastic lid -Fits Scepter box only. -Fits 59L and 90L containers 	Unknown