

87 John Street South  
Aylmer, Ontario  
N5H 2C3

Final Report: CIF Project # 447 - Township of Malahide  
Supply & Distribution of 22 Gallon Blue Boxes

---

Table 1: Project Summary

Municipality: Malahide	
Amount of CIF Grant	\$10,494
Number of 22 Gallon Blue Boxes approved	2905
Number of Blue Boxes distributed	2906
Dates delivered	May 28-30, 2012
Increased tonnage (7 month period following distribution)	98 tonnes, or 60% over same period in previous year

### Background

The Township of Malahide provides weekly curbside collection of recyclables to all its residential properties. The total number includes both multi-family and single family households. In 2012, 2904 households received curbside collection.

Collection service is a two-stream process under contract with Antonissen Trucking Inc.

To promote the recycling program and increase diversion rates, the Township provides/replaces blue boxes free of charge to residents.

### New Materials

On June 1, 2012 the Township of Malahide commenced a new recycling program. The Township now provides weekly curbside collection of the blue boxes, provided the second larger blue box to enable the two-stream recycling process. Through the agreement with the City of London's new Regional MRF the Municipality was able to expand the list of recyclable material to include the following additional recyclables:

### **Mixed Paper Fibres**

- Cardboard - including pizza & other corrugated boxes.
- Boxboard - including molded pulp & excluding waxed paperboard.

### **Mixed Containers**

- #3 PVC(Vinyl) - rigid household liquid, food or beverage containers.
- #4 LDPE(Low Density Polyethylene) - rigid household liquid, food or beverage containers.
- #5 PP(Polypropylene) - rigid household liquid, food or beverage containers.
- #6 PP (Polystyrene) - rigid household liquid, food or beverage containers, excluding expanded polystyrene (e.g. foam cups and meat trays).
- #7 Other Plastics - rigid household liquid, food or beverage containers.
- Polycoated Paperboard Containers - Containers made primarily of paperboard and coated with low density polyethylene and/or aluminum, and used for food and beverages. Includes gabletop (eg milk & juice containers) & drinking boxes.
- Spiral Wound {Cardboard} Cans - Composite {cardboard} cans with a single wrap rigid body involving several layers of materials {including paper, foil, and plastics} with at least one steel end {eg, frozen juice containers}.
- Steel- Empty paint cans, empty aerosol cans.

### **Promotion**

The new blue box program was promoted through a number of media options. Ads were in the local newspaper (The Aylmer Express, Lake Erie Beacon) as well as our Municipal website and Facebook. The Township of Malahide also worked with Central Elgin, and the Municipality of Bayham to provide a press release and newspaper ads to promote the improved recycling program.

Printed flyers and a fridge magnet were included in the blue boxes that were delivered door to door. These flyers were created together with the City of London, Municipality of Thames Centre, Municipality of Bayham, Central Elgin, Town of Aylmer, Township of Dutton Dunwich and the Township of Malahide. Attached is an example of this flyer.

Also attached to this report is a picture of the Township's display to promote the new recycling program at the Springfield Family Fun day.

### **Method of Distribution**

The new larger blue boxes were delivered door to door to residents by our Waste/Blue box collection contractor. Included in the blue boxes was material promoting and educating the residents about the new blue box program. The Township paid the contractor \$1.25 per blue box delivered. It took the contractor 3 days to deliver the blue boxes. They started on Monday, May 28<sup>th</sup>, and it was completed on Wednesday May 30<sup>th</sup>, 2012. Utilizing our waste/blue box collection contractor ensured that no one was missed. Therefore, the delivery went well with no major issues or complaints.

## Tonnage Results

The implementation of the Township of Malahide's new Waste Management Master Plan commenced on June 1, 2012. The Township does not have a full 12 month period of new data to compare tonnage results to previous year's totals. The Township of Malahide experiences seasonal fluctuations as Port Bruce has a large number of cottages that during the winter months are empty. Comparing June to December of 2012 to the same time period of 2011 we have experienced an increase in recycling tonnage. We have also experienced a decrease in garbage tonnage going to landfill with the implementation of a new bag tag program.

Table 2: Recycling Tonnage

	June	Jul	Aug	Sept	Oct	Nov	Dec	Total
2011	22	22	28	26	23	21	22	164
2012	42	39	40	34	37	37	33	262
Increase	20	17	12	8	14	16	11	98
% Increase	91%	77%	43%	31%	61%	76%	50%	60%

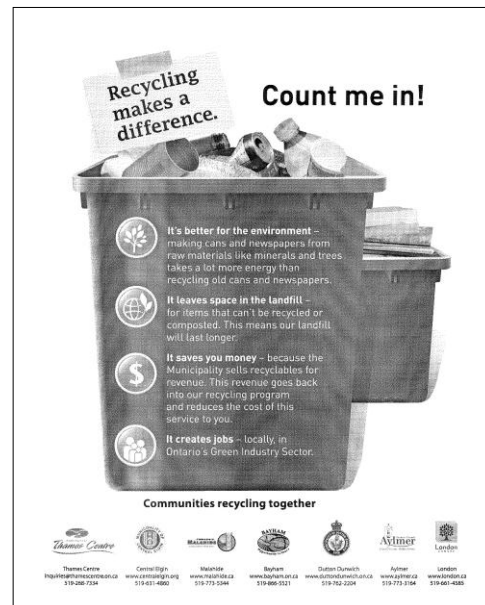
## Project Budget

Table 3: Project Budget

	Per unit cost	Quantity	Total Cost (cost x quantity)
Blue Box	\$4.85	2906	\$ 15481
Distribution	\$1.25	2906	\$ 3633
P&E Costs	\$1.15	3000	\$ 3450
Total	\$7.25		\$ 22564



Display to promote new program



Blue Box insert