

Final Report

CIF 619.3

Dufferin County

Large Curbside Containers



Final Project Report, Jan 1 2015

Dufferin County

CIF Project number 619.3

Acknowledgement:

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PROJECT INFORMATION

As part of the objectives of the CIF, which include a proactive approach to assisting municipalities to implement best practices in blue box recycling, the CIF has provided financial assistance for the acquisition and distribution of 22 gallon recycling boxes for use in the County's Blue Box recycling program.

The final report will include details of the following:

1. Summary of the distribution program for the recycling boxes
2. Summary of promotion and education efforts related to the distribution of recycling containers
3. Review of 2011 versus 2012 program operations after Blue Box distribution; including a comparison of marketed tonnage and net costs

Project Summary

This project consists of the purchase and distribution of 22 gallon recycling boxes for improvement of the local recycling program. Specifically in an effort to target the capture of more plastic packaging. Purchase and distribution of the Blue Boxes was completed by the County in anticipation of the new amalgamated program scheduled to take effect January 1 2013. Until December 31, 2012, all municipalities in the County will be operating their own programs.

Distribution of larger recycling bins for local use is intended to increase capture rates by providing residents more recycling storage capacity and reducing the amount of overflow recyclables placed into garbage collection. Provision of an additional 22 gallon recycling box, free of charge, to every single family home within the County is designed to increase the capacity at the curb and facilitate the amalgamation of the individual programs in 2013. The Blue Boxes were for all residents, except for residents of Orangeville who had already received a second Blue Box through early programming, of each local municipality within the County

Each municipality in the County currently has either a single or two stream collection programs in place and does provide one or two Blue Boxes to every new home built within the municipal boundaries. The current programs have Blue Boxes that have volumes of either 14, 16, or 18 gallons. All municipalities allow residents to put recyclables in plastic bags for collection, for periodic overflow only. It should also be noted that residents of Melancthon will be using a depot program for collection of recyclables until the new program rolls out in 2013.

The acquisition and distribution of larger recycling boxes will be a service upgrade for residents and will allow for the capture of materials that are currently ending up in the garbage due to lack of curbside capacity. These upgrades are anticipated to result in greater program effectiveness through increased capture of materials and will facilitate the amalgamation of the 8 municipal programs into the single County program scheduled for 2013.

Purchase and Distribution

In the fall of 2011, the County of Dufferin purchased 6,315 – 22 gallon Blue Boxes through the CIF joint tender for capacity. Blue Boxes were provided by Orbis Canada Ltd. at a price of \$4.85 / box. The project budget for this purchase of boxes was \$ 31,000. Following delivery of the Blue Boxes, distribution was completed by County staff hosting open houses at local municipal offices and landfills over a one month period. Additionally bins remaining from the open house distributions were available to residents from the County office. The County ran 5 open houses at local municipal offices and 3 open houses at local landfills. Each open house was run by two County staff; one staff person for recording addresses of residents who came in to pick up a new box and one staff person for handing out the boxes. Thus, staff time to complete the distribution totaled 16 days. This process ensured that each household would receive a second Blue Box free of charge; additional boxes were provided at cost. Residents were informed of the free Blue Boxes through advertisements in local municipal papers.

Program performance - Results

Diversion and participation in the program increased due to the distribution of the new Blue Boxes. There was an overall increase in the number of metric tonnes of Blue Box materials sent to market of 4.93%. This diversion was achieved while also decreasing the net cost per tonne of municipalities Blue Box programs of 2.25%

Municipality	Households	Metric Tonnes		Net cost		Net cost / MT	
		2011	2012	2011	2012	2011	2012
Amaranth	1,373	257	271	\$ 44,525	\$ 45,542	\$ 173	\$ 168
East Garafraxa	925	199	230	\$ 57,154	\$ 66,956	\$ 287	\$ 291
Grand Valley	1,384	189	221	\$ 89,253	\$ 86,795	\$ 472	\$ 393
Melancthon	1,144	133	132	\$ 56,844	\$ 51,888	\$ 427	\$ 393
Mono	2,829	716	682	\$ 156,053	\$ 161,320	\$ 218	\$ 237
Mulmur	1,666	283	289	\$ 100,455	\$ 104,735	\$ 355	\$ 362
Orangeville	10,186	3,392	3,606	\$ 642,811	\$ 670,642	\$ 190	\$ 186
Shelburne	2,158	472	488	\$ 105,744	\$ 97,795	\$ 224	\$ 200
		5,641	5,919	\$ 1,252,839	\$ 1,285,673	\$ 222	\$ 217

Analysis and Conclusions

The distribution of the new Blue Boxes was a solid success for the municipalities in the County of Dufferin for many reasons. First, more material is being captured thanks to the increase in capacity curbside and residents' awareness of what can and should be recycled. Second, with more tonnes being captured in the system, and the costs to provide this service remaining relatively constant, the municipalities in the County are achieving a greater efficiency in providing their Blue Box services. Third, with consistent collection containers now provided to all residents in the County, the amalgamation of the individual municipal programs under the County's umbrella of services will be that much smoother in 2013.