



CIF - Project #639.13

Recycling Project Report

Program Name: Blue Box
Public Space Recycling Project

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1 BACKGROUND INFORMATION

1.1 Municipal Information

Population: 350 (Killarney village)
 Households: 196 (single family, in Killarney village)
 Seasonal residents: approximately 700
 Tourists: approximately 60,000
 Blue Box Tonnage: 47.57 (2012 Datacall)
 Municipal Grouping:
 Blue Box Program Net Cost: \$64,653.26 (2012 Datacall)
 Net Cost/Tonne: $\$64,653.26 \div 47.57 = \$1,359.12/\text{tonne}$
 Annual P&E Budget: \$50

1.2 Public Space Program Description

Method of collection (depot or bins)

Recycling and garbage bins were situated in the tourist area – along the length of Channel Street in Killarney village. On this street are located all of the marinas and almost all of the other businesses that serve the tourist industry (e.g., lodges, hotels, food services...etc).

Single or Multi-Stream

Although the Municipality's blue box recycling program comingles plastics, glass, metals, and paper, the public space bins were designed for two items (plastic bottles and cans), since these are the most common recyclable items that tourists and other summer visitors are in possession of when walking on Channel Street.



Signage

Each bin is clearly labeled “LITTER” on one half and “BOTTLES/CANS” on the other half (on both sides of the bin). See photo below.

Targeted materials

Plastic bottles and metal cans are the two targeted materials for the recycling side of each bins, with litter to be deposited on the other side of each bin.

Processing arrangement

Any blue box recyclables collected from the public space bins were combined with household recyclables and eventually trucked to the Sudbury Recycling Depot.

2 IMPLEMENTATION

2.1 Goals and Objectives

1. Introduce public space recycling to the community and visitors
 - a. Interview residents & tourists to understand the impact of the new visible containers in public spaces
2. Divert blue box recyclables from the waste stream
 - a. Visual inspections by collection staff to evaluate levels of contamination and service levels
 - b. Annual waste audits to estimate the amount of materials diverted through public space recycling programming
3. Reinforce at home waste sorting behaviours by providing twin binned recycling and refuse containers in the areas of highest traffic; the waterfront

2.2 Messages Used

- Public space recycling is now available on Channel Street
- Recycle plastic bottles and cans
- Recycling will help extend the life of the Killarney landfill

2.3 Budget

Table 1: Public space recycling implementation tactics

Tactic	Method	Date	Target	Total Cost
Twin Bins	Each bin has a recycling section and a litter section	Installed on August 20 th , 2013	Tourists, day visitors	\$5,322.30 (Municipal share was \$3,832.06; CIF share was \$1,490.24)
Signage	Recycling bins have their own signage (self-explanatory labels/symbols)	Fall 2013	Tourists, day visitors, and the general public	(Included in cost of bins)
Flyer	Mass mail-out in Killarney village through Canada Post	Spring 2014	Local residents and tourist operators	\$16.00
			Total Costs:	\$5,338.30

3 RESULTS

3.1 Tracking Methodologies Used

Crew members in the Public Works department were asked to complete twice-weekly visual audit checklists for six consecutive weeks, and also conduct a waste audit (sorting of items) on one of the twin bins after the Thanksgiving weekend. The crew began using the audit checklists the week beginning August 25th, 2013, and the last audit checklists were completed the week beginning September 29th, 2013. The waste audit on one bin was conducted on October 15th, 2013.

Locations of twin bins

On August 20th, 2013, four twin bins were placed at different points along the south side of Channel Street. This street has the highest tourist and residential foot traffic of all village streets. On the south side of the street are almost all of the tourist businesses, such as hotels, lodges, marinas, the LCBO, and restaurants. On the north side of the street, there are private residences, a church, and one business. Twin bins were located on the road allowance at:

- The Rock House Inn (near the General Store)
- The LCBO store (near the Municipal dock)
- The Killarney Photo Studio (near the Municipal dock)
- Nancy Pitfield Memorial Park

Visual audit checklists

Public Works crew members checked these bins every day, and conducted a visual audit checklist on four of the bins twice a week for 6 weeks. The checklists allowed the crew to easily record the following information:

- the fullness of the litter side and the recycling side of each bin;
- if there was any litter left around the bin;
- if bin labels were still visible;
- if the area around the bin was dirty;
- if there was litter in the recycling side of the bin;
- if there were recyclable items in the litter side of the bin

Waste audit

On October 15th, after the Thanksgiving Weekend, the bags from each side of the twin bin near the LCBO were brought to the Public Works garage so that the materials inside could be sorted through.



3.2 Measured results

Checklists are attached, showing that there was almost no confusion regarding what materials should be placed in which section (i.e., extremely low incidence of contamination of recyclable materials). On three occasions (once for three different bins), an item was thrown into the wrong section of the bin.

During the waste audit, conducted on October 15th, 2013, only one recyclable item (a plastic bag) was found in the litter side of a twin bin. There was no garbage found in the recycling side of the same bin. It is possible that the plastic bag was thrown into the litter side of the bin simply because the labels for the recycling side clearly state “Bottles/Cans” and the person who deposited it may have been unaware that under the Municipality’s program, plastic bags are also recyclable.

3.3 Analysis of program

The twin bins were introduced near the end of the tourist season, therefore the Public Works crew did not collect a full bin of recyclables from every bin each week, but they are still considered to be a great success.

A number of local people commented on the attractiveness of the bins and said they appreciate that each one is made to accommodate both litter and recyclable bottles and cans. Channel Street is the main tourism area in Killarney village, and many tourists and day visitors walk from one end to the other as they visit business operations. The twin bins are a very convenient way of handling litter as well as the types of recyclables that tourists most often need to deposit during their walks (bottles and cans).

The Public Works Department was extremely hesitant to begin using the twin bins, as a result of the very poor results they had obtained with the original recycling bins, which did not allow a place for depositing litter. The recyclables collected from the old bins was invariably contaminated with litter, not matter how many times the crew checked them.

Since the new twin bins resulted in almost no contamination of recyclables, and also handle large amounts of litter, the Department will be using all eight twin bins to expand public space recycling. They will be a great aid for our waste diversion program.

3.4 Next Step

Extra emphasis will be placed on measuring the tonnage of the public recycling bins, as the visual audits do not give enough tangible information. This will be collected by Public Works throughout the year as “public recycling” and weighed at the Public Works yard. Otherwise, a detailed audit will be completed once a year to see how much recyclable material is diverted in the average public space bin.

4 APPENDIX

4.1 Visual Audit Checklists

Twin Bin Visual Audits

1

Sheets to be completed twice per week.

Aug 25th-Aug 31st: Audit #1		Fullness of litter side	Fullness of recycle side	Litter left around (not in) bin	Bagged garbage dropped at bin	Bin labels still visible	Bin and/or bin area is dirty	Litter in recycling	Recycling in litter
1.	Rock House Inn	<input checked="" type="checkbox"/> Full <input type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2.	LCBO	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Killarney Studio	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4.	Nancy Pitfield Park	<input type="checkbox"/> Full <input type="checkbox"/> 1/2 <input checked="" type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Aug 25th-Aug 31st: Audit #2

1.	Rock House Inn	<input checked="" type="checkbox"/> Full <input type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2.	LCBO	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3.	Killarney Studio	<input checked="" type="checkbox"/> Full <input type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4.	Nancy Pitfield Park	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Data gathered for CIF Public Space Recycling Study
Killarney Public Works Department

Twin Bin Visual Audits

2

Sheets to be completed twice per week.

Sep 1st – Sep 7th: Audit #1		Fullness of litter side	Fullness of recycle side	Litter left around (not in) bin	Bagged garbage dropped at bin	Bin labels still visible	Bin and/or bin area is dirty	Litter in recycling	Recycling in litter
1.	Rock House Inn	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2.	LCBO	<input checked="" type="checkbox"/> Full <input type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input checked="" type="checkbox"/> Full <input type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3.	Killarney Studio	<input checked="" type="checkbox"/> Full <input type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4.	Nancy Pitfield Park	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Sep 1st—Sep 7th: Audit #2

1.	Rock House Inn	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input type="checkbox"/> 1/2 <input checked="" type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2.	LCBO	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3.	Killarney Studio	<input checked="" type="checkbox"/> Full <input type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4.	Nancy Pitfield Park	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Data gathered for CIF Public Space Recycling Study
Killarney Public Works Department

Twin Bin Visual Audits

3

Sheets to be completed twice per week.

Sep 8th – Sep 14th: Audit #1		Fullness of litter side	Fullness of recycle side	Litter left around (not in) bin	Bagged garbage dropped at bin	Bin labels still visible	Bin and/or bin area is dirty	Litter in recycling	Recycling in litter
1.	Rock House Inn	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input type="checkbox"/> 1/2 <input checked="" type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2.	LCBO	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3.	Killarney Studio	<input checked="" type="checkbox"/> Full <input type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input checked="" type="checkbox"/> Full <input type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4.	Nancy Pitfield Park	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Sep 8th – Sep 14th: Audit #2

1.	Rock House Inn	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2.	LCBO	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input type="checkbox"/> 1/2 <input checked="" type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3.	Killarney Studio	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4.	Nancy Pitfield Park	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Data gathered for CIF Public Space Recycling Study
Killarney Public Works Department

Twin Bin Visual Audits

4

Sheets to be completed twice per week.

Sep 15th – Sep 21st: Audit #1		Fullness of litter side	Fullness of recycle side	Litter left around (not in) bin	Bagged garbage dropped at bin	Bin labels still visible	Bin and/or bin area is dirty	Litter in recycling	Recycling in litter
1.	Rock House Inn	<input type="checkbox"/> Full <input type="checkbox"/> ½ <input checked="" type="checkbox"/> Empty	<input type="checkbox"/> Full <input type="checkbox"/> ½ <input checked="" type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2.	LCBO	<input checked="" type="checkbox"/> Full <input type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3.	Killarney Studio	<input checked="" type="checkbox"/> Full <input type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4.	Nancy Pitfield Park	<input type="checkbox"/> Full <input checked="" type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Sep 15th – Sep 21st: Audit #2

1.	Rock House Inn	<input type="checkbox"/> Full <input checked="" type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2.	LCBO	<input type="checkbox"/> Full <input checked="" type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3.	Killarney Studio	<input type="checkbox"/> Full <input checked="" type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4.	Nancy Pitfield Park	<input type="checkbox"/> Full <input checked="" type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input type="checkbox"/> ½ <input checked="" type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Data gathered for CIF Public Space Recycling Study
Killarney Public Works Department

Twin Bin Visual Audits

5

Sheets to be completed twice per week.

Sep 22nd – Sep 28th: Audit #1		Fullness of litter side	Fullness of recycle side	Litter left around (not in) bin	Bagged garbage dropped at bin	Bin labels still visible	Bin and/or bin area is dirty	Litter in recycling	Recycling in litter
1.	Rock House Inn	<input type="checkbox"/> Full <input checked="" type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2.	LCBO	<input type="checkbox"/> Full <input checked="" type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3.	Killarney Studio	<input type="checkbox"/> Full <input checked="" type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4.	Nancy Pitfield Park	<input type="checkbox"/> Full <input checked="" type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input type="checkbox"/> ½ <input checked="" type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Sep 22nd – Sep 28th: Audit #2

1.	Rock House Inn	<input type="checkbox"/> Full <input checked="" type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2.	LCBO	<input type="checkbox"/> Full <input checked="" type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3.	Killarney Studio	<input type="checkbox"/> Full <input checked="" type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input type="checkbox"/> ½ <input checked="" type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4.	Nancy Pitfield Park	<input type="checkbox"/> Full <input checked="" type="checkbox"/> ½ <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input type="checkbox"/> ½ <input checked="" type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Data gathered for CIF Public Space Recycling Study
Killarney Public Works Department

Twin Bin Visual Audits

6

Sheets to be completed twice per week.

Sep 29th – Oct 5th: Audit #1		Fullness of litter side	Fullness of recycle side	Litter left around (not in) bin	Bagged garbage dropped at bin	Bin labels still visible	Bin and/or bin area is dirty	Litter in recycling	Recycling in litter
1.	Rock House Inn	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input type="checkbox"/> 1/2 <input checked="" type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2.	LCBO	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3.	Killarney Studio	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4.	Nancy Pitfield Park	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input type="checkbox"/> 1/2 <input checked="" type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Sep 29th – Oct 5th: Audit #2

1.	Rock House Inn	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input type="checkbox"/> 1/2 <input checked="" type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2.	LCBO	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3.	Killarney Studio	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4.	Nancy Pitfield Park	<input type="checkbox"/> Full <input checked="" type="checkbox"/> 1/2 <input type="checkbox"/> Empty	<input type="checkbox"/> Full <input type="checkbox"/> 1/2 <input checked="" type="checkbox"/> Empty	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Data gathered for CIF Public Space Recycling Study
Killarney Public Works Department

4.2 Public Space Recycling Posters

Recycling news from the Municipality of Killarney



Check out the new bins on Channel Street...
One side for litter...the other for plastic bottles/cans.

New litter/recycling bins have been installed for
use by the public near the following locations:

- ◊ The Rock House Inn
- ◊ The LCBO
- ◊ The Killarney Photo Studio
- ◊ Nancy Pitfield Memorial Park

Please recycle whenever possible.

Let's work together to extend the life of our landfills.