

# Final Project Report Municipal Blue Box Recycling Optimization Project CIF Project #974

Dungannon Waste Disposal Site (A361302)
Town of Bancroft
County of Hastings, Ontario

April 25, 2019

Greenview File: 108.19.002





# Acknowledgement

© 2019 Resource Productivity and Recovery Authority (RPRA) and Stewardship Ontario.

All rights reserved. No part of this publication may be reproduced, recorded, or transmitted in any form or by any means, electronic, mechanical, photographic, sound, magnetic, or other, without written permission from the owner.

This project has been delivered with the assistance of RPRA's (formerly Waste Diversion Ontario) Continuous Improvement Fund, a fund financed by Ontario municipalities and stewards of blue box waste in Ontario. Notwithstanding this support, the views expressed are the views of the author(s), and RPRA and Stewardship Ontario accept no responsibility for these views.



# **Table of Contents**

1.0	Introduction	1
1.1	Site Information	1
1.2	Background	1
2.0	Municipal Characteristics & Project Information	3
2.1	Municipal Characteristics	3
2.2	Municipal Blue Box Recycling Services	3
2.3	Pre-Project Blue Box Recycling Management	3
2.4	Project Implementation Steps	3
2.5	Post-Project Blue Box Recycling Management	3
3.0	Monitoring & Reporting	5
3.1	Capital Budget & Grant Value	5
3.2	2016 and 2017 Datacall Submissions	5
3.3	Comparison of Project Budget vs Actual Costs	5
3.4	Blue Box Recycling Tonnage Differences (2016 vs 2017)	6
3.5	Blue Box Recycling Average Roll-off Container Weight Reviews (2017)	6
3.6	CIF Payback Analysis	7
3.7	2017 Blue Box-related Revenues and Tipping Fees	7
4.0	Conclusions & Recommendations	9
5.0	Closing	10
List	of Tables	
Table	Project Capital Cost Comparisons (Budget vs Actual)	
Table	2 2016 vs 2017 Waste and Recycling Review	
Table	Blue Box Recycling Average Roll-off Container Weight Reviews (2017)	
List	of Appendices	
Appen	ndix A Environmental Compliance Approval A361302	
Appen	ndix B CIF Project #974 Grant (November 3, 2016)	
Appen	ndix C Photograph Log	
Appen		
Appen	ndix E 2016 Datacall – Initial Submission – Town of Bancroft	
Appen	ndix F 2017 Datacall – Initial Submission – Town of Bancroft	

Statement of Service Conditions and Limitations



Appendix G

#### 1.0 Introduction

#### 1.1 Site Information

The Dungannon Waste Disposal Site operates as an active waste disposal and recycling transfer site in accordance with Environmental Compliance Approval (ECA) A361302, including the most recent Amended ECA dated September 7, 2018 (Appendix A). The Dungannon site is located approximately eight (8) kilometres (km) south of the Town of Bancroft (Town) on Pinnacle Road, on Part of Lots 24, 25, and 26, and Lot 15, Plan M-30, and Lot 2, Plan M-32, Concession VIII, in the geographic Township of Dungannon, of the amalgamated Town of Bancroft, in the County of Hastings. The Universal Transverse Mercator (UTM) coordinates at the site entrance gate relative to the North American Datum (NAD83) are 281112.0 metres (m) East, 4989032.0 m North, in Zone 18T (Google Earth, 2013).

The site is approved to receive municipal solid waste (residential and industrial, commercial, and institutional [IC&I]) for landfilling and Blue Box recyclables (commingled containers, mixed fibres, old corrugated cardboard [OCC]) for transfer from ratepayers within the geographic boundaries of the Town. Additionally, the site is approved to accept leaf and yard waste for disposal and/or composting, waste electrical and electronic equipment (WEEE), bulk recyclable materials (waste tires, scrap metal and white goods, refrigerants, etc.), and propane tanks for transfer.

# 1.2 Background

The Dungannon Waste Disposal Site has been in operation since 1972 by the former Township of Dungannon, prior to amalgamation with the Town of Bancroft (Town). Current operations are conducted in accordance with the Amended Environmental Compliance Approval (ECA), dated September 7, 2018, by the Town of Bancroft (Appendix A).

In 2016, the Town was in in a position whereby a new Blue Box recycling contract was required to proceed with Curbside Collection of Blue Box recyclables by its service provider in 2017 and beyond (the contract with the service provider had been provided on a series of single-year extensions on an on-going basis for many years).

Based on cost increases for Curbside Collection services by its service provider on average by 6% per year over the previous five years, and per information communicated to the Town by its then service provider that a new contract could potentially increase by as much as 30% commencing in 2017 (i.e. five-year contract), the Town determined that a change in operations in managing its blue box recycling was required.

A Municipal Blue Box Recycling Operational Planning Review (BB Planning Review) was initiated to review the Town's current management practices and developed a number of alternatives for evaluation compared to the Status Quo, whereby the existing management of Blue Box materials would be maintained, at estimated increases in cost, based on the current annual increase of 6% (past 5 year average), versus annual cost increases escalating up to and including 30%, based on an expected new service contract with a recycling collection and haulage Contractor.

Using available information and validated cost estimates, a Proposed Alternative was developed that accounted for material revenues, capital expenditures, operating costs, and other pertinent aspects of changing the management of recycling collection for Blue Box services in the Town for Curbside and Depot Collection to a system using only municipal forces, thereby removing the need for a private Blue Box recycling service provider. We note that a number of working alternatives and associated cost evaluations were undertaken as part of this study; however, only the Proposed Alternative was presented from a feasibility perspective to CIF.



The Proposed Alternative was formulated on the Town taking on the responsibility of managing its Blue Box recycling through a cost saving and operational efficiency strategy. The proposal included the Town establishing three (3) stationary Blue Box recycling compactor units and related infrastructure at the Town's Dungannon Waste Disposal Site, for compaction of mixed fibres, mixed containers, and old corrugated cardboard (OCC), as collected at Curbside and/or received at the Depot (Dungannon WDS) site. Operationally, a leased 2-stream Curbside Blue Box recycling collection vehicle for use by Town forces was included, as were estimates of tipping fees as of that date at respective material recovery facilities (MRFs).

In comparing the Proposed Alternative to the Status Quo options, cumulative cost savings were interpreted to be realized in all options within 4 years (by year 2020). It was noted that the longest payback period was associated with the 6% annual increase for currently outsourced Blue Box services, and at the time it was more realistic to assume that the increase in the then-current service would be between 10% and 30%. At the higher end of this scale, the payback was understood to be immediate (i.e. direct savings). Over the 10-year planning horizon, cost savings for implementing the Proposed Alternative compared to the Status Quo options were estimated between \$67,013 and \$128,564.

The Proposed Alternative also provided for significantly-increased operational flexibility and reduced risk, whereby the Town could further develop and refine the operational specifics of the alternative, to best suit the Town's needs and Blue Box recycling service to its ratepayers.

These initial Proposed Alternative to the Status Quo tables are not included in this report.

The initial Application Form for the Request for Expressions of Interest 2016 was submitted to CIF on May 18, 2016. Upon preliminary review of the application, CIF declined the application for funding in a letter dated August 29, 2016. Upon further discussions with CIF and the Town, a revised budget for the project was submitted to CIF for review, and subsequently an agreement for the project at the reduced project budget was formally initiated on November 3, 2016 (Appendix B). The grant provided for an aggregate amount of 23% of Blue Box related project costs, up to a maximum of \$69,349. The grant agreement was signed by the Town of Bancroft on November 7, 2016 (Appendix B).

The project was formally named the "Municipality Blue Box Recycling Optimization Project" (MBBROP). Throughout the fall 2016, the Town completed upgrades to the transfer station including upgrades to the concrete block retaining wall, installation of a concrete slab, and installation of three (3) stationary compactors for Blue Box recyclables (mixed fibres, commingled containers, and OCC). The upgraded transfer station was commissioned in December 2016 and went into full operation as of January 1, 2017. A Photograph Log of the construction process is included as Appendix C to this report.

As of January 1, 2017, the Town has conducted all waste and recycling operations within the municipality, for both curbside and depot operations, to great success.

Greenview was retained by the Town to complete this Final Project Report for CIF Project 974, in order to meet with the requirements of CIF per the project grant (Appendix B).



# 2.0 Municipal Characteristics & Project Information

The following sections present a summary of the municipal characteristics for the Town of Bancroft, in addition to pre and post project information.

#### 2.1 Municipal Characteristics

According to most recent Statistic Canada data (2016), the Town of Bancroft has a total of 1,944 households and a population of 3,881 (Statistics Canada, 2019). The total household number reported includes 194 seasonal households.

The Town of Bancroft is a rural municipality located in northern Hastings County, encompasses a land area of approximately 229.51 square kilometres, and has a population density of 16.9 people per square kilometre (Statistics Canada, 2019).

Detailed municipal information is included in the 2016 and 2017 Datacalls, included as Appendices E and F, respectively.

# 2.2 Municipal Blue Box Recycling Services

The Town of Bancroft provides Curbside Blue Box recycling services to all Residential ratepayers of the municipality, as well as similar services to industrial, commercial, and institutional (IC&I) ratepayers. This CIF Project 974 only pertains to Residential services. Curbside Blue Box recycling services include 1,944 total households, as well as approximately 125 IC&I stops.

Depot Blue Box recycling services are also provided to all ratepayers of the municipality at the Dungannon Waste Disposal Site.

### 2.3 Pre-Project Blue Box Recycling Management

Prior to initiating the MBBROP, the Town contracted its Curbside collection operations to a service provider, in additional to haulage of open-topped, non-compacted Blue Box recycling roll-off containers from the Dungannon Waste Disposal Site.

As of the end of 2016, the Town had no long-term service contract, and had minimal control over Curbside and Depot costs for Blue Box recycling. Prior to the initialization of the MBBROP, the Town understood that contracted costs were likely to increase significantly over the next five (5) year period, as noted above in this report. This uncertainty led the Town to preparation of the planning for the MBBROP.

#### 2.4 Project Implementation Steps

As part of the MBBROP, the Town issued multiple Requests for Proposals and Requests for Quotations in order to satisfy all required elements of the project, including for new concrete retaining wall blocks, concrete slab construction, Blue Box recycling stationary compactors and compaction roll-off containers, Blue Box recycling processing (MRF) services, Blue Box recycling haulage services, electrical contracting services, and new site signage.

Each elements of the project were completed and/or constructed between summer and late fall 2016, with project completion as of December 31, 2016.

# 2.5 Post-Project Blue Box Recycling Management

Following completion of the infrastructure improvements, the Town commenced operation of their new Blue Box recycling system on January 1, 2017.



The Town now utilizes its own staff and waste and recycling compaction vehicles to collect Blue Box recyclables including mixed fibres (MF), commingled containers (CC), and old corrugated cardboard (OCC) from curbside, and delivers the Blue Box recycling materials to the Dungannon Waste Disposal Site for compaction within each respective stationary compactor, one (1) each for each Blue Box recyclable stream. Depot operations for Blue Box recycling also utilize the stationary compactors for diversion operations.

Haulage of Blue Box recyclables is conducted by a Town-contracted hauler, who hauls two (2) compacted roll-off containers to the Town's contracted Material Recovery Facility (MRF) in Belleville, Ontario, as required.

The Blue Box processing contact with the MRF is for a period of five (5) years, and which started as of January 1, 2017. The processing contact has provisions for revenue sharing for each of mixed fibres, commingled containers, and OCC, whereby the MRF and the Town share the risk, based on a calculation that utilizes the monthly prices reported in the CIF Price Sheet for ONP# 6 Index (Mixed Fibres), Container Composite Index (commingled containers), and Corrugated (OCC).



# 3.0 Monitoring & Reporting

The following sections present a summary of monitoring and reporting requirements, in general accordance with expectations for CIF Project #974.

# 3.1 Capital Budget & Grant Value

The capital budget approved for CIF Project #974, and the disbursement of grant information, is included as Schedule B and C of the Grant Agreement (Appendix B), and is summarized as follows:

Capital Purchases (Residential Portion)	Unit Cost	Units Purchased	Unit Lifetime	Total Cost			
Compactors (2 residential)	\$61,667	2	10 years	\$123,333			
Construction	\$127,100	65%		\$82,615			
Monitoring, Measurements, Reporting	\$5,000	65%		\$3,250			
Engineering	\$36,800	65%		\$23,920			
Compaction Roll-Off Containers	\$7,600	4	10 years	\$30,400			
Promotion & Education	\$9.000	65%		\$5,850			
Contingency (10%)	\$26,937	1		\$26,937			
T	TOTAL CAPITAL ITEMS						
1.76%	\$5,215						
TC	\$301,520						
TOTAL GRANT	\$69,349						

## 3.2 2016 and 2017 Datacall Submissions

Blue Box recycling tonnages and related information for this report have been taken from the 2016 and 2017 Datacall initial submissions to the RPRA. The 2016 and 2017 Datacall submissions are included in this report as Appendices E and F, respectively.

# 3.3 Comparison of Project Budget vs Actual Costs

Based on the Town's review of the project budget versus the actual costs of the project, the following is a summary of Table 1 – Project Capital Cost Comparisons (Budget vs Actual):

- Total Budget Cost = \$296,305 (per the CIF Grant Agreement).
- Actual Cost = \$274,292 (per project invoices provided to CIF).
- Difference = Actual Cost was \$22,013 below Budget Cost.



Capital Purchases (Residential Portion)	Unit Lifetime	Total Cost
Compactors & Roll-Off Containers (2 residential)	10 years	\$149,840
Construction & Engineering		\$123,282
Monitoring, Measurements, Reporting		\$1,017
Promotion & Education	\$153	
TOTAL PROJECT VALUE (inc. 1.76% Non-Reco	\$274,292	

# 3.4 Blue Box Recycling Tonnage Differences (2016 vs 2017)

Based on detailed reviews of Blue Box recycling tonnage differences pre-project (2016) and post-project (2017), the following are the gross tonnes of each stream of Blue Box recyclables for the Residential Sector diverted in the Town of Bancroft, as previously reported in the 2016 and 2017 Datacalls, respectively. IC&I tonnages are not included. A more detailed review of waste and recycling tonnages is included as Table 2 – 2016 vs 2017 Waste and Recycling Review of this report.

Blue Box Stream	Curbside / Depot	Pre-Project (2016)	Post-Project (2017)	
Single-Stream	Curbside	235.95	12.31	
Single-Stream	Depot	0.00	11.64	
Commingled Containers	Curbside	0.00	62.64	
(CC)	Depot	52.69	59.21	
Mixed Fibres (MF)	Curbside	0.00	52.16	
Mixed Fibres (MF)	Depot	55.62	49.31	
Old Corrugated	Curbside	0.00	94.49	
Cardboard (OCC)	Depot	81.73	56.41	
TOTAL (tonnes)		425.99	398.15	

The reasoning for the slightly reduced Residential tonnes in 2017 vs 2016 was interpreted to the Town conducting a more detailed review of the quantities attributed to the Residential Sector vs the IC&I Sector in 2017, based on improved waste and recycling record keeping practices. Light-weighting of the materials by which Blue Box recyclables are made was also interpreted to be a factor in the fewer tonnes of Residential Blue Box recyclables in 2017 vs 2016.

#### 3.5 Blue Box Recycling Average Roll-off Container Weight Reviews (2017)

Consistent with CIF expectations, the following is a summary of the calculated average Blue Box roll-off container weights for 2017. These calculations have been prepared using scaled weight documentation provided by HGC Management Inc. to the Town of Bancroft for all shipments from April to December 2017.



Blue Box Material	Average Roll-off Container Weight (tonnes)
Mixed Fibres (MF)	6.82
Commingled Containers (CC)	4.64
Old Corrugated Cardboard (OCC)	4.37

Roll-off weights from January to March 2017 were excluded from the above noted calculations, as contamination was noted to have occurred from Curbside Collection operations in the first three (3) months of the new Blue Box recycling management system for the Town of Bancroft, based on communications from HGC Management Inc. Contamination concerns were determined to have been addressed as of April 2017.

OCC was also hauled to the Town's MRF in bails; however, weights of bails of OCC have not been included in the calculation above for average roll-off container weights off OCC.

The Town of Bancroft notes that average roll-off container weights from 2016, as part of services provided by their Blue Box Curbside and Depot service provider (WSI) are not available, as this information was not shared with the Town during the time the service agreement was in place.

The above information is further summarized in Table 3 - Blue Box Recycling Average Roll-off Container Weight Reviews (2017) of this report.

#### 3.6 CIF Payback Analysis

Based on the approved project and the Grant Agreement, the following is a brief summary of the CIF Payback Analysis for the project (Appendix D). Pre-Project Costs (2016) are consistent with the approved project per the Grant Agreement, while The New Plan – Actual Project Costs has been updated to reflect the actual costs of the project, and Part 2: Post-Project Operating Costs (2017; Residential Only) uses Net Residential-only costs as calculated in the 2017 Datacall (Appendix F):

Item	Value
Pre-Project Costs (2016)	\$206,625
The New Plan – Actual Project Costs	\$274,292
Part 2: Post-Project Operating Costs (2017; Residential Only)	\$149,270
Payback on Total Project Costs (net of CIF Funding)	4.8 years
Payback Period (CIF Contribution)	1.2 years
Payback on Total Project Costs (excl. of CIF Funding)	3.6 years.
Funding Requested	\$69,349

#### 3.7 2017 Blue Box-related Revenues and Tipping Fees

As identified in the CIF Payback Analysis spreadsheet, as included in Appendix D of this report, significant revenues were shared with the Town of Bancroft by HGC Management Inc. in 2017 related to their shared-risk revenue sharing agreement included as part of their five (5) year Blue Box recycling processing contract. Small tipping fees were also charged to the Town of Bancroft as part of the agreement for 2017. The Table on the following page is a summary of the residential-related Revenues and Tipping Fees for 2017.



2017 Residential-Related Blue Box Recycling Revenue or Tipping Fee	Value
2017 Residential-Related Revenue – Mixed Fibres (MF)	\$1,744.29
2017 Residential-Related Revenue – Commingled Containers (CC)	\$4,266.90
2017 Residential-Related Revenue – Old Corrugated Cardboard (OCC)	\$18,653.39
TOTAL Revenue – Blue Box Recycling (2017)	\$24,664.58
2017 Residential-Related Tipping Fees – Mixed Fibres (MF)	\$719.85
2017 Residential-Related Tipping Fees – Commingled Containers (CC)	\$88.93
TOTAL Tipping Fees – Blue Box Recycling (2017)	\$808.78

The significant Blue Box-related revenues noted above were directly related to the five (5) year contract signed between the Town of Bancroft and HGC Management Inc., and were consistent with the requirements of the Request for Proposal published by the Town of Bancroft as part of this project. The Request for Proposal stipulated that a revenue sharing methodology be part of any agreement, and HGC Management Inc. proposed a mutually-beneficial, risk-sharing, methodology as part of their proposal to the Town.

The revenues are not interpreted to be a function of the new transfer station or the new municipal Blue Box recycling management system that was put into place as part of this project.



#### 4.0 Conclusions & Recommendations

Based on data collected, detailed reviews of financial information, and operational observation by waste management staff and management of the Town of Bancroft, the MBBROP has been determined to be an enormous success for the Town, with gratitude to CIF for their support in the project's implementation.

The payback analysis as calculated using the CIF Payback Analysis Tool, has determined that the payback on Total Projected Costs (net of CIF Funding) is approximately 4.8 years, and which was generally consistent with the Town's expectations for the project.

The Town now has a waste handling system in place that it can directly manage going forward, and review on an on-going basis, in order to determine any next steps that may be required to further manage costs in future operating years.

Haulage of compacted Blue Box recyclables has proven to be significantly more efficient than hauling non-compacted roll-off containers to a MRF, and the user-friendly nature of the Blue Box recycling compaction system at the transfer station of the Dungannon Waste Disposal Site has proved to be equally efficient to manage Curbside and Depot operations.

Blue Box-related revenues were significantly higher in 2017 vs. 2016, in large part to the revenue sharing agreement reached with the Town's MRF, HGC Management Inc. in Belleville, Ontario. The Town continues to work with their MRF partner on improving sorting techniques at both the Curbside and Depot locations for the benefit of both parties.

Ultimately, the MBBROP was an ambitious project, with very tight timelines. The Town effectively had from September to the end of December 2016 to re-construct their entire Depot operations and put into place all infrastructure that was required to take on management of both Curbside and Depot operations as of January 1, 2017. The Town managed to get all the elements in place that were required for effective operation of the new system; however, if the Town were to provide recommendations to a similarly-sized municipality in Ontario who was interested in a similar project, the most important recommendation would be to provide as much time as possible to complete all the planning, construction, and installations required. It took the Town essentially four (4) months from construction start to finish to complete, and timing was tight.

The Town wishes to thank CIF for their assistance on this very important project, and for making it possible for the Town to manage all of their Blue Box-related services in-house, to the benefit of its Residential ratepayers.



# 5.0 Closing

Greenview has prepared the Final Project Report in general accordance with the CIF Project Grant #974, dated November 3, 2016. The Town and Greenview trust that this report adequately satisfies any outstanding requirements of CIF in order to distribute any remaining grant funds for the project from CIF.

This report is governed by the attached statement of service conditions and limitations (Appendix G).

All respectfully submitted by,

# **Greenview Environmental Management Limited**

Dan Hagan, P.Geo.

Senior Project Manager / Geologist

Tyler H. Peters, P.Eng.

**Project Director** 



# **Tables**



Table 1
Project Capital Cost Comparisons (Budget vs Actual)
Municipal Blue Box Recycling Optimization Project
CIF Project #974
Town of Bancroft

Capital Purchases	Budget Cost <sup>1</sup>	Actual Cost <sup>2</sup>	Difference		
			(Budget Cost - Actual Cost)		
Blue Box Compactors (2x)	\$ 123,333	\$ 149.840	\$ 3,893		
Compaction Roll-off Containers (4x)	\$ 30,400	- \$ 149,840	φ 3,093		
Construction	\$ 82,615	\$ 123,282	\$ (16,747)		
Engineering	\$ 23,920	123,202	\$ (16,747)		
Promotion & Education	\$ 5,850	\$ 153	\$ 5,697		
Monitoring, Measurement, & Reporting	\$ 3,250	\$ 1,017	\$ 2,233		
Contingency (10%)	\$ 26,937	\$ -	\$ 26,937		
TOTAL	\$ 296,305	\$ 274,292	\$ 22,013		

#### Notes:

- 1. Budget Costs in accordance with Schedule B of CIF Grant Agreement (November 3, 2016).
- 2. Actual Costs in accordance with invoices for the project, as provided to CIF.



Table 2 2016 vs 2017 Waste and Recycling Review Municipal Blue Box Recycling Optimization Project CIF Project #974 Town of Bancroft

Town of Bancroft								
			Residential		Waste and Recycling Tonnes			
	Material	Curbside or Depot	or IC&I	% of Gross Tonnes	Pre-Municipal Blue Box Recycling Optimization Project	Post-Municipal Blue Box Recycling Optimization Project 2017		
					2016			
		Curbside	Residential	67%	235.95	12.31		
	Single-Stream	Curbside	IC&I	33%	116.21	6.06		
		Depot	Residential	95%	0.00	11.64		
		Борос	IC&I	5%	0.00	0.61		
		Curbside	Residential	67%	0.00	62.64		
	Comingled Containers	Curbside	IC&I	33%	0.00	30.85		
ples	Comingled Containers	Depot	Residential	95%	52.69	59.21		
Blue Box Recyclables		Берот	IC&I	5%	2.77	3.12		
Box R		Curbside	Residential	67%	0.00	52.16		
Blue	No. of City	Curbside	IC&I	33%	0.00	25.69		
	Mixed Fibres	Depot	Residential	95%	55.62	49.31		
		Берот	IC&I	5%	2.93	2.60		
		Combaida	Residential	67%	0.00	94.49		
	Old Corrugated Cardboard	Curbside	IC&I	33%	0.00	46.54		
	Old Corrugated Cardboard	D	Residential	60%	81.73	56.41		
		Depot	IC&I	40%	57.95	37.61		
		Depot ONLY	Residential	95%	18.13	21.06		
	WEEE		IC&I	5%	0.95	1.11		
	Scrap Metal	Depot ONLY	Residential	95%	58.05	66.33		
ables			IC&I	5%	3.06	3.49		
Bulk Recyclables	Oil Containers	Depot ONLY	Residential	95%	0.81	1.01		
Bulk	Oil Containers		IC&I	5%	0.04	0.05		
	MHSW	Event Days	Residential	100%	0.00	0.00		
	Tires	Depot ONLY	Residential	100%	27.52	27.56		
	Beer/Wine/Spirit Bottles	Depot ONLY	Residential	100%	21.63	21.38		
		Curbside	Residential	50%	286.01	267.07		
		Curbside	IC&I	50%	286.01	267.07		
Waste	Waste (Garbage)	Depot	Residential	33%	341.06	327.35		
		Берот	IC&I	67%	702.08	664.62		
		MHSW Event Days	Residential	100%	0.00	0.00		
			TOTAL DIV	/ERSION (gross tonnes)	736.05	693.22		
				TAL DISPOSAL (tonnes)	1615.15	1526.11		
	TOTAL GENERATION (tonnes)			2351.20	2219.33			
	RESIDENTIAL DIVERSION (gross tonnes)				552.13	535.49		
	RESIDENTIAL DISPOSAL (tonnes)			627.07	594.42			
	RESIDENTIAL GENERATION (tonnes)				1179.20	1129.91		
	TOTAL GROSS DIVERSION RATE				31%	31%		
	RESIDENTIAL GROSS DIVERSION RATE				A7% 47%			
	RESIDENTIAL GAP DIVERSION RATE (from 2018 Datacall)				42%	44%		





Table 3
Blue Box Recycling Average Roll-off Container Weight Reviews (2017)
Municipal Blue Box Recycling Optimization Project
CIF Project #974
Town of Bancroft

Blue Box Material	Roll-off Container Weights (tonnes per roll-off container)									
	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Year
Mixed Fibres (MF)	5.48	8.92	6.95	6.23	7.86	6.86	4.68	7.16	3.13	
	6.23	8.15	7.74	7.47	8.16	6.22	7.19	7.96		
								6.29		
total weight per month	11.71	17.07	14.69	13.70	16.02	13.08	11.87	21.41	3.13	122.68
average	5.86	8.54	7.35	6.85	8.01	6.54	5.94	7.14	3.13	6.82
Commingle Containers (CC)	4.01	4.30	3.84	8.24	8.79	3.72	3.81	4.37	7.98	
	6.09	4.42	2.89	3.91	4.47	3.90	4.92	3.98	3.98	
	3.69	2.31	4.58		3.83	4.22		3.95	2.57	
		3.93	9.19		4.08					
total weight per month	13.79	14.96	20.50	12.15	21.17	11.84	8.73	12.30	14.53	129.97
average	4.60	3.74	5.13	6.08	5.29	3.95	4.37	4.10	4.84	4.64
Old Corrugated Cardboard (OCC)	5.03	2.62	4.65	4.70	4.48	4.50	8.50	4.42	3.91	
	3.86	5.10	2.96	5.70	2.36	2.73		5.07		
	2.85	3.42	2.76	4.94	4.84	4.25		5.94		
			5.26							
total weight per month	11.74	11.14	15.63	15.34	11.68	11.48	8.50	15.43	3.91	104.85
average	3.91	3.71	3.91	5.11	3.89	3.83	8.50	5.14	3.91	4.37

Notes:

1. All data presented above from 2017 Monthly Recycling Reports from HGC Management Inc., from April to December 2017.

Appendix A



# AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER A361302

Issue Date: September 7, 2018

The Corporation of the Town of Bancroft 24 Flint Ave Post Office Box, No. 790 Bancroft, Ontario

K0L 1C0

Site Location:

Dungannon Waste Disposal Site

164 Pinnacle Rd

Bancroft Town, County of Hastings

You have applied under section 20.2 of Part II.1 of the <u>Environmental Protection Act</u>, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

the use and operation of a 96.0 hectare Waste Disposal Site consisting of a 10.0 hectare Landfill, a Recycling Facility, a leaf and yard Compost Facility, a MHSW Depot and a WEEE Collection Facility.

You are hereby notified that I have amended Approval No. A361302 issued on March 3, 2014 and amended on April 11, 2016 and August 15, 2016 for the use and operation of a 10 hectare landfill within a total 96 hectare waste disposal site

For the purpose of this environmental compliance approval, the following definitions apply:

- (a) "Approval" means this Environmental Compliance Approval and any Schedules to it, including the application and supporting documentation listed in Schedule "A":
- (b) "bulky waste" means bulky household items such as mattresses and box springs, couches and chesterfields, chairs and other large upholstered items, furniture and similar items:
- (c) "CAZ" means the Contaminant Attenuation Zone;
- (d) "Compost Facility" means that part of the Site where an aerobic biological process, conducted under controlled engineered conditions, decomposes and stabilizes leaf and yard waste;
- (e) "Director" means any Ministry employee appointed in writing by the Minister pursuant to section 5 of the EPA as a Director for the purposes of Part II.1 of the EPA;

- (f) "District Manager" means the District Manager of the local district office of the Ministry in which the Site is geographically located;
- (g) "EPA" means the Environmental Protection Act, R.S.O. 1990, C.E-19 as amended;
- (h) "finished compost" means leaf and yard waste that has completed the composting process as outlined in Condition 5.6;
- (i) "ICI" means industrial, commercial and institutional business sectors;
- (j) "Landfill" means the 10 hectare portion of the Site where the permanent burial of waste takes place;
- (k) "leaf and yard waste" means waste consisting of natural Christmas trees and other plant materials but not tree limbs or other woody materials in excess of 7 centimetres in diameter, which has been received unpackaged or in packaging that can be composted;
- (l) "MHSW" means municipal hazardous and special waste and, for the purposes of this Approval, is limited to waste classes 121, 145, 148, 212, 213, 221, 242, 263, 269 and 331 as defined in Ontario Regulation 347, generated by households and small quantity generators located in the geographic boundaries of the Town of Bancroft, the Township of Carlow/Mayo, the Township of Faraday, the Township of Limerick, Township of Tudor/Cashel, the Township of Wollaston, the Municipality of Highlands East (Haliburton County) and the Municipality of Hastings Highlands;
- (m) "MHSW Depot" means that part of the Site where waste management activities pertaining to the bulking and temporary storage pending transfer of MHSW take place;
- (n) "Ministry" and "MOE" means the ministry of the government of Ontario responsible for the EPA and includes all officials, employees or other persons acting on its behalf;
- (o) "Operator" means any person, other than the Owner's employees, authorized by the Owner as having the charge, management or control of any aspect of the Site;
- (p) "Owner" means any person that is responsible for the establishment or operation of the Site which is the subject of this Approval, and includes the Town of Bancroft, its successors and assigns;;
- (q) "OWRA" mean the Ontario Water Resource Act, R.S.O 1990, Chapter O.40;
- (r) "PA" means the Pesticides Act, R.S.O. 1990, c. P-11, as amended from time to time;

- (s) "Reasonable Use Guideline" means the Ministry Guideline B-7 entitled "Incorporation of the Reasonable Use Concept into MOE Groundwater Management Activities, dated April 1994, as amended;
- (t) "Recycling Facility" means the recycling/public waste drop-off facility as shown in the supporting documentation described in Schedule "A":
- (u) "*Ontario Regulation 347*" means Ontario Regulation 347, R.R.O. 1990, General Waste Management, made under the *EPA*, as amended from time to time;
- (v) "Site" means the entire waste disposal site, including the buffer lands, and contaminant attenuation zone at Part of Lots 24, 25 and 26, Lot 15, Plan M-30 and Lot 2, Plan M-32, Concession VIII;
- (w) "Standard" means the Ontario Compost Quality Standards, dated July 2012, or the most recent revision; and
- (x) "waste electrical and electronic equipment" and "WEEE" means a device that is a waste, that required an electric current to operate and functioned as a household appliance, information technology equipment, telecommunications equipment, audio-visual equipment, toy, leisure equipment, sport equipment, electrical or electronic tool and or electrical instrument.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

# TERMS AND CONDITIONS

## 1.0 GENERAL

# Revoke and Replace

1.1 This *Approval* revokes all previously issued Provisional Certificates of Approval issued under Part V of the *EPA* for this *Site*. The approval given herein, including the terms and conditions set out, replaces all previously issued approvals and related terms and conditions under Part V of the *EPA* for this *Site*.

# Compliance

- 1.2 The *Owner* and *Operator* shall ensure compliance with all the conditions of this *Approval*, and shall ensure that any person authorized to carry out work on, or operate any aspect of, the *Site* is notified of this *Approval* and the conditions herein, and shall take all reasonable measures to ensure any such person complies with the same.
- 1.3 Any person authorized to carry out work on or operate any aspect of the *Site* shall comply with the conditions of this *Approval*.

#### In Accordance

- 1.4 (a) Except as otherwise provided for in this *Approval*, the *Site* shall be designed, developed, built, operated and maintained in accordance with the application for this *Approval*, dated October 2, 2013 and the supporting documentation listed in Schedule "A".
  - (b) Use of the Site for any other type of waste, or other waste management activity, is not approved under this Approval, and requires obtaining an amendment to this Approval.

# Interpretation

- 1.5 Where there is a conflict between a provision of any document, including the application, referred to in this *Approval*, and the conditions of this *Approval*, the conditions in this *Approval* shall take precedence.
- 1.6 Where there is a conflict between the application and a provision in any documents listed in Schedule "A", the application shall take precedence, unless it is clear that the purpose of the document was to amend the application and that the *Ministry* approved the amendment.
- 1.7 Where there is a conflict between any two documents listed in Schedule "A", other than the application, the document bearing the most recent date shall take precedence.
- 1.8 The conditions of this *Approval* are severable. If any condition of this *Approval*, or the application of any condition of this *Approval* to any circumstance, is held invalid or unenforceable, the application of such condition to other circumstances and the remainder of this *Approval* shall not be affected thereby.

# Other Legal Obligations

- 1.9 The issuance of, and compliance with, this Approval does not:
  - (a) relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement; or
  - (b) limit in any way the authority of the *Ministry* to require certain steps be taken or to require the *Owner* and *Operator* to furnish any further information related to compliance with this *Approval*.

#### Adverse Effect

- 1.10 The *Owner* shall take steps to minimize and ameliorate any adverse effect on the natural environment or impairment of water quality resulting from the *Site*, including such accelerated or additional monitoring as may be necessary to determine the nature and extent of the effect or impairment.
- 1.11 Despite an *Owner*, *Operator* or any other person fulfilling any obligations imposed by this Certificate the person remains responsible for any contravention of any other condition of this *Certificate* or any applicable statute, regulation, or other legal requirement resulting from any act or omission that caused the adverse effect to the natural environment or impairment of water quality.

# Change of Owner

- 1.12 The Owner shall notify the *Director*, in writing, and forward a copy of the notification to the *District Manager*, within 30 days of the occurrence of any changes in the following information:
  - (a) the ownership of the Site;
  - (b) the Operator of the Site;
  - (c) the address of the Owner or Operator;
  - (d) the partners, where the *Owner* or *Operator* is or at any time becomes a partnership and a copy of the most recent declaration filed under the **Business Names Act**, R. S. O. 1990, c. B.17, shall be included in the notification.
- 1.13 No portion of this *Site* shall be transferred or encumbered prior to or after closing of the *Site* unless the *Director* is notified in advance. In the event of any change in ownership of the works, other than change to a successor municipality, the *Owner* shall notify the successor of and provide the successor with a copy of this *Approval*, and the *Owner* shall provide a copy of the notification to the *District Manager* and the *Director*.

## Inspections

- 1.14 No person shall hinder or obstruct a *Provincial Officer* from carrying out any and all inspections authorized by the *OWRA*, the *EPA*, or the *PA*, of any place to which this *Approval* relates, and without limiting the foregoing:
  - (a) to enter upon the premises where the approved works are located, or the location where the records required by the conditions of this *Approval* are kept;
  - (b) to have access to, inspect, and copy any records required to be kept by the conditions of this *Approval*;
  - (c) to inspect the Site, related equipment and appurtenances;
  - (d) to inspect the practices, procedures, or operations required by the conditions of this *Approval*; and

(e) to sample and monitor for the purposes of assessing compliance with the terms and conditions of this Approval or the EPA, the OWRA or the PA.

# Information and Record Retention

- 1.15 (a) Any information requested, by the *Ministry*, concerning the Site and its operation under this *Approval*, including but not limited to any records required to be kept by this *Approval* shall be provided to the *Ministry*, upon request, in a timely manner.
  - (b) Records shall be retained for five (5) years except for as otherwise authorized in writing by the *Director*.
- 1.16 The receipt of any information by the *Ministry* or the failure of the *Ministry* to prosecute any person or to require any person to take any action, under this *Approval* or under any statute, regulation or other legal requirement, in relation to the information, shall not be construed as:
  - (a) an approval, waiver, or justification by the *Ministry* of any act or omission of any person that contravenes any term or condition of this *Approval* or any statute, regulation or other legal requirement; or
  - (b) acceptance by the *Ministry* of the information's completeness or accuracy.

# Certificate of Registration

- 1.17 Pursuant to Section 197 of the *EPA*, no person having an interest in the *Site* shall deal in any way with the *Site* without first giving a copy of this *Approval* to each person acquiring an interest in the *Site* as a result of the dealing.
- 1.18 A Certificate of Registration shall be registered, by the *Owner*, in the appropriate land registry office on title to the *Site* and a duplicate registered copy shall be submitted to the *Director*.

## 2.0 GENERAL OPERATIONS

#### Service Area

- 2.1 (a) Only wastes generated from within the geographic boundaries of the Town of Bancroft may be received for recycling or for disposal at this *Site*. No waste shall be received for recycling or for disposal at this *Site* from outside the approved service area.
  - (b) Notwithstanding Condition 2.1 (a) above, the *Site* may receive *MHSW* for transfer, subject to Conditions 7.1 through 7.9, from the Town of Bancroft, Township of Carlow/Mayo, Township of Faraday, Township of Limerick, Township of Tudor/Cashel, Township of Wollaston, Municipality of Highlands East (Haliburton County) and Municipality of Hastings Highlands.

# Approved Waste

- 2.2 (a) The Site is approved to receive the following types of waste for final disposal in the landfill:
  - Municipal Waste generated by residential and IC&I generators; a.
  - b. Construction and Demolition Waste:
  - Bulky Waste: c.
  - Biosolid Waste, consisting dewatered sewage sludge from the Bancroft Water d. Pollution Control Plant:
  - Leaf and Yard Waste: e.
  - Clean Wood and Brush: f.
  - Contaminated Soil: and
  - Ashes. h.
  - (b) The Site is approved to receive the following types of waste for recycling and transfer operations:
    - Blue Box Recyclables (including mixed fibres, commingled containers, and old a. corrugated cardboard);
    - Bulky waste; Ъ.
    - Used Propane Tanks; C.
    - Scrap Metal and White Goods; d.
    - Refrigerant containing appliances: e.
    - f. Waste Electronic and Electrical Equipment:
    - Tires: g.
    - Automotive Plastics; and h.
    - Municipal Hazardous and Special Waste in accordance with Condition 7.0.
- 2.3 A sign (or signs) shall be posted in a prominent location at the Site entrance clearly stating the following:
  - (a) Owner 's name:
  - (b) Operator's name (if applicable);
  - (c) this Approval number:
  - (d) applicable municipal by-laws;
  - (e) the hours of operation; and
  - (f) a 24 hour accessible telephone number to call with complaints or in the event of an emergency.

# **Hours of Operation**

2.4 (a) The hours of operation for the Site except for the MHSW Depot are as follows:

Monday (excluding statutory holidays) 7:00 a.m. - 12:00 p.m. Tuesday & Wednesday (staff only)

8:00 a.m. - 5:00 p.m.

Thursday 7:00 a.m. - 12:00 p.m. Friday 7:00 a.m. - 12:00 p.m. Saturday 9:00 a.m. - 4:00 p.m. Sunday 9:00 a.m. - 4:00 p.m.

- (b) The hours of operation for the MHSW Depot are Saturday from 9:00 a.m. 2:00 p.m.
- (c) The hours of operation of the *Site* and/or *MHSW Depot* may be changed as necessary with the written concurrence of the *District Manager*.

# Security

- 2.5 No waste shall be received, landfilled or removed from the *Site* unless a site supervisor or attendant is present to supervise the operations. The *Site* shall be closed when a site attendant is not present to supervise landfilling operations.
- 2.6 During non-operating hours, the *Owner* shall ensure that the *Site* entrance and exit gates are locked and the *Site* is secured against access by unauthorized persons.
- 2.7 Only clean wood and brush shall be permitted for burning or incineration. The burning at the Landfill must follow the Ministry of the Environment Guideline C-7 (Burning at Landfill Sites April 1994).

#### Litter and Vermin

- 2.8 (a) The Owner shall undertake litter pick-up around the property in the early spring and late fall, including the fence line and any surface water bodies on the property. The Owner shall also undertake regularly scheduled litter pick-ups around the Site between the months of May and September.
  - (b) The Owner shall prepare a litter pick-up schedule by no later than April 1 of each year. The schedule shall be kept at the municipal office and the Site such that the schedule is readily available for Ministry review.
- 2.9 The Owner shall retain a licensed exterminator to address vector/vermin issues when required.

# Spill Reporting

2.10 Any spill at the *Site* shall be reported forthwith directly to the Spills Action Centre of the *Ministry* (1-800-268-6060) and shall be cleaned up immediately.

# **Design and Operations Report**

- 2.11 (a) The Owner shall review the Design and Operations report on an annual basis, at a minimum, and revise as required to ensure that the document is kept up-to-date
  - (b) Applications to amend this *Approval* shall include an updated Design and Operations Report.

## 3.0 LANDFILL

# Site Capacity

3.1 The maximum volumetric capacity of the *Site*, consisting of the waste, daily cover and intermediate cover, but excluding the final cover is 1,495,950 cubic metres.

# **General Operations**

- 3.2 Development of Phases I and II shall be in accordance with the Design and Operations Report in Item 17, Schedule "A".
- 3.3 The *Owner* shall clearly define the boundaries of the limit of waste by installing permanent markers that can be visible year-round.

# **Waste Shredding**

- 3.4 (a) The *Owner* may conduct waste shredding or minimizing the particles of waste to be landfilled (not existing waste already landfilled), in accordance with Section 5.3 of Item 17 and Item 18 in Schedule "A".
  - (b) Alternatively the *Owner* may transfer *bulky waste* that has not been shredded off-site to an approved waste disposal site for disposal and/or recycling.
- 3.5 The Owner shall undertake the necessary precautionary measures for fire prevention when stockpiling material to be used as alternative cover, or for transfer off-site (example limit potential for spontaneous combustion, etc.), including but not limited to limiting the maximum amount of material stored in the construction and demolition and bulky waste items area to 2,000 m<sup>3</sup>.

## Landfill Cover

3.6 Cover material, consisting of a minimum thickness of 150 mm of soil cover or an approved thickness of alternative cover material, shall be placed over the entire working face at the end of each week (at minimum).

3.7 Interim cover shall be placed in areas where landfilling has been temporarily discontinued for six (6) months or more. The interim cover shall consist of a minimum thickness of 300 mm of soil cover, or an approved thickness of alternative cover material.

#### Alternative Cover Material

- 3.8 (a) The following materials may be used as alternative daily cover material:
  - (i) clean wood chips may be used as daily cover material (150 mm thickness);
  - (ii) contaminated soil that is designated non-hazardous in accordance with *Ontario* Regulation 347 that is brought to the Landfill for disposal may be used as daily cover material:
  - (iii) composted leaf and yard waste;
  - (iv) leaf and yard waste mixed with cover soil, and/or wood chips;
  - (v) dewatered municipal biosolids;
  - (vi) geomembrane covers;
  - (vii)asphalt shingles;
  - (viii) shredded construction and demolition waste and shredded bulky household waste, in accordance with Item 12 of Schedule "A".
- 3.9 Alternative materials to soil and those items listed in Condition 3.8(a) may be used as daily and interim cover material, provided that the alternate cover material is non-hazardous, in accordance with *Ontario Regulation 347*, and can perform at least as well as soil in relation to the following functions:
  - (a) control of blowing litter, odours, dust, landfill gas, gulls, vectors, vermin and fires:
  - (b) provision for an aesthetic condition of the *Landfill* during the active life of the *Site*:
  - (c) provision for vehicle access to the active tipping face; and
  - (d) compatibility with the design of the *Site* for groundwater protection, leachate management and landfill gas management.
- 3.10 The Owner shall ensure that the material used as alternative daily cover, does not cause an adverse environmental effect. If any adverse effect is caused, the Owner shall immediately stop the use of such material and resume the use of other approved daily cover or clean soil.
- 3.11 Sufficient soil daily cover material or other approved daily cover material will be available for use, either when site conditions do not permit use of the alternative material, or if performance of the material is unsatisfactory.

## Changes to the Contaminant Attenuation Zone

3.12 (a) The *Owner* may submit a request to change the *CAZ* to the *District Manager* in accordance with the recommendation of the annual report as described in Condition 10.1(n).

(b) Within fourteen (14) days of receiving the written correspondence from the *District Manager* confirming that the *District Manager* is in agreement with the proposed changes to the *CAZ* identified in Condition 6.3(a), the *Owner* shall forward a letter identifying the proposed changes and a copy of the correspondences from the *District Manager* and all other correspondences and responses related to Condition 6.3(a) and Condition 10.1(n), to the *Director* requesting that the *Approval* be amended to reflect the proposed changes to the *CAZ*.

#### 4.0 RECYCLING FACILITY

- 4.1 (a) The operation of a *Recycling Facility* at the *Site* is approved in accordance with documents in Schedule "A", except as otherwise specified by the conditions in the *Approval*.
  - (b) Any changes in the operation or location of the *Recycling Facility* requires an amendment to the *Approval*.
- 4.2 (a) No wastes other than those listed in Condition 2.2(b) shall be collected and stored at this *Recycling Facility* without amendment to the *Approval*.
  - (b) No municipalities other than those listed in Condition 2.1 shall use this facility without amendment to the *Approval*.
- 4.3 All storage containers/bins used to store waste and/or recyclable materials shall be maintained in good condition to prevent leakage. The *Owner* shall immediately remove from service any leaking container. Containers/bins used to store clean scrap metal may be equipped with drainage holes to permit the drainage of rainwater.
- 4.4 (a) Recyclable materials shall be properly separated and each area properly identified. The areas shall be kept in a neat and tidy manner.
  - (b) The *Operator* shall establish a safe storage capacity for the *Site* consistent with the application for the *Recycling Facility* and shall ensure that this capacity is not exceeded by providing regular movement of the wastes to approved markets, transfer/processing facilities and waste disposal sites.
  - (c) Nothing withstanding Condition 4.4(a), the *Operator* shall ensure that adequate fire fighting equipment is available at the *Recycling Facility* and that personnel are familiar with its use.
- 4.5 The *Owner* shall remove all scrap metal and appliances from the *Recycling Facility* at an interval not to exceed twelve (12) months.

- 4.6 (a) The Owner shall ensure that all white good containing refrigerants received at the Recycling Facility shall be drained and tagged by a certified technician prior to inclusion with the scrap metal recycling materials for transfer.
  - (b) The frequency of the certified technician draining and tagging the white good, as identified in Condition 4.6(a), shall be no less than every three months.
- 4.7 Scavenging of waste at the *Recycling Facility* shall not be permitted.
- 4.8 (a) The *Operator* shall ensure that *Site* personnel, trained in contingency measures and emergency first aid are on duty at all times during normal operating hours or during any additional hours the *Recycling Facility* may be open.
  - (b) All Site personnel shall have practical knowledge of the waste material to be handled under the Approval and shall be fully trained and knowledgeable about all aspects of the Recycling Facility operations including the requirements of the Approval which relate to the work they are doing and their safety at the Site.
- 4.9 (a) The *Operator* shall establish a separate record system for all waste received at the *Recycling Facility* which shall include, but not necessarily be limited to,
  - (i) the documentation of quantities received and processed at the *Recycling Facility* each month;
  - (ii) source of generation;
  - (iii) receiving and shipping dates and volumes of each waste type delivered to approved transfer/processing facilities and waste landfill sites; and
  - (iv) documentation of environmental and other problems experienced in operating the facility.
  - (b) The information collected under Condition 4.9 (a) shall be submitted in a annual report submitted to the *District Manager* as required under Condition 10.1.
- 4.10 The approval for the *Recycling Facility* expires with the termination of the *Recycling Facility*; when all the wastes have been removed from the *Recycling Facility*; and the restoration has been approved, in writing by the *Director*; or if closure of the *Landfill* prohibits or prevents further use of the *Recycling Facility*.

# 5.0 COMPOST FACILITY

- 5.1 (a) The *Compost Facility* is hereby approved to operate in accordance with Items 1 through 8 in Schedule "A" and the Conditions in this *Approval*.
  - (b) Waste received at the *Compost Facility* shall not exceed the maximum concentrations for metals listed in Column 2, Table 3.2 of the *Standard*.

- (c) Waste received at the *Compost Facility* is not required to meet the standards for metals, in accordance with Condition 5.1 (b), if the compost is destined only for use as alternative daily or interim cover.
- 5.2 (a) All wastes arriving at the *Compost Facility* shall be inspected by an attendant, prior to their acceptance at the *Site*, to ensure the waste meets the requirements of this *Approval*.
  - (b) Any waste, that is not *leaf and yard waste*, inadvertently accepted at the *Compost Facility* shall be removed by the end of the operating day in which the waste was received.
- 5.3 The Compost Facility is approved to:
  - (a) store a maximum combined total of 250 m<sup>3</sup> of *leaf and yard waste*, wood waste, waste actively undergoing composting and *finished compost* at any one time; and
  - (b) transfer a maximum of 199 tonnes per day of residual waste for disposal.
- 5.4 (a) Finished compost shall be stored on Site for a maximum of twelve (12) months after the curing phase is complete; and
  - (b) Wood waste, including wood chips, shall be stored on Site for a maximum of twelve (12) months.
- 5.5 Leaf and yard waste shall be processed within five (5) days of receipt and incorporated into windrows within two (2) weeks of receipt except during the period between November 15 to March 15 where leaf and yard waste shall be incorporated into windrows within eight (8) weeks of receipt.
- 5.6 All waste that is accepted for composting, shall be composted in accordance with the following:
  - (a) all waste receipt, waste processing, active composting and curing shall take place on paved surfaces;
  - (b) windrows shall be arranged in a manner which permits equipment access to the composting and storage areas for efficient turning of the windrows and to allow access for emergency vehicles;
  - (c) windrows shall be constructed at bulk densities and heights which promote aerobic conditions:
  - (d) all waste being composted shall be held at a temperature of at least 55 °C for a minimum of fifteen (15) days cumulative to ensure proper pathogen inactivation;
  - (e) during composting, the temperature of the waste being composted shall be monitored and recorded daily during the pathogen inactivation period and a minimum of weekly during the remainder of the composting process;
  - (f) during the fifteen day pathogen inactivation period, the windrows shall be turned a minimum of five (5) times;

- (g) compost shall be cured for six (6) months. Compost cured for less than six months shall meet one of the following maturity criteria after a minimum 21 day curing period:
  - (i) the respiration rate is less than or equal to 400 mg of O<sub>2</sub> per kg of volatile solids (on a dry weight basis) per hour; or
  - (ii) the respiration rate is less than, or equal to, 4 mg of C in the for of CO<sub>2</sub> per g of organic matter (on a dry weight basis) per day.
- 5.7 Prior to being released off Site, finished compost shall be monitored for quality as follows:
  - (a) composite samples shall be collected in accordance with the methodology and frequency stated in Appendix 1 of the *Standard*;
  - (b) samples shall be analyzed for criteria listed in Table 3.1 and Table 3.3 of the Standard;
  - (c) all production records shall be reviewed to ensure temperature and residency time requirements for pathogen inactivation and compost maturity have been meet,
- 5.8 (a) Finished compost that meets the requirements of Condition 5.7, Table 3.1 Column 2 of the Standard, and Table 3.3 Category AA Column of the Standard, may be transferred off Site for unrestricted use as Category AA compost.
  - (b) Finished compost that meets the requirements of Condition 5.7, Table 3.1 Column 3 of the Standard and Table 3.3 Category A Column of the Standard, may be transferred off Site for unrestricted use as Category A compost subject to the labelling requirements outlined in the Standard.
  - (c) Finished compost may be used as alternative daily cover irrespective of whether or not it meets the Standard.
  - (d) *Finished compost*, that is not used as alternative daily cover and does not meet Category AA or Category A compost as defined by the *Standard*, shall be deemed a waste and, if transported from the *Site*, shall be transported by an approved waste transportation system to an approved waste disposal site, in accordance with *Ontario Regulation 347*.

# 6.0 WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT

- 6.1 This Site is approved to receive, store and transfer waste electrical and electronic equipment as follows:
  - (a) the Owner shall receive a maximum of 160 cubic metres per day of waste electrical and electronic equipment;
  - (b) the Owner shall store a maximum of 160 cubic metres per day of waste electrical and electronic equipment at any one time;
  - (c) no waste electrical and electronic equipment shall be dissembled, either manually or mechanically;
  - (d) all waste electrical and electronic equipment shall be received and stored within the confines of a building.

- 6.2 Prior to being accepted at the *Site*, all incoming waste shall be visually inspected to ensure that only approved *waste electrical and electronic equipment* is accepted at the *Site*.
- 6.3 In the event that unacceptable waste is received at the Site, the Owner shall:
  - (a) refuse receipt of the unacceptable waste and return the waste to the generator if safe to do so; or
  - (b) if return of the waste is not feasible, the *Owner* shall isolate the unacceptable waste and dispose of the waste in the *Landfill*; and
  - (c) the *Owner* shall review the incident and take appropriate steps to prevent future receipt of unacceptable waste.

#### 7.0 MHSW DEPOT

- 7.1 (a) The *Owner* shall construct and operate the *MHSW Depot* in accordance with Item 17 of Schedule "A"; and
  - (b) Changes to the Design and Operations of the *MHSW Depot*, from what has been approved by Condition 7.1(a), shall be submitted to the *Director* for approval.
- 7.2 Within ninety (90) days from the date of the construction of the MHSW Depot the Owner shall submit to the Director as-built details of the facility prepared and stamped by a Professional Engineer, that includes, as a minimum:
  - (a) a site plan, showing the location of site boundaries, fences, gates, buildings, storage areas, receiving areas, storage and spill containment berms;
  - (b) plans showing the interior layout of all buildings/structures used to store MHSW waste;
  - (c) specifications of all storage tanks/drums;
  - (d) details of spill containment systems for all storage areas, which include type of material, dimensions and permeability and calculations demonstrating that the design and capacity is adequate;
  - (e) a detailed description of waste receiving protocols which include record keeping, testing procedures and other methods used to ensure that wastes are properly characterized, safely stored and transferred;
  - (f) details of training;
  - (g) details of waste segregation for incompatible waste;
  - (h) spill and emergency response procedure;
  - (i) confirmation by a Professional Engineer that the design/construction of storage areas are in compliance with the *Ministry's* document "Guidelines for Environmental Protection Measures at Chemical and Waste Storage Facilities" dated May 2007 as amended;
  - (j) a detailed description of how wastes are stored and transferred from the MHSW Depot;
  - (g) a calculation of maximum waste receiving capacity and storage capacity; and
  - (h) a description of all environmental protection measures at the MHSW Depot which address all potential sources of adverse effects.

- 7.3 The MHSW Depot shall only accept, for bulking and temporary storage pending transfer to an approved carrier for disposal elsewhere, the household hazardous waste types in accordance with Item 17 of Schedule "A".
- 7.4 The Owner shall ensure that all MHSW is removed from the MHSW Depot in accordance with Ontario Regulation 347 whenever one of the following are met:
  - (a) when the MHSW building has reached capacity, or
  - (b) at least once every three (3) months.
- 7.5 The *MHSW Depot* shall be supervised at all times during operating hours by staff that have been adequately trained to handle spill emergencies.
- 7.6 Waste received at the MHSW facility shall be stored in the following manner:
  - (a) propane cylinders shall be stored outdoors in a segregated area in a manner which prevents cylinders from being knocked over or cylinder valves from being damaged;
  - (b) all other waste shall be stored in a covered area such that it is sheltered from rain and snow;
  - (c) all liquid wastes shall be stored in secondary containment that meets the requirements of the *Ministry* document entitled "Guidelines for Environmental Protection Measures at Chemical and Waste Storage Facilities" dated May 2007;
  - (d) containers and storage areas containing flammable and/or ignitable materials shall be adequately grounded;
  - (e) storage containers shall be clearly labelled indicating the type and nature of the hazardous waste stored as required by applicable legislation;
  - (f) incompatible waste types shall be segregated during storage;
  - (g) batteries shall be stored in a secure area apart from other wastes and provided with a containment area to ensure against leakage or spilled battery acid; and
  - (h) all waste being transported from the MHSW Depot shall be transported in accordance with Ontario Regulation 347 and the EPA.
- 7.7 The Owner shall not offer MHSW for reuse unless:
  - (a) the waste is in its original packaging, and the label on the package is legible;
  - (b) the waste has been inspected by trained personnel to ensure the waste meets the requirements for reuse for that specific waste type; and
  - (c) the waste is one of the following:
    - (i) waste paint, subject to the requirements of Condition 7.9 below;
    - (ii) aerosols;
    - (iii) waxes and soaps;
    - (iv) motor oil, provided the original container has never been opened;
    - (v) antifreeze, provided the original container has never been opened;
    - (vi) household cleaning products, other than bleach or ammonia, that are no more than 5 years old;
    - (vii)drywall compound;
    - (viii) cement; and

- (ix) fertilizers that do not contain pesticides, provided the original container/packaging has never been opened.
- (d) All waste offered for reuse shall be inspected by trained personnel to ensure that waste meets the requirements for reuse for that specific waste.
- 7.8 The *Owner* shall only offer waste paint for reuse provided that the following conditions are met:
  - (a) the waste paint is contained in the original manufacturer's container;
  - (b) the original manufacturer's label containing product information use and product hazards is clearly legible;
  - (c) the original manufacturer's container is in an undamaged state such that the material may be transported without risk of leaks or spills; and
  - (d) the Owner does not suspect the paint to have been manufactured prior to 1972.
- 7.9 Prior to the construction of the *MHSW Depot*, the *Owner* may receive, store and transfer propane cylinders in accordance with Items 20 and 21 of Schedule "A".

#### 8.0 ENVIRONMENTAL MONITORING

# **Approved Monitoring Program**

8.1 The *Owner* shall conduct environmental monitoring at the *Site* in accordance with the environmental monitoring program outlined in Schedule "B".

# **Changes to Monitoring Program**

- 8.2 (a) The *Owner* may submit a request for changes to the monitoring program to the *District Manager* in accordance with the recommendations of the annual report as described in Condition 10.1.
  - (b) Within fourteen (14) days of receiving the written correspondence from the *District Manager* confirming that the *District Manager* is in agreement with the proposed changes to the environmental monitoring program identified in Condition 6.1(a), the *Owner* shall forward a letter identifying the proposed changes and a copy of the correspondences from the *District Manager* and all other correspondences and responses related to Condition 6.1(b) and 10.1, to the *Director* requesting the *Approval* be amended to reflect the proposed changes to the environmental monitoring plan.
  - (c) In the event that other changes to the environmental monitoring program are proposed outside of the recommendation of the annual report, the *Owner* shall follow current *Ministry* procedures for seeking amendments to the *Approval*.
- 8.3 In the event that new sampling locations are added, the *Owner* shall notify the *District Manager* in writing no later than seven (7) days after the sampling that the location(s) have been added to the environmental monitoring program.

## Well Protection and Maintenance

- 8.4 The *Owner* shall ensure all reasonable efforts are taken to minimize impacts to surface water by leachate impacted stormwater runoff.
- 8.5 The *Owner* shall ensure that all groundwater monitoring wells are properly capped, secure and protected from damage.
- 8.6 Where landfilling is to proceed around monitoring wells, suitable extensions shall be added to the wells, and the wells shall be properly re-secured and protected or decommissioned and replaced with a suitable replacement well, with written concurrence by the *District Manager*.
- 8.7 Any groundwater monitoring wells included in the ongoing environmental monitoring program that are damaged shall be assessed, repaired, replaced or decommissioned by the *Owner*, as required.
- 8.8 The *Owner* shall repair or replace any monitoring well which is destroyed. or in any way made to be inoperable for sampling, but still required as part of the monitoring program, such that no more than one regular sampling event is missed.
- 8.9 (a) All monitoring wells which are no longer required as part of the environmental monitoring program, and have been approved in writing by the *District Manager* for abandonment, shall be decommissioned by the *Owner*, as required, in accordance with applicable regulations and guidelines; and
  - (b) A report on the decommissioning of the well shall be included in the annual report for the reporting period during which the well was decommissioned.

# 9.0 RECORD KEEPING

- 9.1 The *Owner* shall establish and maintain a written record of daily operations at the *Site*. This record must be in a form of a log or a dedicated electronic file and it shall include as a minimum the following information:
  - (a) date of record;
  - (b) hours of operation;
  - (c) an approximation of the type, amount and source of waste received and removed from the *Site*.
- 9.2 The *Owner* shall establish and maintain a written record of all environmental emergency situations at the *Site*. This record shall be in the form of a log or a dedicated electronic file and it shall include, as a minimum, the following information:
  - (a) type of the emergency situation and the resulting environmental impact;
  - (b) actions taken to address the impact; and
  - (c) actions taken to prevent the re-occurrence of a similar emergency situation in the future.

- 9.3 The *Owner* shall establish and maintain a written record of complaints received about the *Site*. The records shall be kept at the municipal office. This record shall be in the form of a log or a dedicated electronic file and it shall include, as a minimum, the following information:
  - (a) date and time of any complaints received at the Site and their nature;
  - (b) name, address and telephone number of the complainant;
  - (c) nature of the complaint;
  - (d) date and description of any remedial actions taken to address the received complaints; and
  - (e) actions taken to prevent the re-occurrence of a similar incident, in the future.
- 9.4 The *Owner* shall establish and maintain a written record of the *Site* inspections. This record shall be in the form of a log or a dedicated electronic file and it shall include, as a minimum, the following information:
  - (a) date and time of inspection;
  - (b) name, title and signature of trained personnel conducting the inspection; and
  - (c) a listing of all equipment, fencing, signs, etc. inspected and any deficiencies observed; and
  - (d) recommendations for remedial action and the completion date of such action.
- 9.5 The *Owner* shall establish and maintain a written record of all occurrences of unapproved waste landfilled at the *Site*. This record shall be in a form of a log or a dedicated electronic file and it shall include, as a minimum, the following information:
  - (a) waste generator (if known);
  - (b) type of unapproved waste;
  - (c) an approximation on the amount of unapproved waste;
  - (d) nature of unapproved waste;
  - (e) steps taken to remove waste material; and
  - (f) actions taken by the Owner to prevent recurrence.

#### 10.0 ANNUAL REPORT

- 10.1 No later than April 30 of each year, the *Owner* shall submit, to the *District Manager*, an annual report covering the previous calendar year. The report shall be prepared by a qualified Professional Engineer, Professional Geoscientist in the Province of Ontario. The report shall contain, but is not limited to, the following information:
  - (a) a summary of type and quantity of incoming waste accepted during the reporting period;
  - (b) a summary of total amount of waste received at the *Landfill*, remaining capacity and remaining life expectancy of the *Landfill*;
  - (c) a summary of the *Site's* operation procedure and compliance in accordance with the Design and Operation Plan;
  - (d) a summary of recycling operations;
  - (e) a section of text describing the Landfill's hydrogeologic setting;
  - (f) a water table contour map;

- (g) a location map illustrating the *Site* relative to nearby potentially sensitive groundwater and/or surface water features;
- (h) a Site Plan(s) illustrating the approved Landfill footprint;
- (i) stratigraphic cross-sections which clearly illustrate the subsurface distribution of geological materials;
- (j) sampling protocols, and a description of any problems encountered during the sampling events which may have impacted the reliability of analytical results;
- (k) interpretation of the data by the author(s), presented in a form that acceptable to the *Director*. All analytical results for all parameters shall be presented in tabular form;
- (l) a comparison of the groundwater sampling results to the *Reasonable Use Guideline* and a discussion of expected and worst-case impacts;
- (m) a comparison of the results of surface water sampling to the Provincial Water Quality Objectives or Interim Provincial Water Quality Objectives described in Water Management, MOE, July 1994, as amended from time to time;
- (n) a discussion on the contaminant attenuation zone and the adequacy of the area for attenuation;
- (o) a discussion on the area of Fill Beyond Approved Limits (FBAL) and its environmental impact;
- (p) a description of the QA/QC protocol used; and
- (q) the conclusions and recommendations of the author(s), especially as they concern future sampling parameters, frequency and protocol.
- 10.2 In the event the *Owner* recommends any changes to the environmental monitoring plan in the annual report, the *Owner* shall provide a cover letter with the submission of the annual report that clearly indicates the report contains proposed changes to the environmental monitoring plan and request the *District Manager* review the proposed changes. The cover letter shall be addressed to the *District Manager*.

#### 11.0 CLOSURE PLAN

- 11.1 (a) The Owner must submit, for approval by the Director, a written closure plan for the Site twelve (12) months prior to closure of the Site. This plan must include, as a minimum, a description of the work that will be done to facilitate closure of the Site and a schedule for completion of that work; and
  - (b) Within ten (10) days after closure of the Site, the Owner must notify the Director, in writing, that the Site has been closed in accordance with the approved closure plan.

#### SCHEDULE "A"

This Schedule "A" forms part of Environmental Compliance Approval No. A361302.

- 1. Application for a Provisional Certificate of Approval for a Waste Disposal Site and supporting documentation requesting an amendment to recognize the Design, Operations and Development Report into the Certificate. The application was dated May 28, 2004 and signed by Barry Wannamaker, Chief Administrative Officer, Town of Bancroft. The supporting documentation included a cover letter and the report entitled "Site Design, Operations and Development Plan Dungannon Waste Disposal Site" prepared for The Corporation of the Town of Bancroft by SGS Lakefield Research Limited dated April 30, 2004,
- 2. Letter dated October 19, 2004 to Mr. Barry Wannamaker, The Corporation of the Town of Bancroft from Mr. Dale Gable, Ministry of the Environment requesting additional information/clarification on the Design, Operations and Development Plan.
- 3. Letter dated December 2, 2004 to Mr. Dale Gable, Ministry of the Environment from Mr. Barry Wannamaker, The Corporation of the Town of Bancroft providing a response to the October 19, 2004 letter.
- 4. Letter dated February 7, 2005 addressed to Mr. Barry Wannamaker, Town of Bancroft from Mr. Dale Gable, Ministry of the Environment requesting additional information on surface water at the site.
- Letter dated August 9, 2005 addressed to Mr. Dale Gable, Ministry of the Environment from Mr. Barry Wannamaker, Town of Bancroft providing a response to the additional information request and addendum to the Design and Operations Plan.
- 6. Letter dated February 23, 2006 addressed to Mr. Barry Wannamaker, Town of Bancroft from Mr. Dale Gable, Ministry of the Environment requesting additional information on groundwater at the site.
- 7. Letter report entitled "Updated Hydrogeological Report Dungannon Waste Disposal Site (A361302)" dated November 27, 2006 addressed to Mr. Dale Gable, Ministry of the Environment from Mr. Tyler Peters, Greenview Environmental Management provided updated hydrogeological information for the site.
- 8. Letter dated June 29, 2007 addressed to Mr. Dale Gable, Ministry of the Environment from Mr. Tyler Peters, Greenview Environmental Management providing comments on the draft notice and an addendum to include a leaf and compost pad and amended recycling/public waste drop-off facility at the site.
- 9. Email dated July 16, 2007 addressed to Mr. Tyler Peters, Greenview Environmental Management from Mr. Dale Gable requesting additional information on recycling/drop off facility.

- 10. Email dated July 16, 2007 addressed to Mr. Dale Gable, Ministry of the Environment from Mr. Tyler Peters, Greenview Environmental Management providing additional information on recycling/drop off facility bunkers.
- 11. Application to amend a Certificate of Approval for a Waste Disposal Site, dated April 3, 2008 and signed by Mr. Barry Wannamaker, CAO/Clerk, the Corporation of the Town of Bancroft.
- 12. Document dated April 7, 2008, prepared by Mr. Tyler Peters, Project Manager, Greenview Environmental Management Ltd., providing supporting information.
- 13. Application for a Provisional Certificate of Approval for a Waste Disposal Site signed by Margaret Nicholson, Deputy Clerk, Town of Bancroft, dated September 15, 2009.
- 14. Letter from Tyler Peters, Greenview Environmental Management, to Ministry of Environment Belleville Area Office, dated August 25, 2009 re: request for approval for waste electrical and electronic equipment transfer station.
- 15. Letter from Tyler Peter, Greenview Environmental Management, to Ministry of Environment Belleville Area Office, dated June 25, 2009, re: request for interim approval for a waste electrical and electronic equipment transfer station.
- 16. Phase 1 WEEE Manual for Collection Sites, Draft, undated, unsigned.
- 17. Report titled "Revised Design, Operation and Development Plan, Dungannon Waste Disposal Site (A361302), Town of Bancroft, County of Hastings, Ontario" dated December 2016, prepared by Greenview Environmental Management Limited.
- 18. Letter dated April 12, 2010 from Tyler Peters, P.Eng., Greenview Environmental to Ranjani Munasinghe, Ministry of the Environment Re: Response to draft Provincial Certificate of Approval.
- 19. Letter dated April 22, 2010 from Tyler Peters, P.Eng., Greenview Environmental to Ranjani Munasinghe, P.Eng., Ministry of the Environment.
- 20. Environmental Compliance Approval Application, signed by Mr. Don Taylor, dated October 2, 2013.
- 21. Letter dated October 3, 2013 from Dan Hagan, B.Sc. Greenview Environmental Limited, re: Application for Administrative Amendment to Environmental Compliance Approval Dungannon Waste Disposal Site (A361302).
- 22. Environmental Compliance Approval Application, signed by Ms. Hazel Lambe, CAO\Clerk, Town of Bancroft, dated June 20, 2016.

- 23. Addendum to the Design, Operations and Development Plan, Blue Box Recycling Transfer Station, prepared for the Town of Bancroft, prepared by Greenview Environmental Management, dated June 2016.
- 24. Drawing No. S100, Retaining Wall and Concrete Slab Plan and Details, prepared by Greenview Environmental Services, Revision 3, dated July 19, 2016.
- 25. RJ-550 Stationary Compactor Design and Specifications.

#### Schedule "B"

This Schedule forms part of the Certificate of Approval No. A361302. It describes the groundwater and surface water monitoring program referred to in Condition 8.1.

#### **B.1.** Groundwater

#### **B.1.1** Groundwater Monitoring Program Objectives

The overall goal of the groundwater monitoring program is to detect and assess effects of the landfill on local water resources. The following objectives have been identified to achieve this goal:

- a) to monitor groundwater quality in the groundwater system;
- b) to identify and characterize movement of leachate related contaminants in the systems;
- c) to evaluate the effectiveness of the attenuation zone; and
- d) to determine the need for implementation of contingency plans.

#### **B.1.2** Monitoring Plan

The groundwater monitoring plan shall be carried out by the *Owner* to address the stated objectives and will include:

## B.1.2.1 Landfill Monitoring Frequency

The groundwater monitoring program shall be conducted twice per year during the spring and late summer/early fall.

## B.1.2.2 Groundwater Monitor Sampling Locations

Table B-1 identifies the groundwater monitors sampling locations. If a monitoring well is dry or damaged then that well does not have to be sampled that sampling event. Static water levels shall be recorded in all the groundwater monitors prior to purging and sampling:

Table B-1: Groundwater Sampling Locations

BH1	BH2	BH3
BH4-1	BH4-2	BH5
BH6	MW06-07	MW06-8
MW06-9	MW06-10	MW06-11
MW08-12	MW08-13	

## **B.1.2.3** Analytical Parameters

The parameters which shall be measured in the field, along with the chemical and physical laboratory analyses which shall be collected on the groundwater samples from the groundwater monitors, shall include the following:

Table B-2: Analytical Parameters

pH (field)	Magnesium	Aluminium
pH (lab)	Potassium	Boron
Temperature(field)	Sodium	Cadmium
Conductivity (field)	Dissolved Organic Carbon	Chromium
Conductivity (lab)	Biological Oxygen Demand	Cobalt
Total Alkalinity (as CaCO <sub>3</sub> )	Chemical Oxygen Demand	Copper
Total Dissolved Solids	Ammonia	Iron
Total Suspended Solids	Phosphorus (Total)	Lead
Hardness	Total Kjeldahl Nitrogen	Manganese
Chloride	Phenols	Nickel
Sulphate	VOC <sup>®</sup>	Vanadium
Nitrate	Arsenic	Zinc
Nitrite	Barium	Total Organic Carbon (TOC)
Calcium	. Mercury	

Notes: (1) - VOCs samples shall be collected every five years. Samples shall be collected from BH2, BH3, BH4-I and BH4-II and BH5

## B.1.2.4 Groundwater Monitor Inspections

Any groundwater monitoring well found to be damaged, not functioning or otherwise improperly maintained, shall within a reasonable time be properly repaired or replaced. The District Manager shall be notified prior to any well being replaced.

## B.1.2.5 Groundwater Monitoring Protocols

Standard and/or generally accepted groundwater sampling (including well development, sample collection, storage and transport) and analytical protocols shall be adhered to during all groundwater monitoring sessions. Groundwater elevation measurements shall be of the static groundwater elevation within the groundwater monitoring well measured prior to well development.

#### B.1.2.6 Method Detection Limits

All laboratory analyses on groundwater samples shall be performed by an accredited analytical laboratory and the detection limits (MDLs) for the specific analyses should commensurate with the standards established in the current Ontario Drinking Water Standards.

## **B.2.** Surface Water

## **B.2.1** Surface Water Monitoring Program Objectives

The primary goal of the Surface Water Monitoring Program is to monitor for any landfill-related impairment of surface water above Provincial Water Quality Objectives (PWQOs). Where the concentration of a specific

<sup>(2) -</sup> TSS and BOD shall be analyzed during each sample event at leachate monitor BH2.

parameter already exceeds the Provincial Water Quality Objective in background surface waters, the aim is to allow no further deterioration of surface water quality.

## B.2.2 Monitoring Plan

The surface water monitoring plan shall be carried out by the *Owner* to address the stated objectives and will include:

## B.2.2.1 Landfill Monitoring Frequency

The surface water monitoring program shall be conducted twice per year during the spring and late summer/early fall.

## B.2.2.2 Surface Water Sampling Locations

Table B-3: Surface Water Sampling Locations

- 1	0337.1	CATO	
- 1	SWI	5 W Z	1
- 1		211 -	

## **B.2.2.3** Analytical Parameters

The parameters which shall be measured in the field, along with the chemical and physical laboratory analyses which shall be collected on the surface water samples, shall include the following:

Table B-4: Surface Water Analytical Parameters

Calcium	Total Kjeldahl Nitrogen
Cadmium	Potassium
Chloride	Phosphorus (Total)
Chromium	Sodium
Copper	Total Suspended Solids
Iron	Total Dissolved Solids
Lead	Sulphate
Magnesium	Zinc
Manganese	Biochemical Oxygen Demand
Mercury	Chemical Oxygen Demand
Nitrate	Dissolved Organic Carbon (DOC)
Nitrite	Phenol
	Cadmium Chloride Chromium Copper Iron Lead Magnesium Manganese Mercury Nitrate

## **B.2.2.4** Surface Water Monitoring Protocols

Standard and/or generally accepted surface water sampling (sample collection, storage and transport) and analytical protocols shall be adhered to during all surface water sampling sessions.

#### B.1.2.5 Method Detection Limits

All laboratory analyses on surface water samples shall be performed by an accredited analytical laboratory and the detection limits (MDLs) for the specific analyses should commensurate with the standards established in the current Provincial Water Quality Objectives.

The reasons for the imposition of these terms and conditions are as follows:

The reason for Condition 1.1 is to clarify that the Certificate of Approval No. A361302 issued April 8, 1980 and subsequent Notices of amendment are no longer in effect and have been replaced and superseded by the terms and conditions of this Approval.

The reason for Conditions 1.2, 1.3, 1.9, 1.10, 1.11 and 1.15 is to clarify the legal rights and responsibilities of the Owner under this Approval.

The reason for Condition 1.4 is to ensure that the Site is designed, operated, monitored and maintained in accordance with the application and supporting documentation submitted by the Owner, and not in a manner which the Director has not been asked to consider.

The reason for Conditions 1.5, 1.6, 1.7 and 1.8 is to clarify how to interpret this Approval in relation to the application and supporting documentation submitted by the Owner.

The reason for Conditions 1.12 is to ensure that the Site is operated under the corporate name which appears on the application form submitted for this Approval and to ensure that the Director is informed of any changes.

The reason for Condition 1.13 is to restrict potential transfer or encumbrance of the Site without the approval of the Director. Any transfer of encumbrance can be made only on the basis that it will not endanger compliance with this Approval.

The reason for Condition 1.14 is to ensure that appropriate Ministry staff have ready access to the Site for inspection of facilities, equipment, practices and operations required by the conditions in this Approval. This condition is supplementary to the powers of entry afforded a Provincial Officer pursuant to the EPA and OWRA

Conditions 1.17 and 1.18 are included, pursuant to subsection 197(1) of the EPA, to provide that any persons having an interest in the Site are aware that the land has been approved and used for the purposes of waste disposal.

The reason for Conditions 2.1, 2.2 and 2.3 is to state the service area, approved waste types and hours of Site operation in accordance with the Owner's application and supporting documentation.

The reason for Conditions 2.4 and 2.5 is to specify access to/from the Site and to ensure the controlled access and integrity of the Site by preventing unauthorized access when the Site is closed and no attendant is on duty.

The reason for Condition 2.6 is that open burning of municipal waste is unacceptable because of concerns with air emissions, smoke and other nuisance affects, and the potential fire hazard.

The reason for Conditions 2.7 and 2.8 is to minimize the exposure of refuse or litter and thereby reduce or eliminate any attraction for birds or vermin. The use and operation of this Site without such conditions may create a nuisance and would not be in the public interest.

The reason for Condition 2.9 is to ensure that immediate action is taken on any spill and that the Ministry is notified.

The reason for Condition 2.10 is to ensure that a current Design and Operations Report is available for the Site at all times. Regular updates of the Report will ensure that the Director is presented with accurate information on the design and procedures for all waste management activities which take place on the Site.

The reason for Condition 3.1 is to clearly state the Landfill's maximum capacity. This is to ensure the long-term health and safety of the public and the environment.

The reason for Condition 3.2 is to ensure that the Site is constructed and operated in accordance with a current Design and Operations Plan.

Condition 3.4 approves the use of shredded construction and demolition waste and bulky wastes as alternative cover material. Bulky waste which are not shredded are also approved to be transferred off-site. Size reduction and/or removal of bulky wastes from the waste landfilled will extend the life of the landfill.

Condition 3.5 approves the temporary storage of construction and demolition waste and bulky items until enough quantity is accumulated for reducing the size.

The reason for Conditions 3.6, 3.7, 3.10 and 3.11 is to ensure the Landfill is operated in accordance with Ministry standards.

The reasons for Condition 3.8 are to specify the approval requirements for use of alternative cover materials at the Landfill and to approve a trial use of specific alternative cover materials to assess their performance at this site.

The reason for Condition 3.9 is to specify the performance requirements of alternative cover material so that the use of alternative cover material does not cause and adverse effect.

The reason for Condition 4.1 is to ensure the Owner is aware that the Recycling Facility is approved to operate in accordance with the submitted information and conditions in the Approval.

The reason for Condition 4.2 is added to ensure that the Recycling Facility is used only to collect, handle and transport waste permitted under this Approval.

The reason for Condition 4.3, 4.4, 4.5 and 4.8 is to ensure that the Recycling Facility is properly managed in an organized manner by adequately trained persons, in order to prevent

environmental detriment.

The reason for Condition 4.6 is to ensure refrigerants from white goods are removed at a reasonable frequency in accordance with the requirements of Ontario Regulation 180/07.

The reason for Condition 4.7 is to minimize risk to public health and safety.

The reason for Condition 4.9 is to ensure the Owner provides a discussion of the Recycling Facility in the annual report.

The reason for Condition 4.10 is to ensure the Recycling Facility is cleaned up and restored to the satisfaction of the Ministry prior to closure.

The reason for Conditions 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7 and 5.8 is to ensure the Compost Facility is constructed and operated in accordance with the Owner's application, supporting documentation and the requirements of the Standard. For further clarity, finished compost used only for Landfill cover need not meet the requirements of the Standard. Any finished compost, except for finished compost leaving the Site as waste, must meet the requirements of the Standard.

Conditions 6.1, 6.2 and 6.3 are included to approve the diversion of waste electrical and electronic equipment in a manner which does not result in a nuisance or a hazard to the health and safety of the environment or people.

The reason for the change to Condition 7.1 is to allow the Owner to collect MHSW for transfer to ensure the long-term health and safety of the public and the environment.

The reason for Condition 7.2 is to require the Owner to prepare and submit an as-built report for the MHSW Depot to ensure the design and construction meets the Ministry's requirements for chemical waste storage facilities.

The reason for Condition 7.3 is to ensure that only acceptable waste is received at the MHSW Depot, and to ensure all waste received is handled in an appropriate manner.

The reason for Conditions 7.4, 7.5 and 7.6 is to ensure that all waste is handled in an appropriate manner, and that any spills are handled in an appropriate manner.

The reason for Conditions 7.7 and 7.8 is to allow the Owner to distribute certain wastes for reuse subject to restrictions.

The reason for Condition 7.9 is to permit the collection, storage and transfer of propane cylinders in advance of the construction of the MHSW Depot.

The reason for Conditions 8.2, 8.3 and 10.2 is to outline a mechanism for making changes to the monitoring program.

The reason for Conditions 8.4, 8.5, 8.6, 8.7, 8.8 and 8.9 is to ensure protection of the natural environment and the integrity of the groundwater monitoring network.

The reason for Conditions 9.1, 9.2, 9.3, 9.4, 9.5, 9.6, 9.7, 9.8 and 9.9 is to ensure that accurate records are maintained to document compliance with the conditions of this Approval, the EPA and its regulations.

The reason for Condition 10.1 to ensure that regular review of Site development, operations and monitoring data is documented and any possible improvements to Site design, operations or monitoring programs are identified. An annual report is an important tool used in reviewing site activities and for determining the effectiveness of Site design.

The reason for Condition 11.1 is to ensure the Owner submits a plan to ensure there is an established approved plan for the closure and post-closure maintenance of the Site. This is to ensure the long-term health and safety of the public and the environment.

The reason for Conditions 3.12 is to allow the Owner to reduce the CAZ area once the CAZ needed to bring the Landfill into compliance is delineated and the land is severed.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). A361302 issued on March 3, 2014 and amendments dated April 16, 2016 and August 15, 2016

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

- a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
- b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

Pursuant to subsection 139(3) of the Environmental Protection Act, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

The Notice should also include:

- 1. The name of the appellant;
- 2. The address of the appellant;
- 3. The environmental compliance approval number;
- 4. The date of the environmental compliance approval;
- 5. The name of the Director, and:
- 6. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary\*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Director appointed for the purposes of Part II.1 of the Environmental Protection Act Ministry of the Environment, Conservation and Parks 135 St. Clair Avenue West, 1st Floor Toronto, Ontario M4V 1P5

\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca

The above noted activity is approved under s. 20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 7th day of September, 2018

Dale D. Gobba

Dale Gable, P.Eng.

Director

appointed for the purposes of Part II.1 of the Environmental Protection Act

IP/

c: Area Manager, MECP Belleville

c: District Manager, MECP Kingston - District
Dan Hagan, Greenview Environmental Management Ltd., The Corporation of the Town of Bancroft

	 	-

Appendix B



# **Project Grant**

## CIF Project Number 974 - Bancroft Depot Upgrade - Compactors

DATE: November 3, 2016

TO: Town of Bancroft (the "Recipient")

#### WHEREAS:

- A. Waste Diversion Ontario, a corporation incorporated by the *Waste Diversion Act*, 2002 (Ontario) ("WDO"), maintains a fund known as the Continuous Improvement Fund, that funds improvements in recycling practices by Ontario municipalities, comprised of a portion of the fees paid to municipalities by stewards under the Blue Box Program Plan.
- B. The Continuous Improvement Fund ("CIF") is a committee of Waste Diversion Ontario, and has been established through an agreement among the Associations of Municipalities of Ontario, the City of Toronto, Stewardship Ontario and WDO under the Blue Box Program Plan.
- C. Stewardship Ontario, a corporation continued under the *Waste Diversion Act*, 2002 (Ontario), acts as custodian of the CIF monies and is to provide funding to the Recipient.
- D. The Recipient made an application to the CIF for a grant to assist in the cost of their project entitled: **Bancroft Depot Upgrade Compactors** (the "Project"). A copy of this application is attached hereto as Schedule "A" (the "Application").
- E. The CIF has agreed to provide the grant to the Recipient to assist in financing the cost of the Project as set out below:

#### 1. Grant

Based on the Application, WDO and Stewardship Ontario hereby agree to provide a grant from the CIF to the Recipient in the aggregate amount of 23% of the blue box related Project costs up to a maximum of \$69,349, inclusive of any applicable taxes, government levies or governmental imposts of any kind (the "Grant"), to be applied by the Recipient toward the cost of the Project.

The Project shall be carried out by the Recipient in consultation with the CIF Managing Director. The Recipient shall devote a sufficient amount of staff time and other resources to carry out the Project in accordance with the timelines, budget and other contingencies

CIF Project Grant Page 1 of 17

set out in the appendices hereto. The Recipient shall act in accordance with any policy established by the CIF related to the completion of project grants.

## 2. Budget

The Grant is based upon the budget for the development and implementation of the Project set out in Schedule "B" hereto.

#### 3. Disbursement of Grant

The Grant will be disbursed by the CIF to the Recipient as the Project progresses, in accordance with the schedule set out in Schedule "C" hereto. The Recipient shall invoice the CIF for each disbursement of a portion of the Grant and will provide such documentation to substantiate any such request, as the CIF may reasonably require. Disbursement requests are to be addressed to the CIF Managing Director at the addresses (mail or email) noted below. Satisfactory completion of the Project report and final disbursement shall be at the sole discretion of the CIF acting reasonably.

## 4. No Transfer or Encumbrance of the Project

The Recipient shall not sell, assign or transfer the Project to a third party nor mortgage, charge or otherwise encumber the Project without the prior written approval of the CIF or repayment of the Grant.

## Repayment of Grant

In the event of any material breach by the Recipient of the terms of the Application or this Agreement which is not remedied within thirty (30) days following written notice by the CIF to the Recipient or any failure by the Recipient to carry out the Project in accordance with the timetable set out in the Application or in this Agreement (subject to any delay which may be acceptable to CIF acting reasonably), the Recipient shall repay all amounts received on account of the Grant and WDO and Stewardship Ontario shall be relieved of any obligation to disburse any remaining unutilised portions of the Grant.

#### 6. Notices

All notices, requests, demands or other communications (collectively "Notices") by the terms hereof required or permitted to be given by one party to any other party, or to any other person shall be given in writing by personal delivery or registered mail (postage prepaid), by facsimile transmission, or by email to such other party as follows:

Waste Diversion Ontario
4711 Yonge Street, Suite 1102
Toronto, ON M2N 6K8
Attention: Geoff Rathbone, WDO Director of Operations & Oversight
Tel: 416-226-5113, ext. 290 Email: geoffrathbone@wdo.ca

CIF Project Grant Page 2 of 17

## With a copy to:

Continuous Improvement Fund
132 Commerce Park Dr., Unit K, Ste. 511
Barrie, ON L4N 0Z7
Attention: Mike Birett, Managing Director
Tel: 905-936-5661 Email: mbirett@wdo.ca

## To Stewardship Ontario at:

Stewardship Ontario
1 St. Clair Avenue West, Suite 700
Toronto, On M4V 1K6
Attention: David Pearce, Supply Chain Officer
Tel: 416-323-0101 ext. 183 Email: dpearce@stewardshipontario.ca

## To the Recipient at:

Town of Bancroft 24 Flint Ave., P O Box 790 Bancroft, ON K0L 1C0 Attention: Hazel Lambe, CAO/Clerk

Tel: 613-332-3331 ext 208 Email: hlambe@bancroft.ca

Or at such other address as may be given by any such person to the other Parties hereto in writing from time to time.

#### 7. General

- (a) The Parties recognize the importance of making information about the Project available for public use. The Recipient shall cooperate fully in providing information which is not of a commercially confidential nature on the Project, as requested by the CIF Managing Director, for publication by the CIF on websites, at conferences and in newsletters.
- (b) The Recipient shall, at their own cost, present the results and learnings from their project at a public event organized by the CIF within 12 months of submission of their project report if so requested by the CIF Managing Director. The CIF may elect to provide financial assistance to remote municipalities toward the cost of such presentations.
- (c) The Recipient shall recognize and state in an appropriate manner, as approved by the CIF Managing Director, the support offered by CIF, WDO and Stewardship Ontario under this Grant. Unless the Recipient has received written notice to the contrary from the CIF Managing Director, the following shall be incorporated into

CIF Project Grant Page 3 of 17

the reports and other documents produced by the Recipient and any subcontractor in connection with the Project:

11

This Project has been delivered with the assistance of the Continuous Improvement Fund, a fund financed by Ontario municipalities and stewards of blue box waste in Ontario. Notwithstanding this support, the views expressed are the views of the author(s), and CIF, Waste Diversion Ontario and Stewardship Ontario accept no responsibility for these views.

- (d) It is understood and agreed that neither WDO nor Stewardship Ontario has any ownership interest in the Project and neither WDO nor Stewardship Ontario has any responsibility for or liability with respect to the operations of the Project.
- (e) There is no relationship of partnership, agency, joint venture or independent contractor between or among WDO, Stewardship Ontario and/or the Recipient and none of them has any right to bind any of the others to any contractual obligation.

CIF Project Grant Page 4 of 17

100000000000000000000000000000000000000	
STEV	VARDSHIP ONTARIO
By:	
	Name: David Pearce Title: Supply Chain Officer
	*** ***
DATE	ED this day of, 2016
WAS	TE DIVERSION ONTARIO
By:	
	Name: Geoff Rathbone
	Title: WDO Director of Operations & Oversight
undersigned further respect of any loss the funding or ope Ontario's negligen	ereby acknowledges and accepts the Grant on the terms set out above. The er agrees to indemnify and hold WDO and Stewardship Ontario harmless in es, costs, claims, damages or expenses incurred by either of them in respect of ration of the Project save to the extent caused by WDO's or Stewardship ce or wilful misconduct.
DATE	D this 7th day of November, 2016
To	wn of Bancroft
Ву	- The fact of the
Ву	
	Name: Hazel Lambe Title: CAO/ClerK

DATED this \_\_\_\_\_ day of \_\_\_\_\_\_\_, 2016

# SCHEDULE "A" APPLICATION FOR GRANT

Forms for 2016 Request for Expressions of Interest for CIF Funding for Priority Projects

#### 5.1 Applicant General Information

FORM INSTRUCTIONS: To use this form, place your cursor/text tool in the first text box. The boxes will expand as necessary to accommodate the information. Use your tab key to jump to the next text box.

## FORM 1: Applicant General Information (Mandatory)

Municipality or Program Name:	Town of Bancroft	
Project Contact (name and title):	Tyler Peters, P.Eng - Project Director Dan Hagan, B.Sc Senior Project Manager (Agents for Town of Bancroft)	
Mailing Address:	13 Commerce Court PO Box 100 Bancroft, ON KOL 1CO	
Email Address:	tyler.peters@greenview-environmental.ca dan.hagan@greenview-environmental.ca	
Phone Number:	613-332-0057	
Fax Number:	none	
URL (if applicable):	https://greenview-environmental.ca/	

Note: Do not submit the same project under multiple funding categories. If you w	
project to be considered under more than one funding category please check thi	box:

Work through the Form(s) to fill in as many details as you can. Contact a CIF staff member as needed to complete remaining portions. Be sure to review your submission for accuracy and complete every field not marked as "Optional." Please check which (if any) supporting documentation is attached to this submission that will help describe or support your project.

Please note that projects are expected to be commenced and completed within the timelines stated in your application form(s). CIF reserves the right to terminate projects and cease funding for projects not commenced or completed on time.

Continuous Improvement Fund 2016 REOI: Closing Date: May 18, 2016 at 4:00 p.m.

Collection records		Staff reports (to Council, etc.)	
Processing records	$\boxtimes$	Council resolutions	
Contracts or agreements		Other + please specify:	
─ Waste Management planning doc	uments		
Date: May	18	2016	
(Month)	(Day)	(Year)	
	Dar - Gr ect Contact) Lim	. Hagan, B.Sc Senior Project Mana eenview Environmental Managem ited	
(Name of Authorized Sign	Dar - Gr ect Contact) Lim ing Officer) Haz	. Hagan, B.Sc Senior Project Mana eenview Environmental Managem ited el Lambe*	
	Dar - Gr ect Contact) Lim ing Officer) Haz	. Hagan, B.Sc Senior Project Mana eenview Environmental Managem ited el Lambe*	

Continuous Improvement Fund 2016 REOI: Closing Date: May 18, 2016 at 4:00 p.m.

CIF Project Grant Page 7 of 17

#### 5.3 Projects Achieving Cost Savings

## FORM 3: Projects Achieving Cost Savings

For a description of the funding opportunity, refer to REOI section 3.3 Projects Achieving Cost Savings. Work through the Form to fill in as many details as you can. Contact a CIF staff member as needed to complete remaining portions.

#### Section 1 - Form 3 Details

Project Title: Insert the short title of your proposed project:

Municipal Blue Box Recycling Optimization Project

2. Project Description: What are the key features of the project?

The Town of Bancroft (Town) has reviewed its current Blue Box recycling operations, for both Curbside Collection (contracted service) and Depot Collection (completed by municipal staff) at the Dungannon Waste Disposal Site transfer station.

As the Town is currently (2016) in a position whereby a new contract is required to proceed with Curbside Collection of Blue Box recyclables by its service provider in 2017 and beyond (the contract with service provider has been provided on a series of single-year extensions on an on-going basis for many years).

Based on the fact that the annual increase for Curbside Collection services by its service provider has increased on average by 6% per year over the last five years, and per information communicated to the Town by its service provider that a new contract could potentially increase by as much as 30% in 2017 (i.e. five-year contract), the Town retained the professional services of Greenview Environmental Management Limited (Greenview) to prepare a Municipal Blue Box Recycling Operational Planning Review.

The Municipal Blue Box Recycling Operational Planning Review (BB Planning Review) reviewed the Town's current management practices and developed a number of alternatives for evaluation compared to the Status Quo, whereby the existing management of Blue Box materials would be maintained, at estimated increases in cost, based on the current annual increase of 6% (past 5 year average), versus annual cost increases escalating up to and including 30%, based on an expected new service contract with a recycling collection and haulage Contractor.

Using available information and validated cost estimates, a Proposed Alternative was developed that accounted for material revenues, capital expenditures, operating costs, and

Continuous Improvement Fund 2016 REOI: Closing Date: May 18, 2016 at 4:00 p.m.

other pertinent aspects of changing the management of recycling collection for Blue Box services in the Town for Curbside and Depot Collection to a system using only municipal forces, thereby removing the need for a private Blue Box recycling service provider. We note that a number of working alternatives and associated cost evaluations were undertaken as part of this study; however, only the Proposed Alternative has been presented from a feasibility perspective.

The Proposed Alternative was formulated on the Town taking on the responsibility of managing its Blue Box recycling through a cost saving and operational efficiency strategy. The proposal includes the Town establishing three (3), stationary Blue Box recycling compactor units and related infrastructure at the Town's Dungannon Waste Disposal Site (see attached Drawing C-1 and BB Planning Review), for compaction of mixed fibres, mixed containers, and old corrugated cardboard (OCC), as collected at Curbside and/or received at the Depot site. Operationally, the inclusion of a leased 2-stream Curbside Blue Box recycling collection vehicle for use by Town forces was included, and current estimates of tipping fees at respective material recovery facilities (MRFs), to be contracted independently by the Town, as preferred.

In comparing the Proposed Alternative to the Status Quo options, cumulative cost savings are realized in all options within 4 years (by year 2020). It is noted that the longest payback period is associated with the 6% annual increase for currently outsourced Blue Box services, and it is more realistic to assume that the increase in the current service would be between 10% and 30%. At the higher end of this scale, the payback is immediate (i.e. direct savings). Over the 10-year planning horizon, cost savings for implementing the Proposed Alternative compared to the Status Quo options are estimated between \$67,013 and \$128,564.

The Proposed Alternative also provides for significantly-increased operational flexibility and reduced risk, whereby the Town can further develop and refine the operational specifics of the alternative, to best suit the Town's needs and Blue Box recycling service to its ratepayers.

The BB Planning Review was presented to Council of the Town of Bancroft on May 10, 2016. Subsequent to the presentation of the BB Planning Review, Council Resolution # 157-2016 (attached), directed staff (and its agents) to prepare an application in response to CIF's REOI for Cost Savings Projects (Form 3).

Approval to proceed with the project from Town Council is anticipated for May 24, 2016, and completion of the project is required by December 31, 2016, for formal launch on January 1, 2017. The Town anticipates proceeding with the detailed design, approvals, and tendering of the project with immediate effect upon Town Council approval, planned for May 24, 2016. The detailed BB Planning Review (and associated documents) are attached to this application for CIF review.

Continuous Improvement Fund 2016 REOI: Closing Date: May 18, 2016 at 4:00 p.m.

CIF Project Grant Page 9 of 17

#### Section 2 - Blue Box Program Costs & Cost-Effectiveness

When this project is fully implemented (completely operational), how will it affect your Blue Box program costs and costs per tonne?

 How will this project save your municipality money on an annual basis or over the planned payback period? Please attach a copy of the draft budget showing both capital and operating impacts over the project period. A sample payback calculation spreadsheet is available here: Sample Payback Calculation Spreadsheet.

Per the attached BB Planning Review (see Tables 1 to 6), the following payback calculations for the Preferred Alternative compared against the various potential Status Quo increases

```
Payback - Proposed Alternative vs. Status Quo (6% increase) = 4-year (2020)
Payback - Proposed Alternative vs. Status Quo (10% increase) = 3-year (2019)
Payback - Proposed Alternative vs. Status Quo (15% increase) = 2-year (2018)
Payback - Proposed Alternative vs. Status Quo (30% increase) = Immediate (2017)
```

2. How will you monitor, measure and report the project effects on your program's cost effectiveness? Monitoring, measurement and reporting of the project results is a mandatory requirement. Please provide sufficient details including costing or provision for consulting/staff time for this requirement. A Guidance Document for Monitoring & Reporting of CIF Funded Projects is available here: Project Monitoring/Reporting Guidebook.

Monitoring, measurement, and reporting of the projects results is anticipated to incorporate the following details of the Preferred Alternative:

#### Blue Box Tonnage Review

A detailed review of Blue Box tonnages, from both Curbside and Depot operations, would be considered as part of the Preferred Alternative monitoring and reporting. The review is anticipated to consider Blue Box tonnage data from 2015 and 2016 (pre-implementation) and from 2017 (post-implementation). In order to make reasonable determinations of Curbside vs. Depot tonnages, compactor truck loads of Curbside-related Blue Box materials collected would be required to be weighed at locally-available, private weigh stations. It is anticipated that quarterly/seasonal weigh scale programs would need to be conducted in order to account for seasonal variations in quantities of Blue Box recyclables. The goal of the Blue Box tonnage review would be to, as accurately as possible, determine tonnage splits between Curbside and Depot operations within the Town, and compare total tonnages between pre-implementation (2015 & 2016) and post-implementation (2017). As compacted roll-off containers of Mixed Fibres, Mixed Containers, and OCC would be transported directly from the Town's Depot at the Dungannon WDS to a Material Recovery Centre (MRF) of the Town's choosing (based on negotions in 2016 with local MRFs following initiation of the project), accurate tonnage data

Continuous Improvement Fund 2016 REOI: Closing Date: May 18, 2016 at 4:00 p.m.

CIF Project Grant Page 10 of 17

would be available from the MRFs to be compared to weigh-scale information from Curbside Collection operations. A focus would also be on determining more accurate splits between Residential and IC&I components of the Curbside and Depot Blue Box operations of the Town of Bancroft.

Blue Box Recycling Operations Financial Review

A detailed comparative review of pre-implementation (2015 and 2016) vs. postimplementation (2017) is anticipated to be completed by the Town. This would include cost comparisons of Curbside and Depot operations of the Blue Box program from 2015 and 2016 versus 2017 program data. Actual Financial costs inclusive of Blue Box-related Revenues, Capital Costs, and Operating Cost would be reviewed in detail from 2015, 2016, and 2017, and compared against the Anticipated Costs for the implementation of the project (per the attached BB Planning Review).

Any other reporting requirements that may be required for the program would be negotiated between the Town of Bancroft and CIF upon awarding of funding, including any of the specific reporting requirements discussed in CIF's Guidance Document For Monitoring & Reporting of CIF Funded Projects.

It is anticipated that a detailed Summary Report for the entire project would be prepared by the Town of Bancroft, including the report proper, tables, design drawings, and appendices.

It is anticipated by the Town of Bancroft that, due to the changes that would be required to be implemented as part of the program change (i.e. revised Blue Box Curbside collection schedules, etc.), a focused Promotion and Education (P&E) campaign to support the project would need to be launched and implemented in advance and concurrently with project implementation. The detailed Summary Report would therefore need to describe in detail the P&E campaign and any related P&E marketing materials would be included in the report.

Additional comments:

Section 3 - Blue Box Diversion

Continuous Improvement Fund 2016 REOI: Closing Date: May 18, 2016 at 4:00 p.m.

CIF Project Grant Page 11 of 17

Describe what effect this project will have on your overall Blue Box diversion (i.e. tonnes of Blue Box materials sent to market) and any potential implications that this project will have on overall Blue Box diversion for your program and neighbouring programs (if applicable).

By bringing all Blue Box Curbside Collection operations under municipal control, the Town of Bancroft anticipates that more accurate and defined tonnages of Mixed Fibres, Mixed Containers, and OCC would be understood with implementation of the program. Currently, based on operations by the Town's Curbside service provider, Curbside Collection of Blue Box recyclables can either be single-stream or two-stream. The Town has no control over the methodology of collection practices and therefore has no control over the quality of the Blue Box tonnage data received from the service provider. Additionally, OCC at Curbside is understood to be being collected as part of the Mixed Fibres stream (in two-stream collection) and/or as part of singlestream collection. All potential revenue is understood to be lost by the Town in this situation/arrangement.

In addition to the cost savings anticipated by the Town as part of implementation of the project (see attached BB Planning Review), improvements in the quality of Blue Box data from a Mixed Fibres, Mixed Containers, and OCC point of view is anticipated. Additionally, we expect there to be an increase in diversion for each Blue Box stream, as well as better control/reductions in the Residual component of the Blue Box recylables sent to market, based on the Town's control over a tag-and-leave program and additional P&E efforts.

#### Section 4 - Program Improvements and Regionalization Benefits

What other effects will this project have on your program or on other communities? Use this section to describe whether you plan to work with other communities to develop and deliver the project, how the costs/savings might compare with other similar projects.

Will the proposed project (please select all that apply):

Help your program adapt to changes in the material mix (i.e. permit collection of more lightweight containers, manage seasonal variations, prepare for future

materials)? Describe:

Through more detailed Blue Box recyclable material tracking (i.e. weigh-scale programs in spring/summer/fall/winter), the Town anticipates that a better understanding of seasonal usage/traffic within the Town (specifically with cottagers in the summer months) will be understood upon implementation of the project. Since the Town will be responsible for all aspects of the Blue Box program, they will be better positioned to adapt to changes in material mix and/or future materials while at the same time mitigating against negative financial issues resulting from any changes.

	_			Descri	
1 1	Proces	S IN ATM THE	atemai	PERMIT	ne-

Be transferable to other communities. Describe:

This project is anticipated to be transferable to other small, rural communities neighbouring the Town of Bancroft. Additionally, the conceptual plan for the new

Continuous Improvement Fund 2016 REOI: Closing Date: May 18, 2016 at 4:00 p.m.

		enough to accommodate add	at the Dungannon WDS is anticipated to be large ditional Blue Box materials from neighbouring hat there is mutual municipal interest in the future for
		None of the above	
2.	What	other effects will this project h	nave?
	This	project is anticipated to have	the following additional positive impacts:
	- Cos	t savings on an annual basis i	for Blue Box operations.
	- Re	luced municipal risk for oper	ations of the Blue Box recycling program.
		reased operational flexibility	
			to negotiate a more beneficial MRF contract(s) and
		ntially increase Revenues fro	
		ential to increase the level of irbside Collection operations	service for ratepayers in the Town of Bancroft with respec
3.	Will yo	ou work with other municipal	ities/partners to develop and deliver this project?
	Ye	s. What municipalities will yo	ou work with and how will they benefit?
	At thi		ne project. A multi-municipal component to this project sed on mutual municipal interest, based on the conceptual at the Dungannon WDS.
1,	How d	o you plan to share costs or sa	avings with partner municipalities?
	N/A		
5.		at stage are you in planning yo below:	our work with other municipalities? Please select your
	☐ Pr	eliminary discussions	Awaiting council approval
	☐ Di	aft agreement	Agreement in place. Date:
	⊠ 0t	her - please describe: None at th	nis time.
		- Project Costs and Payback	
101	w much	will it cost to implement the	project and how long is the expected payback period?
_	-	Continuous Improvement Fund 2	2016 REOI: Closing Date: May 18, 2016 at 4:00 p.m.

CIF Project Grant Page 13 of 17

(Attach budget detail spreadsheets). A sample payback calculation spreadsheet is available here: Sample Payback Calculation Spreadsheet What is the total cost of completing the proposed project? \$477,400 (capital only w/ 10%) contingency) What is the total funding requested from CIF? \$238,700 (50%) 3. What is the project payback period for CIF support? No more than 4 years, based on anticipated minimum 6% increase in cost for Curbside Collection per year over 10-year planning horizon. Additional comments: See attached BB Planning Review. Section 6 - Project Management and Implementation In this section, provide as much information as you can about project management, timing and Please identify staff and consultants who will be responsible for this project. Project Manager Name Dan Hagan, B.Sc. Title Senior Project Manager Affiliation Greenview Environmental Management Limited Role in Project Project Manager / Agent of Town of Bancroft Related Experience see attached resumes 2. Additional project team members - Please identify key staff/consultants, their roles and related experience (optional). Tyler Peters, P.Eng. - Project Director - Greenview Environmental Management Limited Perry Kelly - Director of Public Works - Town of Bancroft 3. Project Timing: - Upon project approval, how soon can this project be ready to start? Please select your choice below: Budget approved by council & project underway \$ Date started: Budget approved by council; project not yet started. \$ Date approved: Awaiting budget and/or council approval

CIF Project Grant Page 14 of 17

Continuous Improvement Fund 2016 REOI: Closing Date: May 18, 2016 at 4:00 p.m.

Other - please describe: Town Council approved proceeding with CIF REOI application with Council Resolution # 157-2016 (attached).

4. How many months will it take to complete the proposed project from start to finish?

June - December 2016. Start of new program to be instituted on January 1, 2017.

Additional Comments:

#### RESOURCES:

- MIPC Provincial Optimization Study
- CIF Funding Process web page
- · Project Monitoring/Reporting Guidebook
- Sample Payback Calculation Spreadsheet

Email this completed form in MS Word format along with any supporting documentation to:

Bradley Cutler
Project Coordinator
Continuous Improvement Fund
Off 705-478-8154
bradleyrcutler@gmail.com

Continuous Improvement Fund 2016 REOI: Closing Date: May 18, 2016 at 4:00 p.m.

CIF Project Grant Page 15 of 17

## SCHEDULE "B" BUDGET

Part 1: Capital Purchases (Residential Portion)	Unit Cost	Interest Rate (%)	Units Purchased	Unit Lifetime	Salvage Value	Total Cost
Compactors (2 residential)	\$61,667		2	10.0	7- 1	\$123,333
Construction	\$127,100		65%			\$82,615
Monitoring, measurement/reports	\$5,000		65%			\$3,250
Engineering	\$36,800		65%			\$23,920
Containers	\$7,600		4	10.0		\$30,400
P&E	\$9,000		65%			\$5,850
Contingency	\$26,937	10%	1			\$26,937
	TOTAL	Capital It	ems	,		\$296,305

CIF Project Grant Page 16 of 17

## SCHEDULE "C" DISBURSEMENT OF GRANT

The Grant will be disbursed as follows upon compliance with the contingencies outlined in your funding award, i.e.:

- The submission and approval of a final monitoring and measurement plan that meets the requirements of the CIF;
- The Recipient must complete and submit a depot cost model spreadsheet, supplied by the CIF, within one month of this Grant's execution;
- Graphic design for depot signage will be approved by the CIF prior to production;
- Final report will be developed in accordance with CIF monitoring and measuring guidelines and, amongst other things, compare capital and operating costs one year before and one year after the new equipment is installed; and
- Should the Recipient cease to use the equipment before the project payback is achieved, the Recipient agrees to refund the CIF portion of the unrecovered project savings.

Milestones	Tasks / Description	Anticipated Completion Date	Grant Contribution (funding percentage*)
1 – Monitoring & Measurement Plan	Submission of a Monitoring & Measurement Plan. Please refer to CIF guidance document	November 30, 2016	
2 —Purchase and Installation	Purchase and installation of compactors: Photos demonstrating that the equipment has been delivered to the site and documentation confirming that capital expenditures have been incurred in connection with the purchase of this equipment.	January 30, 2017	23% of project cost to date up to \$34,675
3 – Commissioning	Provide the CIF with confirmation that the equipment commissioning meets the installation and testing specifications outlined by the vendor	February 28, 2017	23% of Milestone 3 project cost up to \$17,337
4 - Final Report**	Submission of final report summarizing Project, including performance, impact, savings and learnings per Article 3 and to the satisfaction of the CIF Director.	March 30, 2018	23% of balance of remaining project cost up to \$17,337
TOTAL GRANT (includes 1.76% non-recoverable taxes)			\$69,349

\* Funding percentage of blue box related project cost. Project cost is defined as: Funding percentage of blue box related project costs or other costs approved by CIF.

\*\* Final disbursement based on 25% of the total approved funding amount and payable upon receipt of a final project report and invoice.

# **Appendix C**

# **Photograph Log**



Photo 1 (May16-16) View of Pre-project Blue Box Recycling Transfer Station and open-topped roll-off containers.



Photo 2 (May16-16) View of Pre-project Blue Box Recycling Transfer Station and open-topped roll-off containers



# **Photograph Log**



Photo 3 (Sep07-16) Project start including deconstruction of existing retaining wall.



**Photo 4** (Sep07-16) Project start including sub-excavation in advance of new granular emplacement for new retaining wall.



# **Photograph Log**



**Photo 5** (Sep07-16) Project start including sub-excavation in advance of new granular emplacement for new retaining wall.



Photo 6 (Sep12-16) Installation of new granulars in advance of new retaining wall and concrete pad contruction.





Photo 7 (Sep15-16) New retaining wall construction and progressive backfilling.



Photo 8 (Sep15-16) Progressive emplacement of new retaining wall blocks.





Photo 9 (Sep20-16) Installation of drainage enhancements for retaining wall.



Photo 10 (Sep21-16) Installation of electrical requirements for Blue Box recycling stationary compactors.





Photo 11 (Sep20-16) Geogrid installation for new retaining wall.



Photo 12 (Sep23-16) Final backfilling of new granulars for reconstructed retaining wall.





Photo 13 (Sep29-16) Rebar installation in advance of installation of new concrete pad.



Photo 14 (Sep30-16) New concrete pad for Blue Box recycling stationary compactors.





Photo 15 (Nov08-16) Delivery and installation of three (3) Blue Box recycling stationary compactors.



Photo 16 (Nov14-16) Three (3) Blue Box recycling stationary compactors installed on concrete pad.





**Photo 17** (Dec01-16) Training event by supplier for municipal staff for operation of Blue Box recycling stationary compactors.



Appendix D

## Payback Analysis: CIF Project #974

- 1) Use the reference tabs for common costs, amortization and other necessary information
  2) Enter your information in the light yellow cells
  3) You may change row labels as required. If you want to add rows, click the 'Review' tab and select "unprotect" there is no password. Then insert a row where required

Annual Operating Costs	Unit Cost	Units per Year	Total Cost
Maintenance			\$1,300
Electricity			\$3,900
Fuel and Equipment Repairs			\$6,825
Municipal Labour Depot (burdened costs)			\$80,600
License Fees			-
Insurance			\$600
Contractor Charges - BFI Contract (Residential - Curbside & Depot) - includes tipping fees			\$112,750
Processing Surcharges			-
Customs and Handling Charges			-
Storage Costs			-
Monitoring and Measuring			-
Advertising P&E			\$650
All in Operting Costs			-
Other (specify)			
Other (specify)			
Rental or Lease Payments			
Amortization Payments			-
Annual Revenue Applicable to Operation			-
TOTAL Annual Cost for Current Practices	\$0		\$206,625

The New Plan - Actual Project Costs						
Part 1: Capital Purchases	Unit Cost	Interest Rate (%)	Units Purchased	Unit Lifetime	Salvage Value	Total Cost
Blue Box Compactors (2x) & Compaction Roll-off Containers (4x)	\$149,839.95	5	1	10.0 years	-	\$149,840
Construction & Engineering	\$123,282.43	3	1			\$123,282
Promotion & Education	\$152.78	3	1			\$153
Monitoring, Measurement, & Reporting	\$1,017.25	5	1			\$1,017
Contingency (10%)		-	1			
TOTAL Capital Items						\$274,292

Part 2: Post-Project Operating Costs (2017; Residential ONLY)	Unit Cost	Units per Year	Total Cost
let Residential Blue Box Costs (per 2017 Datacall)			-
, ,			-
lue Box Curbside Collection Operating Expenses			
Direct Curbside Collection Cost (MF & CC)			\$37,513.90
Direct Curbside Collection Cost (OCC)			\$10,960.56
Recycling Vehicle Repair (MF & CC)			\$16,264.08
Recycling Vehicle Repair (OCC)			\$4,275.80
Recycling Vehicle Fuel (MF & CC)			\$10,952.81
Recycling Vehicle Fuel (OCC)			\$3,242.04
Recycling Vehicle Licenses & Permits			\$5.19
Recycling Vehicle Insurance (MF & CC)			\$611.04
Recycling Vehicle Insurance (OCC)			\$164.16
Safety Equipment & Workware			\$180.97
L. D. D. L. (T. L. C. C. C. L. M. L. III.)			-
lue Box Depot / Transfer Station Material Handing Costs			\$27,567.76
Dept/Transfer Facility Staffing			\$8,906.63
Foremen/Supervisors			\$2,383.19
Equipment Repairs and Maintenance			\$1,312.12
Equipment Rentals			\$241.55
Miscellaneous Supplies Bobcat Repairs (Material Handing & Site Maintenance)			\$241.55 \$131.12
Bobbat Repails (waterial Fahiling & Site Walliferiance)			φ131.12 -
lue Box Depot / Transfer Station Cost			_
Building Repairs & Maintenance			\$1,107.14
Building Insurance			\$1,727.73
Utilities - Hydro			\$2,126.33
Utilities - Gas			\$638.06
Fire Alarm & Sprinkler Maintenance			\$123.87
Taxes			\$2,998.44
Safety Equipment and Workwear			\$641.14
in / Rolloff Removal / Transfer			\$25,872.44
lepreciation 2017 - Annual Cost - Initial Depot/Transfer Equipment (Compactors & Bins)			\$13,177.48
017 Residential-Related Blue Box Revenues (from HGC Management Inc MRF)			(\$24,664.58)
017 Residential-Related Blue Box Tipping (Processing) Fees (from HGC Management Inc MRF)			\$808.78
1017	AL Annual Cost	for NEW Practices	<b>\$149,269.7</b>

Savings and Payback	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8
Annual Savings	\$57,355.25	\$57,355.25	\$57,355.25	\$57,355.25	\$57,355.25	\$57,355.25	\$57,355.25	\$57,355.25
Year End Balance	\$216,937.16	\$159,581.91	\$102,226.66	\$44,871.41	-	-	-	-
Payback on Total Project Costs (net of CIF Funding)	4.8 years		4.8 years					
Pay Back Period (CIF Contribution)	1.2 years	25%	\$69,349	Insert funding	requested here			
Payback on Total Project Costs (excl. of CIF Funding)	3.6 years	_						

# Appendix E



# 2016 Municipal Datacall Summary Report Resource Productivity & Recovery Authority

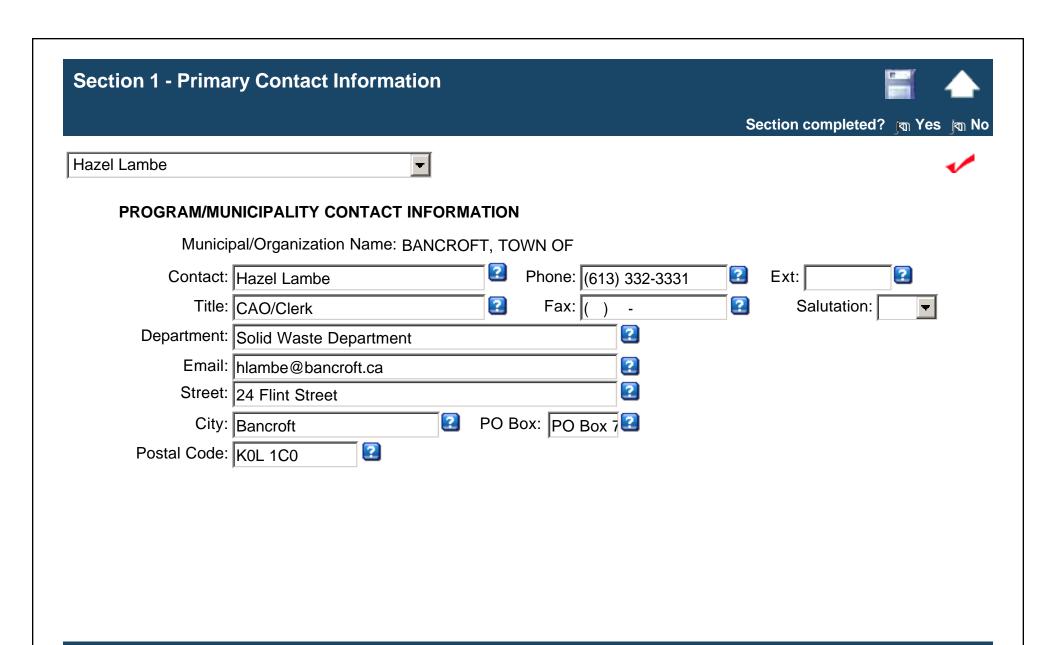
**Town of Bancroft County of Hastings, Ontario** 

April 2017

Greenview File: 108.16.002







# **Section 2.1 - Population and Households Served by Municipal Curbside/Depot Services**



Section completed? To Yes To No





# 1) Please report the total number of generators in your jurisdiction by:

	Househo	<u>lds</u>		<u>Popula</u>		
	2016	2015		2016	2015	
a) Single Family	1,574	1,529		2,976	2,971	
b) Multi-Family	370	370		905	905	
c) Total	1,944	1,899	GAP?	3,881	3,876	
Source of household	data		Source of popul	ation data		
Statistics Canada			<b>—</b>	Statistics Cana	da	¥

Note: Multi-Family household is a unit in a building that has 6 or more dwelling units. Report the total number of units.

Number of seasonal households included in single and multi-family households above

Collection Type Single Stream 

Source of seasonal household data

Statistics Canada

Tollection Type Single Stream

# 2) Number of Households Serviced By Curbside Collection Blue Box / Blue Bag Garbage Waste Organics (e.g. bulky goods) a) Single Family Households 1,574 1,574

b) Multi-Family Households	370	370			
c) Total Households	1,944	1,944	0	0	0
d) IC&I Stops	125	125			

# 3) Number of Households Serviced By Depot Collection

?

(where no curbside collection is provided)

	Blue Box / Blue Bag	Garbage	Leaf Yard Waste	Kitchen Organics	Other (e.g. bulky goods)
a) Single Family Households			1,574		1,574
b) Multi-Family Households			370		370
c) Total Households	0	0	1,944	0	1,944
d) IC&I Users					

Note: if the number of households with Blue Box service is NOT equal to the number with garbage service, an adjustment is made to apply additional tonnes to the missing households.

# **COMMENTS AND CLARIFICATIONS (maximum 4000 characters)**

Enter any additional comments about the information entered in this section.

The number of IC&I users at the Dungannon WDS depot is undetermined. However, based on Town records, 561 IC&I vehicles utilized the depot for disposal of waste, 635 IC&I vehicles utilized the depot for Blue Box recycling diversion, and 64 IC&I vehicles utilized the depot for bulk recyclables diversion in 2016.

All IC&I users within the Town of Bancroft were serviced by Curbside Collection of garbage and Blue Box



# Section 2.2 - Set Out Limit/Pay As You Throw



Section completed?

~	Yes	-	
n	108	- I≪m	IMI



# 1) Set Out Limit

Does your municipality have	a set out limit for garbage?	YES jn NO jn			
If yes, what is the limit?	0 bag/can				
	If other, please describe:				

Add	Delete
-----	--------

Please list information for members/lower tier program

Do you have program?

Maximum number of year program?

Started

## 2) User Pay Waste Collection/Pay as You Throw



Do your municipality, lower tier or member municipalities have a user pay program for curbside or depot waste collection?

YES jm NO

### A user pay program does not include utility taxes.

Full User Pay:

Partial User Pay:

Indicate number of free units/bags/tags/etc.

If other, please describe:

Bag Tags for IC&I sector only.

Do you use tags/bags/standard container/other (describe)

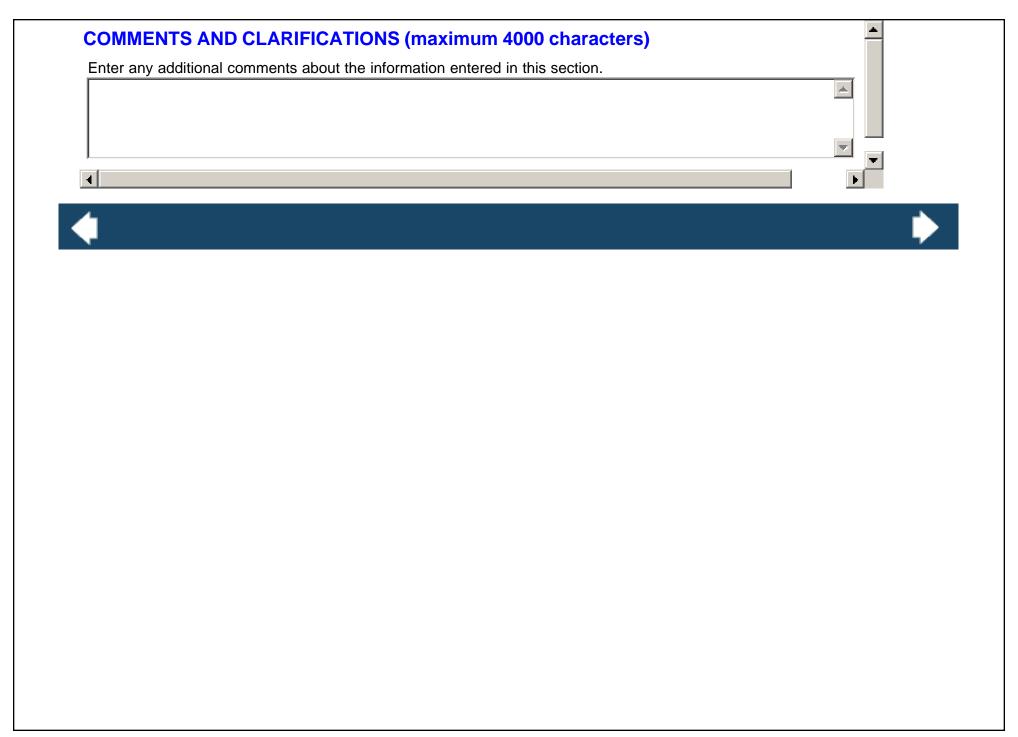
What is the price per tag/bag/container

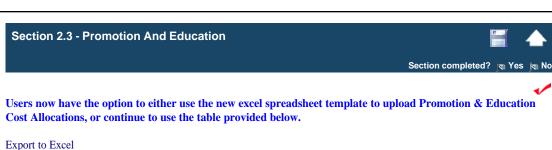
So.00

Do you have more than one fee structure for bags/tags?

YES in NO in

If yes, please describe: |IC&I Curbside = \$1.50 tag. IC&I Depot = \$0.90 tag





_					
Please upload	the xls file to be imported				
				N	No uploaded files
e		Re	move	N	No invalid files
А	dd Delete				
Subm	it				
1) INDICA	TE THE COST DETAILS F	OR ALL BLUE E	OX RELAT	ED P&E MATERI	RIALS UTILIZED IN 2016:
			Indicate		Total P&E Costs Each Category Includes
			Allocated Blue Box	Allocated to Blue Box 2016	Allocated to Blue Box 2015
				Blue Box 2010	5.00 50X 23 10
Promotio	n & Education Staff Costs	0.00	0.00%	0.00	0.00 Only report costs for staff or administration that are only directly related to Promotion & Education purposes.
	. a zadanen olan ocolo	0.00	0.0070	0.00	11 0.501 o, report 65016 for dam of dammaration that also only ansolity to the first of the f
	Materials	0.00	0.00%	0.00	
	Print Advertising	0.00	0.00%	0.00	0.00 Media Kits; Media Releases/Events; Newsletters; Outdoor Signage; Paid Print Ads; PSA Print
	Radio/TV	0.00	0.00%	0.00	0.00 Paid Radio; Paid TV; PSA Radio; PSA TV
	Internet	0.00	0.00%	0.00	0.00 System Website/Hotline
	Miscellaneous	0.00	0.00%	0.00	0.00 Promotional Items; Reminder Cards/Notices; School Tours/Presentations; Speaking Engagements; Telephone Information
Other	Depot Signage - BB	235.05	100.00%	235.05	0.00 Describe in comment box
Other		0.00	0.00%	0.00	0.00 Describe in comment box
Other		0.00	0.00%	0.00	0.00 Describe in comment box
Other		0.00	0.00%	0.00	0.00 Describe in comment box

#### Do NOT report InKind advertising lineage.

Totals:

Weighted Average Template

% ALLOCATED TO BLUE BOX: for major categories with items having different % Blue Box allocations, this optional template determines the % allocation, or users can enter items in the OTHER fields as separate items with different % allocation

235.05

0.00

#### **COMMENTS AND CLARIFICATIONS (maximum 4000 characters)**

Enter any additional comments about the information entered in this section.

Visual and Text-Based site signage developed for new transfer station construction and development in 2016. Costs for Visual and Text-Based signage for Blue Box recyclables (Mixed Fibres, Commingled Containers, and OCC) included above ONLY.

235.05





BANCROFT, TOWN OF

RPRA Program: 711

Municipal Grouping: 7

#### **MODULE 1 - PLANNING AND MONITORING**

#### Objective #1 - Program Performance Projections and Analysis (16.63% of Best Practice Score towards Blue Box Funding)

Please complete the following chart, where possible, and provide any comments on 2016 performance and projected performance for 2017. Complete Section 3 first, then click on "Click to Use Section 3 Values".

Click to Use Section 3 Values

	2014	2015	2016 Projected	2016 Actual from Section 3	2017 Projection			
Gross Collection (\$)	129,614.27	102,399.82	105,000.00	109,761.08	80,000.00			
Gross Depot/Tx (\$)	93,543.03	45,837.92	46,000.00	84,077.35	85,000.00			
Gross Processing (\$)	0.00	0.00	0.00	0.00	0.00			
Revenue (\$)	2,332.05	4,536.17	5,000.00	7,704.24	25,000.00			
Marketed Tonnes	409.00	349.00	0.00	0.00	550.00			
Net Cost	229,390.83	149,065.46	150,000.00	199,004.78	150,000.00			
Households	0.00	1,899.00	1,899.00	1,944.00	1,944.00			
Net Cost/Tonne	560.86	364.46	0.00	0.00	272.73			
Net Cost/HH	0.00	78.50	78.99	102.37	77.16			
kg/HH Recovered	0.00	215.38	0.00	0.00	282.92			
Analysis of 2016 Performance (REQUIRED)	It is difficult to review the 2016 Projected Values to the 2016 Actual Values, as the Town of Bancroft had not decided to proceed with the Municipal Blue Box Recycling Optimization Project (MBBROP) until after the 2015 Datacall had been submitted. The capital costs spent on the MBBROP were not accounted for in the 2015 Datacall.							
Rationale for 2017 Projection (REQUIRED)	The projections for 2017 are preliminary at this time, as the new Blue Box recycling Curbside and Depot operations are in their infancy, as the new program began on January 1, 2017. Additional details on project costs will become more available as we proceed through 2017.  Households in 2017 are anticipated to be consistent with 2016.							

<sup>&</sup>lt;sup>1</sup> Explanation for Analysis and Rationale is required to complete this section. If not applicable, enter "N/A".

## Objective #2 - Blue Box Efficiency Assessments (8.23% of Best Practice Score towards Blue Box Funding)

Formal Blue Box efficiency assessments are a good way to measure the overall success of a Blue Box program. Does your municipality

<sup>&</sup>lt;sup>2</sup> It is recognized that not all programs report revenues. Please provide this information if available.

<sup>&</sup>lt;sup>3</sup> Includes calculated administration costs and interest on capital.

perform Blue Box efficiency assessments on a regular basis? Please complete the following chart and summarize the most recent Blue Box assessment completed, indicating any actions that were taken:

Type of assessment	Year last completed	Completed by internal staff	Completed by a third party
Blue Box Collection	▼	jn Yes jn No jn n.a.	jn Yes jn No jn n.a.
Blue Box Depot	▼	jn Yes jn No jn n.a.	jn Yes jn No jn n.a.
Blue Box Transfer Station	•	jn Yes jn No jn n.a.	jn Yes jn No jn n.a.
Blue Box Processing	•	ja Yes ja No ja n.a.	jn Yes jn No jn n.a.
Recent Blue Box Assessment (REQUIRED)	for municipal blue box recyc for the contracting of CURB haulage by Progressive Wa	ed a Municipal Blue Box Recycling C sling services. The project reviewed SIDE Blue Box recycling services ar ste versus what the costs were estin own CURBSIDE collection of Blue Bo	Blue Box quantities and costs did DEPOT rolloff container nated to be if the Town took
Action Taken to Implement Blue Box Assessment Recommendations (REQUIRED)		ract	

<sup>&</sup>lt;sup>1</sup> Explanation for Blue Box Assessments and Recommendations is required to complete this section. If not applicable, enter "N/A".

#### Objective #3 - Blue Box System Optimization Initiatives (8.23% of Best Practice Score towards Blue Box Funding)

Has staff from your Region/Municipality attended AMO/CIF Consultation Sessions? If so, please describe. (REQUIRED) Explanation for each box is required to complete this section. If not applicable, enter N/A.

The Town of Bancroft has participated in a multi municipal program to establish a regional blue box central deposit drop off facility by all the users in the group. A total of 8 municipalities participated in this multi municipal feasibility program with the aid of CIF.

Have you participated in or initiated forums to discuss options for regional optimization? If so, please describe. (REQUIRED) Explanation for each box is required to complete this section. If not applicable, enter N/A.

Yes, as per the multi municipal program feasibility study for the blue box drop off facility.

Have you presented a report to your Council on system optimization options? If so, please describe. (REQUIRED) Explanation for each box is required to complete this section. If not applicable, enter N/A.

Yes, the project feasibility study went through the process from the start of the process to the point of presentation to the councils within the multi municipal group. Presentations were made to the councils involved for council to vote to the positive or to the negative to move forward with the groups feasibility study.

Have you implemented any projects based on your regional optimization plan? If so, please describe. (REQUIRED) Explanation for each box is required to complete this section. If not applicable, enter N/A.

No, the multi municipal blue box drop off facility did not go further than council vote and was defeated.

Following the defeat of the multi-municipal group project, the Town of Bancroft decided to complete their own version of the project for the Town of Bancroft only, called the Municipal Blue Box Recycling Optimization Project (MBBROP). See Objective #2 above for additional details.

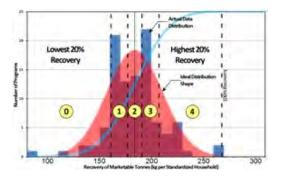
#### **MODULE 2 - MANAGEMENT BY RESULTS**

Objective #4 - Program Performance Outcomes (33.3% of Best Practice Score towards Blue Box Funding)

1. Marketable material recovery rate comparison to peers (16.7% of Objective 4)

A program should optimize its operations so that it can recover as much material per person as possible. A comparison will be done of all programs for recovery per person and points will be awarded as follows:

Objective #4 is for example only and is Calculated After Completion of Datacall



2016 Marketable Tonnes Recovered: 201.1 kg/person

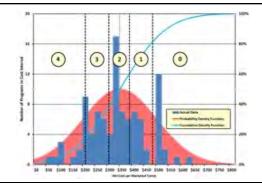
2016 Recovery Rate Score: 3

#### Scoring

- 0. sub-par lowest 20% of recovery,
- 1. somewhat sub-par better than 20% of programs,
- 2. OK middle 20% of programs,
- 3. good better than 60% of other programs,
- 4. excellent highest 20% of recovery.

# 2. Financial comparison to peers (16.7% of Objective 4)

A program should optimize its operations so that it is achieving a reasonable cost per tonne when compared to other programs in its municipal grouping. A comparison will be done of like programs within a program group and points will be awarded as follows:



2016 Net Cost per Marketable Tonne: \$223.48

2016 Net Cost per Tonne Score: 3

#### Scoring

- 0. sub-par highest 20% of net costs per tonne,
- 1. somewhat sub-par better than 20% of programs,
- 2. OK middle 20% of programs,
- 3. good better than 60% of other programs,
- 4. excellent lowest 20% of net costs per tonne.

# Objective #5 - Training of key program staff in core competencies (11.23% of Best Practice Score towards Blue Box Funding)

The table below lists Blue Box related courses and workshops offered in the past year. Enter the number of staff that attended each course or workshop in 2016.

Add any additional training courses or workshops completed in 2016 that is not listed for consideration. The course content must have had a Blue Box component.

Continuing Education Units (CEU) will be determined annually by MIPC before the start of the Datacall process.

Total CEU = number of staff taking course x CEU assigned to course.

Course or Workshop	Number of Staff	CEU Assigned	Total CEU
CIF Ontario Recycler Workshop (ORW)	0	1.00	0.00
CIF Training Courses			
In Person Courses:			
Contract Management Training (1 day)	0	1.00	0.00
Strategic Request For Proposals for Recycling (1 day)	0	1.00	0.00
MRF Operation Preventative Maintenance (1 day)	0	1.00	0.00
Promotion Edu - Steps to More Effective P&E Campaigns (1 day)	0	1.00	0.00
Online Courses:			
Fundamental Principles in Recycling Planning (4 days)	0	4.00	0.00
			1
Training Course Support	0	0.25	0.00
CIF Depot Operations Roundtable Meeting	0	0.33	0.00
CIF Multi-Residential Meeting	0	0.33	0.00
CIF Collections Meeting	0	0.33	0.00
CIF Materials Recovery Facility Meeting	0	0.33	0.00
CIF/AMO Blue Box Outreach Sessions	0	1.00	0.00

MWA Spring Workshop	0	0.50	0.00
MWA Fall Workshop	0	0.50	0.00
MIPC Subcommittee Meeting	0	0.33	0.00
RPRA Datacall In-Person Training Session	0	1.00	0.00
RPRA Datacall Short Form Consultation Sessions			
(In-person/Webinar)	0	0.50	0.00
Other (please provide a course/workshop summary, and the time allocated to the Blue Box program):			
	0	0.00	0.00
Other (please provide a course/workshop summary, and the time allocated to the Blue Box program):			
	0	0.00	0.00

Your 2016 CEU requirement was 2. You reported 0 CEU, resulting in a score of 0%. (Maximum score is 100%)

# Objective #6 - Blue Box Promotion and Education achievements and initiatives (11.23% of Best Practice Score towards Blue Box Funding)

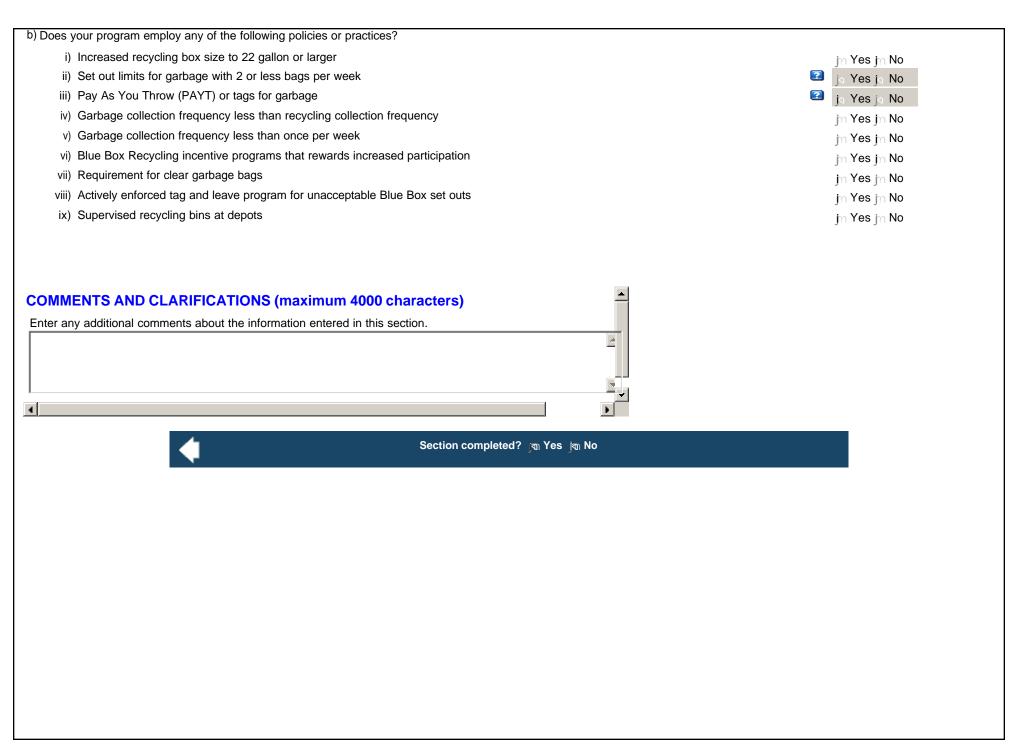
Please complete the following table with Blue Box highlights on Blue Box P&E activities achieved in current year, as well as any P&E initiatives planned for next year. Explanation for each box is required to complete this section. If not applicable, enter N/A.

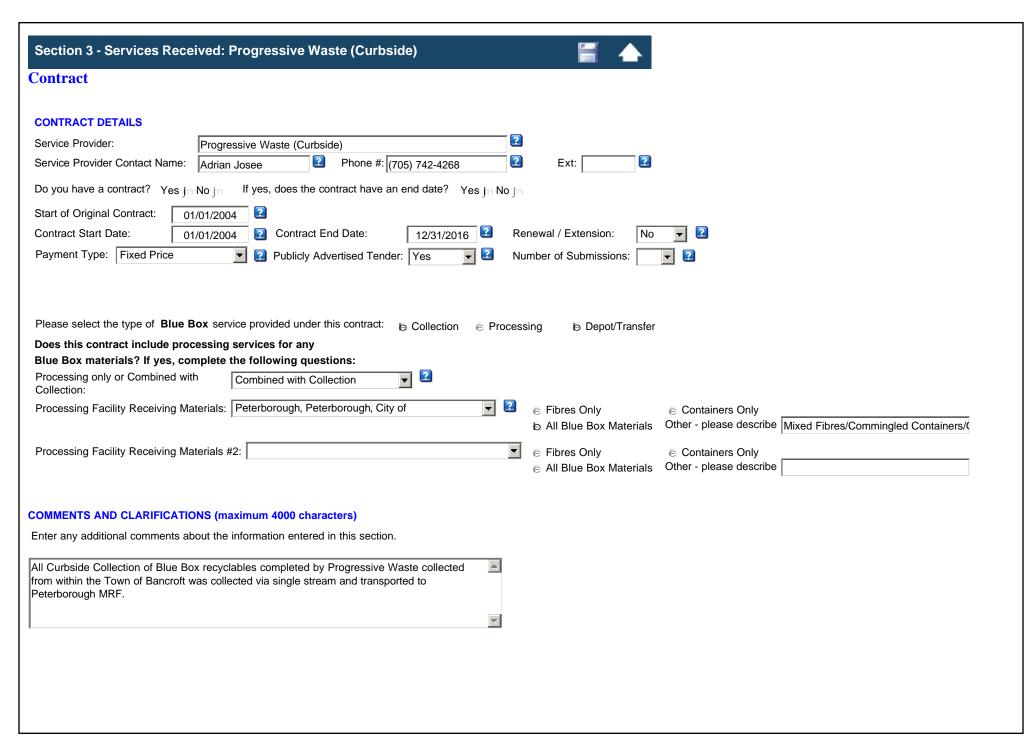
Name and Date of P&E Planning Document for reporting year (2016) (REQUIRED)	N/A	*
Highlights of P&E Initiatives for reporting year (2016) (REQUIRED)	New text and image based signage at DEPOT at Dungannon WDS.	4
Key P&E Initiatives	Based on the Town's Tag and Leave Policy for CURBSIDE, the Town intends to complete a targeted face-to-face information sharing and education initiative with poor-performing ratepayers, to encourage them to divert Blue Box recyclables in a better manner, and improve the quality of CURBSIDE Blue Box recyclables (i.e. reduce contamination at curb).	

#### Objective #7 - Development of effective policies that promote waste diversion (11.23% of Best Practice Score towards Blue Box Funding)

a) Does your program provide Blue Boxes (or the equivalent) or replacement Blue Boxes (or the equivalent) free of charge, or below cost?

jn Yes jn No





## **Section 3 - Services Received: Progressive Waste (Curbside)**





#### **Blue Box Tonnes - Materials Collected**

Do all of the households in your program receive the same level of service? j∩ Yes jn No

#### **Households Serviced under this Contract**

Municipal Service Area	Single Fa	amily	Multi Family	Total
Town of Bancroft (Curbside)		1,574	370	1,944
Total Households		1,574	370	1,944
Multi Family households serviced by curbside	100%			
Multi Family households serviced by depot	0%			
Unserviced Multi Family households	0%			

#### NUMBER OF COLLECTIONS PER YEAR FOR CURBSIDE PROGRAMS

Only programs/municipalities that have a CURBSIDE COLLECTION PROGRAM need to complete this section.

Example: For weekly collection, insert 52
For bi-weekly collection, insert 26

Total Number of Collections per year [2]

	Blue Box/ Bag	Garbage	Leaf and Yard Waste	Kitchen Organics	Bulky Waste
a) Single Family Dwelling	52	52			
b) Multi Family Dwellings	52	52			
c) IC&I	52	104			

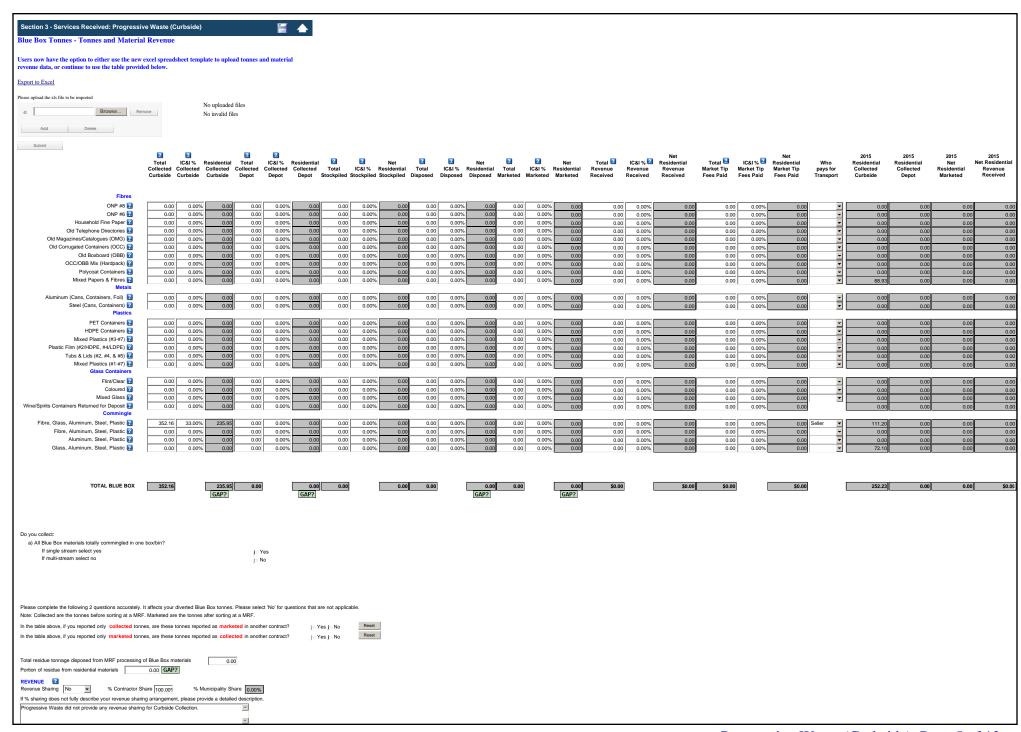
# PLEASE INDICATE WHICH MATERIALS ARE ELIGIBLE FOR COLLECTION AT RESIDENTIAL CURBSIDE, IC&I CURBSIDE, AND/OR DEPOT

Municipal Service Area:

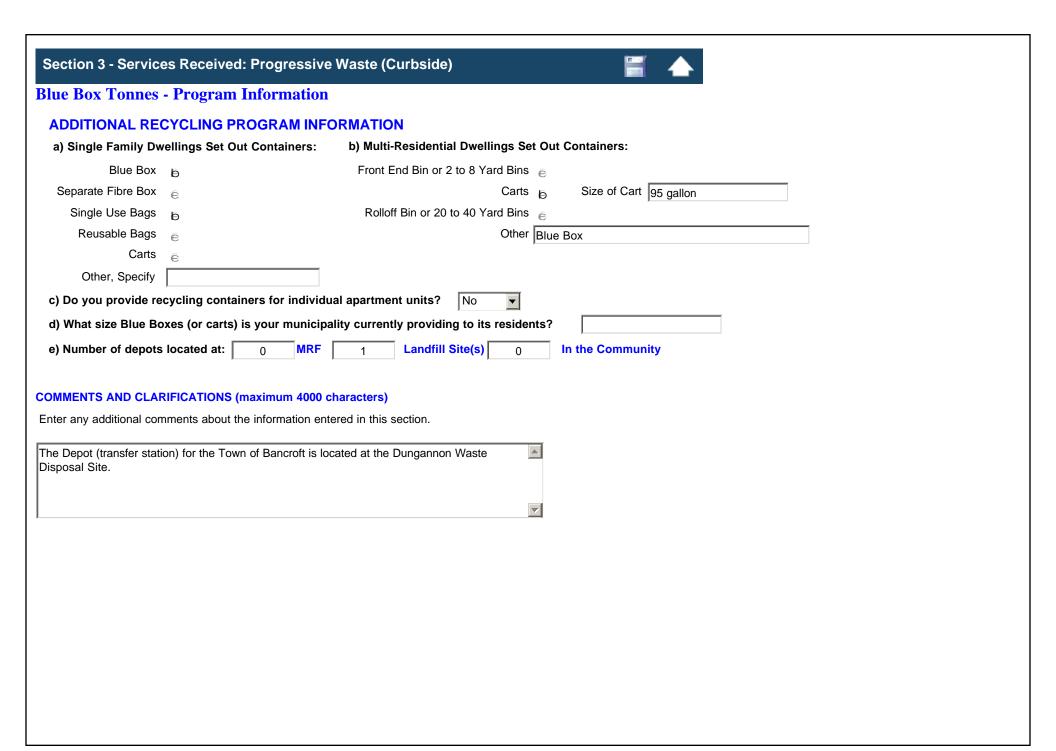
	Residential Curbside	Depot			idential rbside	Depot
Fibres			Glass			
Newsprint	_ ~	é		Clear Glass 🔃	Ь	ē
Other Printed Paper	_ ~	ê		Coloured Glass 🛂	Б	é
Magazines/Catalogues	<b>②</b> ♭	ê	Plastics		-	

Phone Books 🔃	b b	é	PET Bottles (#1) 🔃	b	É	
Corrugated Cardboard 🛂	Ь	é	Other Bottles & Containers (#3, #4, #5, #7) 2			
Boxboard 🛂	Ь	ē		Ь	É	
Gable Top Cartons 🖸	Ь	ê	LDPE/HDPE film (#2, #4) [2]	Þ	ê	
Aseptic Containers 🖸	Ь	e	HDPE Containers (#2) 2	Ь	ē	
Spiral-wound containers (Pringles, frozen juice etc.) <a>[2]</a>	Ь	é	Polystyrene Foam(#6) 🛂	ê	ē	
Hot/cold paper containers 🔃	Ь	ē	Polystyrene Crystal(#6) 🛂	ê	ê	
Metals			Thermoform PET (#1), Clamshells & Other Clear 🗏 🗿	Ь	ê	
Aluminum Cans 2	b	ē	Other Plastic Containers			
Aluminum Foil & Trays 2	Б	ê		é	ê	
Steel Cans 2	Ь	ê		ê	€	
Empty Aerosol Cans <a>Z</a> Empty Paint Cans (steel) <a>Z</a>	Ь	é		é	€	
Emply Famil Cans (steel)	Ь	ē		C		





Stockpiled tonnes reported in 2015 Datacall	0.00
K	
If you know the end markets for any of your marketed	material, please list them below.
	_
COMMENTS AND CLARIFICATIONS (maximum 4000 char	racters)
Enter any additional comments about the information entered	
	_
	▼



Section	on 3 - Services Received: Progressive	Waste (	Curbside)		P		
Blue E	Box Cost - Collection						
Samp	ole Worksheet						
NOTE: Net Res	ATING COST - COLLECTION  FORMULA FOR CALCULATING NET RESIDENTE sidential Blue Box Cost = Total Cost - (Total Co le: Total Cost = \$100, ICI% = 10%, Non BB% = 2 Net Residential Blue Box Cost = \$100 - (\$10 = \$100 - \$10	ost * ICI% 0%, 00 * 0.1) -	s) – ((Total Cost – (Tot		CI%)) * Non BB%	%)	
1 Blue	= \$72 e Box Curbside Collection Operating Expenses	·	2016	IC&I % of Total		Net Residential Blue Box Cost	2015
Other Other Other Other	Curbside Collection Contract Cost  Material Handling Cost		\$131,766.00 1 \$0.00 2 \$0.00 3 \$0.00 4 \$0.00 5 \$0.00 6 \$131,766.00 7	16.70% 0.00% 0.00% 0.00% 0.00%	0.00% 0.00% 0.00% 0.00% 0.00%	\$109,761.08 \$0.00 \$0.00 \$0.00 \$0.00 \$109,761.08	\$102,399.82 1 \$0.00 2 \$0.00 3 \$0.00 4 \$0.00 5 \$0.00 6 \$102,399.82 7
	16 cost is shown on line 7, then indicate a reason because the shown on line 7.	below:	\$109,761.08	<b>★</b>			\$102,399.82 <sup>8</sup>
3 Dedu	uction of Stockpiling Cost %'age allocated to contracted collection of stockpiled materi Dollar value alloc. to contracted collection of stockpiled mate s Residential Collection Cost		0.00% <sup>9</sup> \$0.00 <sup>10</sup> \$109,761.08 <sup>11</sup>	2			0.00% <sup>9</sup> \$0.00 <sup>10</sup> \$102,399.82

Enter any additional comments about the figures in this section. Include any information explaining why your collection costs are higher or lower than other similar municipalities.							
		V					

Section	on 3 - Services Received: Progressive	Waste	(Curbside)		Ē		
Blue B	Box Cost - Depot/Transfer						
Samp	ole Worksheet						
	ATING COST - DEPOT AND TRANSFE	R STA	TIONS				
Net Res	FORMULA FOR CALCULATING NET RESIDENT sidential Blue Box Cost = Total Cost - (Total C le: Total Cost = \$100, ICI% = 10%, Non BB% = 2 Net Residential Blue Box Cost = \$100 - (\$1 = \$100 - \$10	Cost * ICI 20%, I 00 * 0.1)	%) - ((Total Cost - (To			%)	
	= \$72	<b>4</b> - 2			?		
				?	_		
1 Rlu	Box Denot / Transfer Material Handling Cos	:t			Non		
1 Blue	e Box Depot / Transfer Material Handling Cos	s <b>t</b>	2016	IC&I %	Blue Box %	Net Residential Blue Box Cost	2015
	e Box Depot / Transfer Material Handling Cos  Depot/Transfer Contract Cost	it	<b>2016</b> \$0.00 1	IC&I %	Blue Box % of Residential		<b>2015</b> \$0.00
	•			IC&I % of Total	Blue Box % of Residential 0.00%	Blue Box Cost	
	•		\$0.00	IC&I % of Total 0.00%	Blue Box % of Residential 0.00% 0.00%	Blue Box Cost \$0.00	\$0.00
Other	•		\$0.00 1 \$0.00 2	IC&I % of Total of 0.00% 0.00%	Blue Box % of Residential 0.00% 0.00% 0.00%	\$0.00 \$0.00	\$0.00 \$0.00
Other Other	•		\$0.00 1 \$0.00 2 \$0.00 3	0.00% 0.00% 0.00%	Blue Box % of Residential 0.00% 0.00% 0.00% 0.00%	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00
Other Other Other	•		\$0.00 1 \$0.00 2 \$0.00 3 \$0.00 4	0.00% 0.00% 0.00% 0.00%	Blue Box % of Residential 0.00% 0.00% 0.00% 0.00%	\$0.00 \$0.00 \$0.00 \$0.00	\$0.00 2 \$0.00 3 \$0.00 4
Other Other Other	Depot/Transfer Contract Cost		\$0.00 1 \$0.00 2 \$0.00 3 \$0.00 4 \$0.00 5	0.00% 0.00% 0.00% 0.00%	Blue Box % of Residential 0.00% 0.00% 0.00% 0.00%	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 2 \$0.00 3 \$0.00 4 \$0.00 9
Other Other Other	Depot/Transfer Contract Cost  Material Handling Operating Cost		\$0.00 1 \$0.00 2 \$0.00 3 \$0.00 4 \$0.00 5	0.00% 0.00% 0.00% 0.00%	Blue Box % of Residential  0.00% 0.00% 0.00% 0.00%	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 2 \$0.00 3 \$0.00 4 \$0.00 9
Other Other Other Other	Depot/Transfer Contract Cost  Material Handling Operating Cost		\$0.00 1 \$0.00 2 \$0.00 3 \$0.00 4 \$0.00 5 \$0.00 6	0.00% 0.00% 0.00% 0.00% 0.00%	Blue Box % of Residential  0.00% 0.00% 0.00% 0.00% 0.00%	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00
Other Other Other 2 Blue Other	Depot/Transfer Contract Cost  Material Handling Operating Cost		\$0.00 1 \$0.00 2 \$0.00 3 \$0.00 4 \$0.00 5 \$0.00 6	0.00% 0.00% 0.00% 0.00% 0.00%	Blue Box % of Residential  0.00% 0.00% 0.00% 0.00% 0.00%	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00

If cost entered in lines 2 to 5, but no cost shown in line 11, then indicate reason in space below.

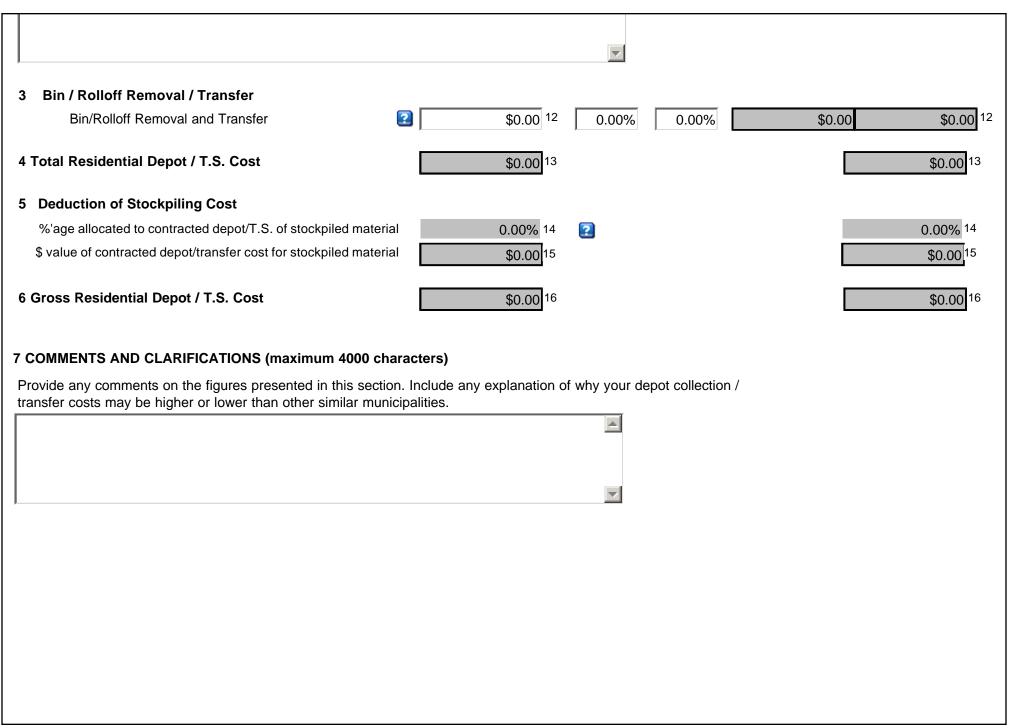
**Depot/Transfer Facility Operating Cost** 



\$0.00 11

\$0.00

\$0.0011



# **Section 3 - Services Received: Progressive Waste (Curbside)**





## **Blue Box Cost - Other Revenue**

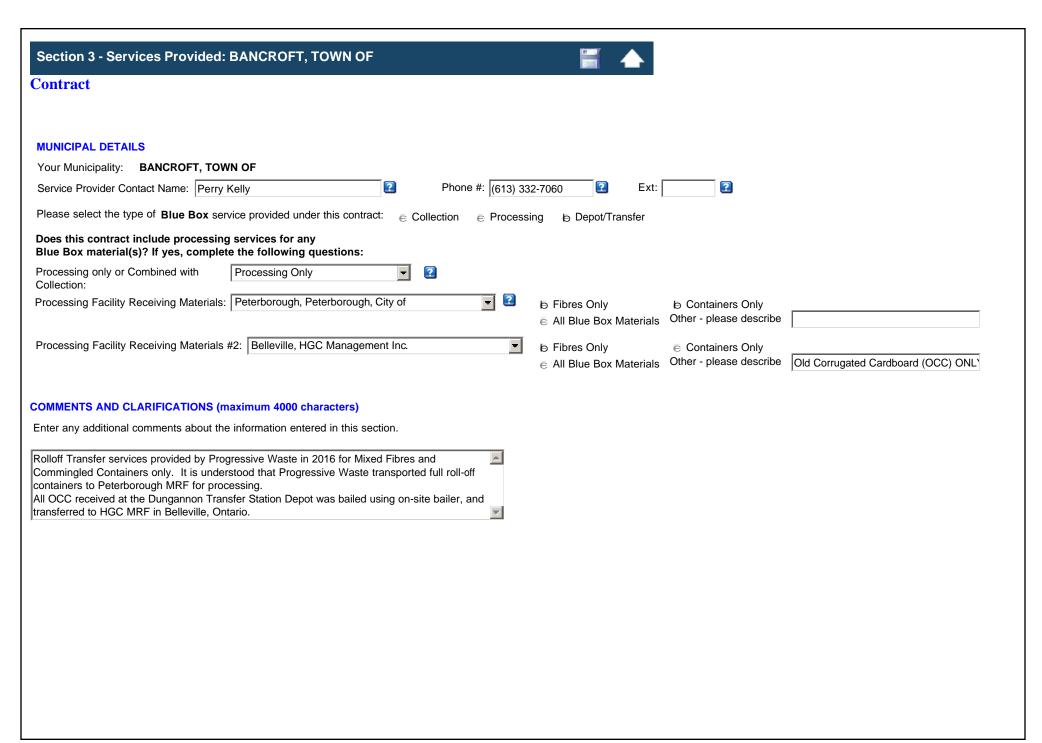
## **REVENUE**

1 Other Blue Box Revenue Sources	2016	2015
Fees and Service Charges	\$0.00	\$0.00
Other	\$0.00	\$0.00
Other	\$0.00	\$0.00
Total Other Blue Box Revenue	\$0.00 4	\$0.00

## 2 Comments and Clarifications (maximum 4000 characters)

Provide any descriptive comments about the figures in this section. Include any information explaining why your revenues may be higher or lower than other similar municipalities.

Tovoridee may be migher or lewer than earlier entitle and inclination		
	_	
	▼	



## Section 3 - Services Provided: BANCROFT, TOWN OF





### **Blue Box Tonnes - Materials Collected**

Do all of the households in your program receive the same level of service? jn Yes jn No

#### **Households Serviced under this Contract**

Municipal Service Area	Single Family	Multi Family	Total
Town of Bancroft (DEPOT)	1,574	370	1,944
Total Households	1,574	370	1,944
Multi Family households serviced by curbside	0%		
Multi Family households serviced by depot	100%		
Unserviced Multi Family households	0%		

#### NUMBER OF COLLECTIONS PER YEAR FOR CURBSIDE PROGRAMS

Only programs/municipalities that have a CURBSIDE COLLECTION PROGRAM need to complete this section.

Example: For weekly collection, insert 52
For bi-weekly collection, insert 26

## Total Number of Collections per year [2]

	Blue Box/ Bag	Garbage	Leaf and Yard Waste	Kitchen Organics	Bulky Waste
a) Single Family Dwelling					
b) Multi Family Dwellings					
c) IC&I					

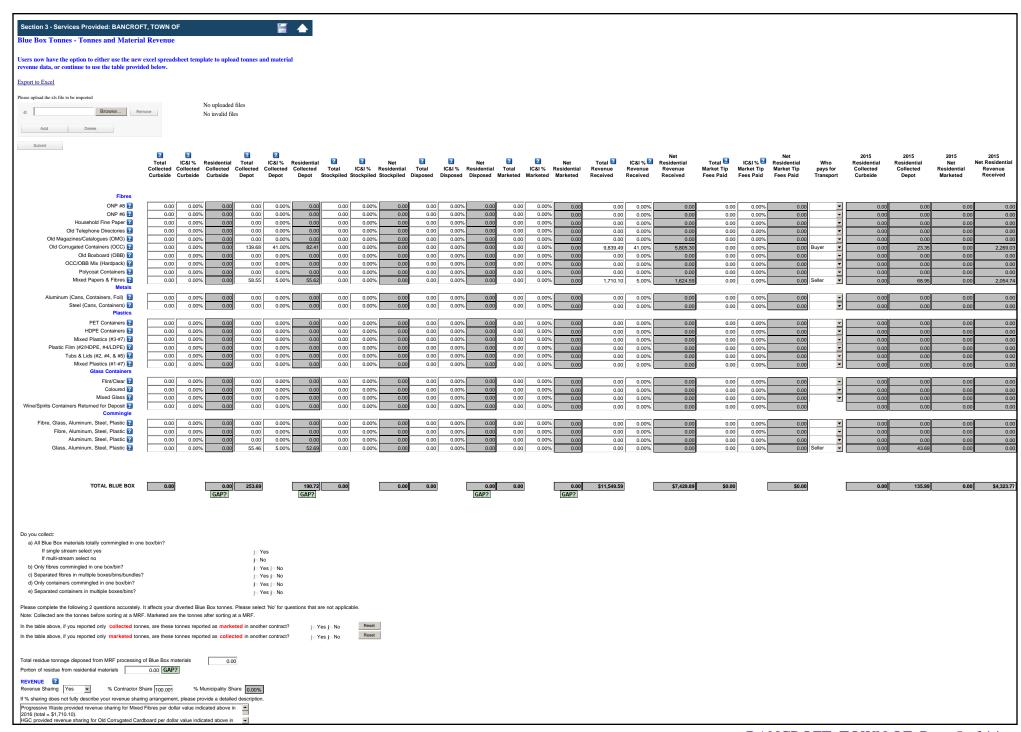
# PLEASE INDICATE WHICH MATERIALS ARE ELIGIBLE FOR COLLECTION AT RESIDENTIAL CURBSIDE, IC&I CURBSIDE, AND/OR DEPOT

Municipal Service Area:

	Residential Curbside	Depot			sidential urbside	Depot
Fibres			Glass			
Newsprint	<b>?</b> €	Б		Clear Glass 🔃	ē	Ь
Other Printed Paper		Ь		Coloured Glass 🛂	ê	Ь
Magazines/Catalogues	<b>?</b> €	Ь	Plastics			

Phone Books 💈	é	Б	PET Bottles (#1) 🔃	é	Þ	
Corrugated Cardboard 🛂	€	Б	Other Bottles & Containers (#3, #4, #5, #7) 2			
Boxboard 🔃	€	Ь		Ē	Ь	
Gable Top Cartons 🖸	€	Ь	LDPE/HDPE film (#2, #4) [2]	ê	Þ	
Aseptic Containers 2	ē	Ь	HDPE Containers (#2) [2]	É	Þ	
Spiral-wound containers (Pringles, frozen juice etc.)	€	Ь	Polystyrene Foam(#6) \boxed	Ē	€	
Hot/cold paper containers 2	Ē	Ь	Polystyrene Crystal(#6) 2	ē	ê	
Metals  Aluminum Cans 2			Thermoform PET (#1), Clamshells & Other Clear	ê	Þ	
Aluminum Foil & Trays 2	ê €	b	Other Plastic Containers			
Steel Cans 2	e e	Ð Ð		ê	ê	
Empty Aerosol Cans 2	É	b		Ē	€	
Empty Paint Cans (steel) 💈	ê	Б		ê	ē	
_		· ·				





If you know the end markets for any of your marketed material, please list them below.	OMMENTS AND CLARIFICATIONS (maximum 4000 characters) inter any additional comments about the information entered in this section.	If you know the end markets for any of your marketed material, please list them below.    Comments and Clarifications (maximum 4000 characters)		
If you know the end markets for any of your marketed material, please list them below.    Comments and Clarifications (maximum 4000 characters)	OMMENTS AND CLARIFICATIONS (maximum 4000 characters) inter any additional comments about the information entered in this section.	If you know the end markets for any of your marketed material, please list them below.    Comments and Clarifications (maximum 4000 characters)	Stockpiled tonnes reported in 2015 Datacall 0.00	· · · · · · · · · · · · · · · · · · ·
OMMENTS AND CLARIFICATIONS (maximum 4000 characters) Inter any additional comments about the information entered in this section.	OMMENTS AND CLARIFICATIONS (maximum 4000 characters) riter any additional comments about the information entered in this section.	OMMENTS AND CLARIFICATIONS (maximum 4000 characters) riter any additional comments about the information entered in this section.		· · · · · · · · · · · · · · · · · · ·
OMMENTS AND CLARIFICATIONS (maximum 4000 characters) Inter any additional comments about the information entered in this section.	OMMENTS AND CLARIFICATIONS (maximum 4000 characters) riter any additional comments about the information entered in this section.	OMMENTS AND CLARIFICATIONS (maximum 4000 characters) riter any additional comments about the information entered in this section.		· · · · · · · · · · · · · · · · · · ·
OMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Inter any additional comments about the information entered in this section.	OMMENTS AND CLARIFICATIONS (maximum 4000 characters) inter any additional comments about the information entered in this section.	OMMENTS AND CLARIFICATIONS (maximum 4000 characters) inter any additional comments about the information entered in this section.		
COMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Inter any additional comments about the information entered in this section.	OMMENTS AND CLARIFICATIONS (maximum 4000 characters) riter any additional comments about the information entered in this section.	OMMENTS AND CLARIFICATIONS (maximum 4000 characters) riter any additional comments about the information entered in this section.		
Enter any additional comments about the information entered in this section.	rifer any additional comments about the information entered in this section.	rifer any additional comments about the information entered in this section.		
Enter any additional comments about the information entered in this section.	rifer any additional comments about the information entered in this section.	rifer any additional comments about the information entered in this section.		· · · · · · · · · · · · · · · · · · ·
Enter any additional comments about the information entered in this section.	rifer any additional comments about the information entered in this section.	rifer any additional comments about the information entered in this section.		· · · · · · · · · · · · · · · · · · ·
			COMMENTS AND CLARIFICATIONS (maximum 4000 characters)	· · · · · · · · · · · · · · · · · · ·
The property of the property o	Accomplying the plant of the recognition of the rec	Account Name of the Control of the Account of the A	Enter any additional comments about the information entered in this section.	· · · · · · · · · · · · · · · · · · ·
control and the control of the contr	consideration of control (Control) (	consideration and control of the con	Progressive Waste provided roll-off transport services for roll-off containers at DEPOT	
and places in 1997 (1995) the proof the control of 1997 (1995) the control of 1997 (1997) the control	and Asset 2010 the Three Contrage Contrage Asset 2010 (1910 Asset 2010 Asset	and devices to the first the control of the control	containing Mixed Fibres and Commingled Containers in 2016.  HGC provided haulage services for bailed OCC from the DEPOT in 2016.	
			As of January 1, 2017, HGC is now the Town of Bancroft's sole MRF for all Blue Box	
			,,	· · · · · · · · · · · · · · · · · · ·
				· · · · · · · · · · · · · · · · · · ·
				· · · · · · · · · · · · · · · · · · ·
				· · · · · · · · · · · · · · · · · · ·
				<b>,</b>
				<b>,</b>
				,
				,
				<b>,</b>
				,
				,
				· · · · · · · · · · · · · · · · · · ·
				· · · · · · · · · · · · · · · · · · ·
				· · · · · · · · · · · · · · · · · · ·
				· · · · · · · · · · · · · · · · · · ·
				· · · · · · · · · · · · · · · · · · ·
				· · · · · · · · · · · · · · · · · · ·
				· · · · · · · · · · · · · · · · · · ·
				· · · · · · · · · · · · · · · · · · ·
				· · · · · · · · · · · · · · · · · · ·
				· · · · · · · · · · · · · · · · · · ·
				· · · · · · · · · · · · · · · · · · ·
				· · · · · · · · · · · · · · · · · · ·
				· · · · · · · · · · · · · · · · · · ·
				· · · · · · · · · · · · · · · · · · ·
				· · · · · · · · · · · · · · · · · · ·
				· · · · · · · · · · · · · · · · · · ·

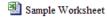
Section 3 - Services Provided: BANCROFT	TOWN OF		
Blue Box Tonnes - Program Information			
ADDITIONAL RECYCLING PROGRAM INFO	ORMATION		
a) Single Family Dwellings Set Out Containers:	b) Multi-Residential Dwellings Set Out	Containers:	
Blue Box €	Front End Bin or 2 to 8 Yard Bins $\in$		
Separate Fibre Box €	Carts 🧧		
Single Use Bags €	Rolloff Bin or 20 to 40 Yard Bins $\in$		
Reusable Bags	Other		
Carts e			
Other, Specify			
c) Do you provide recycling containers for individu	al apartment units? No		
d) What size Blue Boxes (or carts) is your municipa	lity currently providing to its residents?		
e) Number of depots located at: 0 MRF	0 Landfill Site(s) 0	In the Community	
COMMENTS AND CLARIFICATIONS (maximum 4000 c	haracters)		
Enter any additional comments about the information ent	ered in this section.		
This tab is not relevant to Town of Bancroft DEPOT opera	tions at the Dungannon WDS.		
	₩		
,	_		

## Section 3 - Services Provided: BANCROFT, TOWN OF





## Blue Box Cost - Depot/Transfer



(10 Year Amortization)

#### **BLUE BOX DEPOT / TRANSFER STATIONS CAPITAL COST - DEPRECIATION**

#### NOTE: FORMULA FOR CALCULATING NET RESIDENTIAL BLUE BOX COST HAS BEEN CHANGED TO

 $Net \ Residential \ Blue \ Box \ Cost = Total \ Cost - (Total \ Cost * ICI%) - ((Total \ Cost - (Total \ Cost * ICI%)) * Non \ BB%)$ 

Example: Total Cost = \$100, ICI% = 10%, Non BB% = 20%,

Net Residential Blue Box Cost =  $100 - (100 \cdot 0.1) - ((100 - 10) \cdot 0.2)$ 

= \$100 - \$10 - \$18

2 Purchase of Initial Depot / Transfer Equipment, Major Expansions, Major Retrofits, Weighscales

= \$72

		<b>- Ψ12</b>	•					_	
1	Purchase of De Year of Commission	pot / Transfer Building (20 Capital Item	Year Amortization) Facility Size	<b>?</b> Total Cost of Purchases	Year Decommission	Original Cost of Decommissioned Capital	IC&I %		Net Residential Blue Box Cost
	1997	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	1998	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	1999	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2000	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2001	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2002	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2003	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2004	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2005	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2006	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2007	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2008	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2009	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2010	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2011	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2012	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2013	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2014	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2015	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2016	Depot / Transfer Building		\$170,350.40	0	\$0.00	25.00%	0.00%	\$127,762.80
			Total	\$170,350.40		\$0.00	1		\$127,762.80
							•	•	

BANCROFT, TOWN OF Page 8 of 14

Original Cost of 2

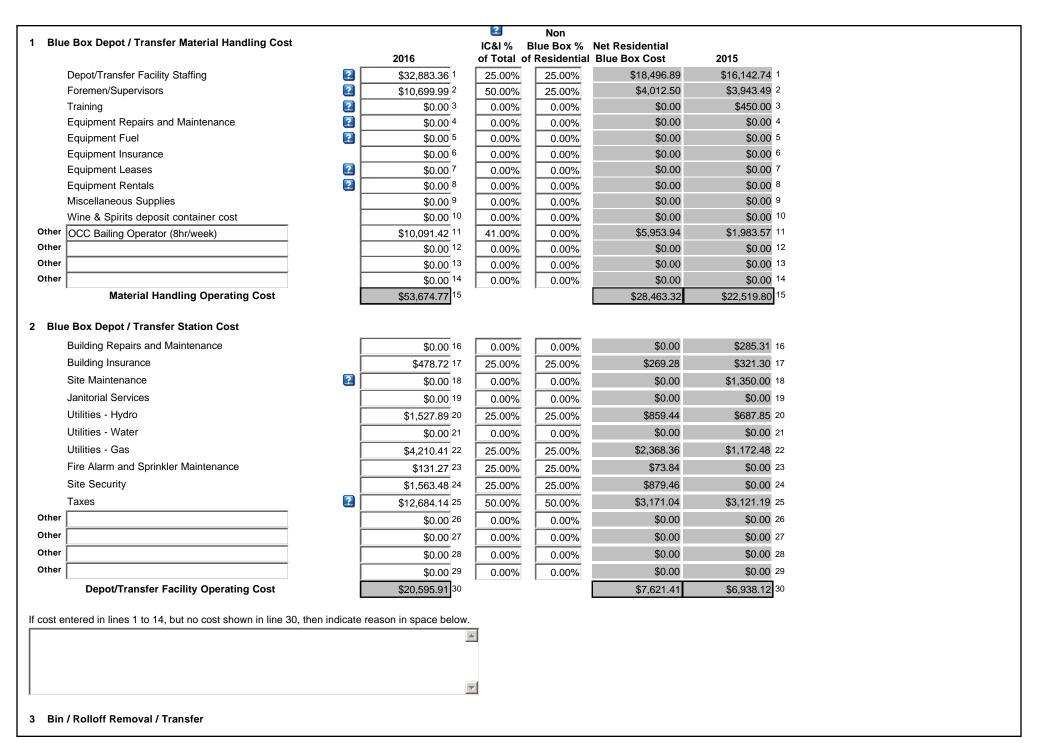
?

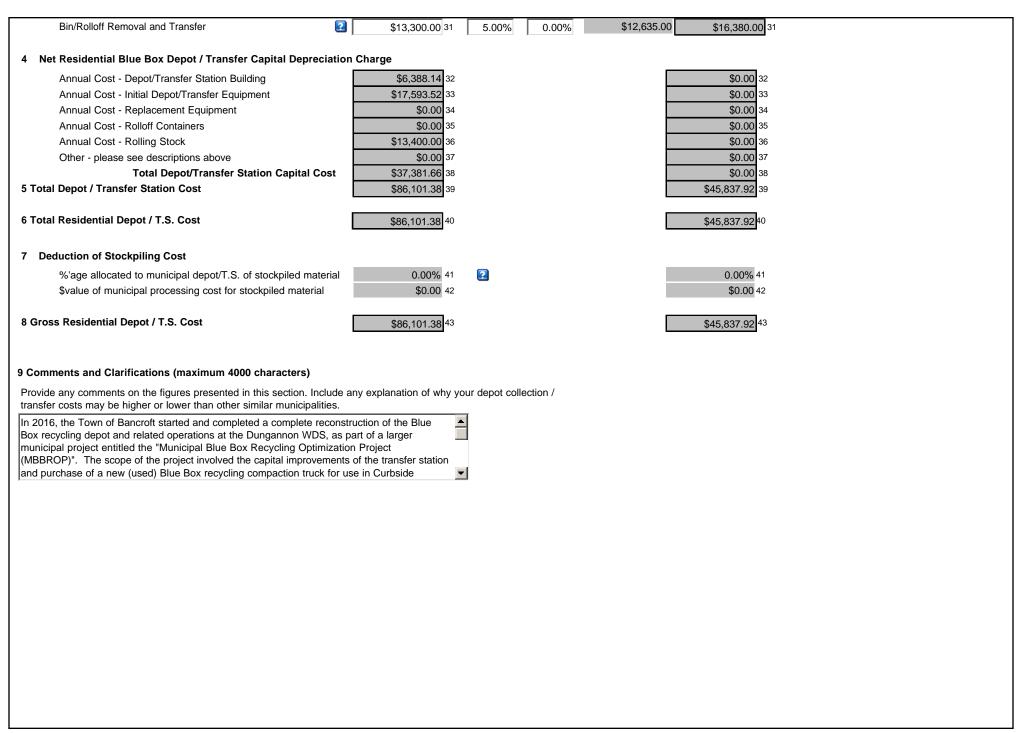
?

Non

Year of Commission	Capital Item	Facility Expansion	Total Cost of Purchases	Year Decommissioned	Decommissioned Capital			Net Residential Blue Box Cost	
2007			\$0.00	0	\$0.00	0.00%	0.00%	\$0.00	
2008			\$0.00	0	\$0.00	0.00%	0.00%	\$0.00	
2009			\$0.00	0	\$0.00	0.00%	0.00%	\$0.00	
2010			\$0.00	0	\$0.00	0.00%	0.00%	\$0.00	
2011			\$0.00	0	\$0.00	0.00%	0.00%	\$0.00	
2012			\$0.00	0	\$0.00	0.00%	0.00%	\$0.00	
2013			\$0.00	0	\$0.00	0.00%	0.00%	\$0.00	
2014			\$0.00	0	\$0.00	0.00%	0.00%	\$0.00	
2015			\$0.00	0	\$0.00	0.00%	0.00%	\$0.00	
2016	3x Blue Box Rec Compact	tors	\$234,580.20	0	\$0.00	25.00%	0.00%	\$175,935.15	
	,	Total	\$234,580.20		\$0.00			\$175,935.15	
3 Purchase of Min	nor Expansions, Minor Retro	ofits (5 Year Amortizatio	n)				?		
			?	?	Original Cost of	?	Non		
Year of	0 " 1 "	Facility	Total Cost of	Year	Decommissioned			Net Residential	
Commission 2012	Capital Item	Expansion	Purchases	Decommissioned	Capital			Blue Box Cost	
2012			\$0.00 \$0.00	0	\$0.00	0.00%	0.00%	\$0.00	
2013			\$0.00	0	\$0.00 \$0.00	0.00%	0.00%	\$0.00 \$0.00	
2015			\$0.00	0	\$0.00	0.00%	0.00%	\$0.00	
2016			\$0.00	0	\$0.00	0.00%	0.00%	\$0.00	
2010	]	Total	\$0.00		\$0.00	0.0070	0.0070	\$0.00	
			ψ0.00		ψ0.00			ψ0.00	
4 Purchase of Ro	lloff Containers / Dumpsters	s (5 Year Amortization)						2	
			?	?	?	Original C	ost of 🔃	Non	
Eligible Year		Number	Total Cost of	Year	Number	Decommis	sioned IC	RI % Blue Box %	Net Residential
of Purchase	•	Purchased	Purchases	Decommissioned	Decommissioned	Capit			Blue Box Cost
2012	Rolloffs / Dumpsters	0	\$0.00	0	0			0.00%	\$0.00
2013	Rolloffs / Dumpsters	0	\$0.00	0	0			0.00%	\$0.00
2014	Rolloffs / Dumpsters	0	\$0.00	0	0			0.00%	\$0.00
2015	Rolloffs / Dumpsters	0	\$0.00	0	0			0.00% 0.00%	\$0.00
2016	Rolloffs / Dumpsters	0	\$0.00	) 0	0			0.00%	\$0.00
		Total 0	\$0.00		0		\$0.00		\$0.00
E Burchage of Bo	lling Stock (2 Voor Amortis	ation)							
5 Fulchase of Ro	Iling Stock (3 Year Amortiza	auonj	?	?	2	Original C	tost of 🛜	Non	
Eligible Years	3	Number	Total Cost of	Year	Number	Decommis			Net Residential
of Purchase		Purchased	Purchases	Decommissioned	Decommissioned	Capit		Total of Residential	Blue Box Cost
2014	Rolling Stock	0	\$0.00	0	0			0.00%	\$0.00
2015	Rolling Stock	0	\$0.00	0	0	I	\$0.00	0.00%	\$0.00

2016	Rolling Stock	Total	1	\$60,000.00 \$60,000.00	0	0	\$0.0 \$0.0		0.00%	\$40,200.00 \$40,200.00	
Other Uncatego	orized Capital Purchases	(Define ar	nortization pe	riod, up to 20 years)						?	
				2		2	2	Original Cost of	2	Non	
Year of			Number	Total Cost of	Amortization	Year	Number	Decommissioned	IC&I %	Blue Box %	Net Residentia
Commission	Capital Item		Purchased	Purchases	Period	Decommissioned	Decommissioned	Capital	of Total	of Residential	Blue Box Cos
2001			0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.
2002			0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.
2003			0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.
2004			0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.0
2005			0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.0
2006			0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.
2007			0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.0
2008			0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.0
2009			0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.0
2010			0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.0
2010			0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.
2011			0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.0
2011			0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.0
2012			0	\$0.00	0	0	0	\$0.00	0.00%		\$0.0
2012			0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.0
2013			0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.0
2013			0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.0
2014			0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.
2014			0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.
2015			0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.
2015			0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.
2016			0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.
2016			0	\$0.00	0	0	0	\$0.00	0.00%		\$0.
	,	Total	0	\$0.00	,		0	\$0.00	0.0070		\$0.0
			<u> </u>	ψσ			<u> </u>	φ0.00		,	Ţ.
I <mark>OTE: FORMULA F</mark> let Residential Blu xample: Total Cos	OST - DEPOT AND TO FOR CALCULATING NET IN THE BOX COST = Total COST ST = \$100, ICI% = 10%, No Dential Blue Box Cost =	RESIDENTI - (Total Co n BB% = 20	AL BLUE BOX pst * ICI%) – ((1 0%, 10 * 0.1) – ((\$10	COST HAS BEEN CH		BB%)					





## **Section 3 - Services Provided: BANCROFT, TOWN OF**





## **Blue Box Cost - Other Revenue**

## **REVENUE**

1 Other Blue Box Revenue Sources	2016		2015
Sales of Blue Boxes, Curbside Containers	\$274.35	1	\$212.40
Fees and Service Charges	\$0.00	2	\$0.00
Other	\$0.00	3	\$0.00
Other	\$0.00	4	\$0.00
Total Other Blue Box Revenu	se \$274.35	5	\$212.40

## 2 Comments and Clarifications (maximum 4000 characters)

Provide any descriptive comments about the figures in this section. Include any information explaining why your revenues may be higher or lower than other similar municipalities.

			·	_
In 2016, th	ne Town	sold 31	blue boxes to ratepayers at the cost of \$8.85 each.	J
				1

Section 3 - Services Provided: BANCROFT, TOWN OF	

## Section 3 - Services Provided: Non Blue Box





## **Other Recyclables**



Do all of the households in your program receive the same level of service? jn Yes jn No

#### **Households Serviced under this Contract**

Municipal Service Area	Single Family	Multi Family	Total
Town of Bancroft (DEPOT)	1,574	370	1,944
Total Households	1,574	370	1,944

Multi Family households serviced by curbside Multi Family households serviced by depot Unserviced Multi Family households



Municipal Service Area:

PLEASE INDICATE WHICH MATERIALS ARE ELIGIBLE FOR COLLECTION AT RESIDENTIAL CURBSIDE, IC&I CURBSIDE, AND/OR DEPOT

Residential Curbside C

IC&I Curbside

Depot

#### Section 3 - Services Provided: Non Blue Box





### **Other Recyclables**



#### **RESIDENTIAL OTHER RECYCLABLES AND REUSABLES**

\_\_\_\_\_ TONNES \_\_\_\_

						2							
		Collected C	Curbside	Collected	Depot	Marke	eted	Dispo	sed	Collected	Collected		
		Residential	IC&I	Residential	IC&I	Residential	IC&I	Residential	IC&I	Curbside	Depot	Marketed	Disposed
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAP?	Textiles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAP?	Bulky Goods 🛂	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAP?	Scrap Metal 🔃	0.00	0.00	58.05	3.06	0.00	0.00	0.00	0.00	0.00	38.97	38.97	0.00
GAP?	Drywall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAP?	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAP?	Brick & Concrete	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAP?	Other C&D Recyclables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAP?	Other	0.00	0.00	0.81	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.00
	Total	0.00	0.00	58.86	3.10	0.00	0.00	0.00	0.00	0.00	39.01	39.01	0.00
		GAP?		GAP?		GAP?		GAP?					

Are your Other Recyclables tonnes based on weigh scale tickets or volume estimates converted to tonnes?

	Weigh Scale Tickets	Volume Estimates Converted to Tonnes
Textiles	é	é
Bulky Goods	€	ê
Scrap Metal	Ь	ē
Drywall	€	ê
Wood	€	ē
Brick & Concrete	€	ē
Other C&D Recyclables	€	ê
Other	ь	ē

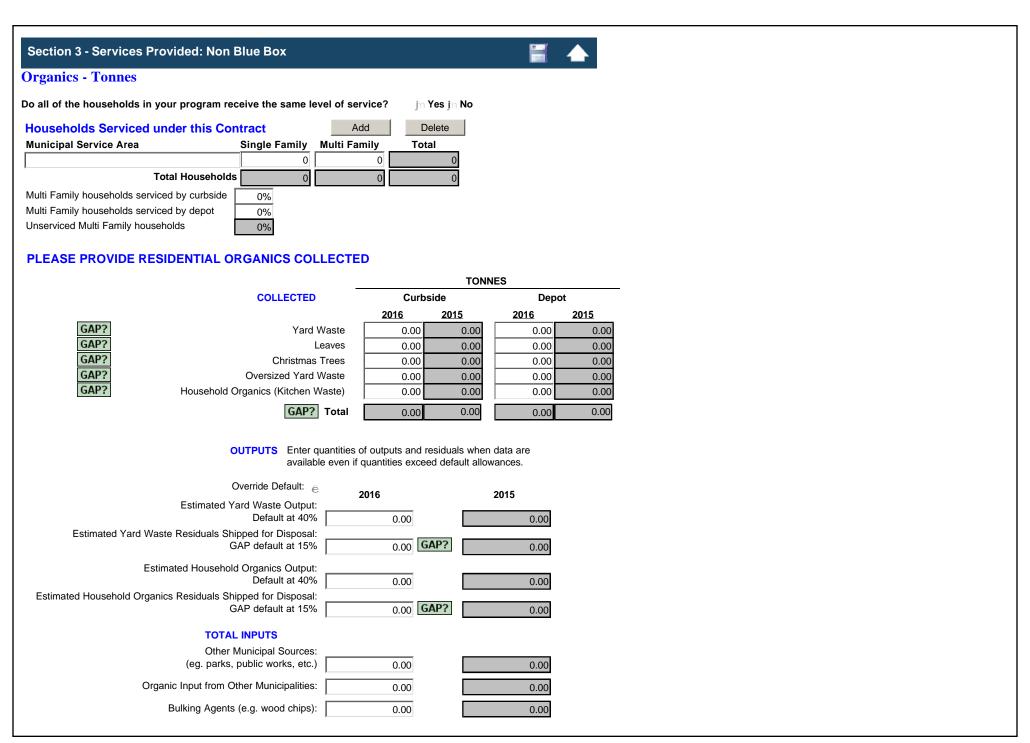
#### **COMMENTS AND CLARIFICATIONS (maximum 4000 characters)**

Enter any additional comments about the information entered in this section.

Other = Automotive Plastics.

All scrap metal and automotive plastics tonnages based on weigh scale tickets provided by service providers.

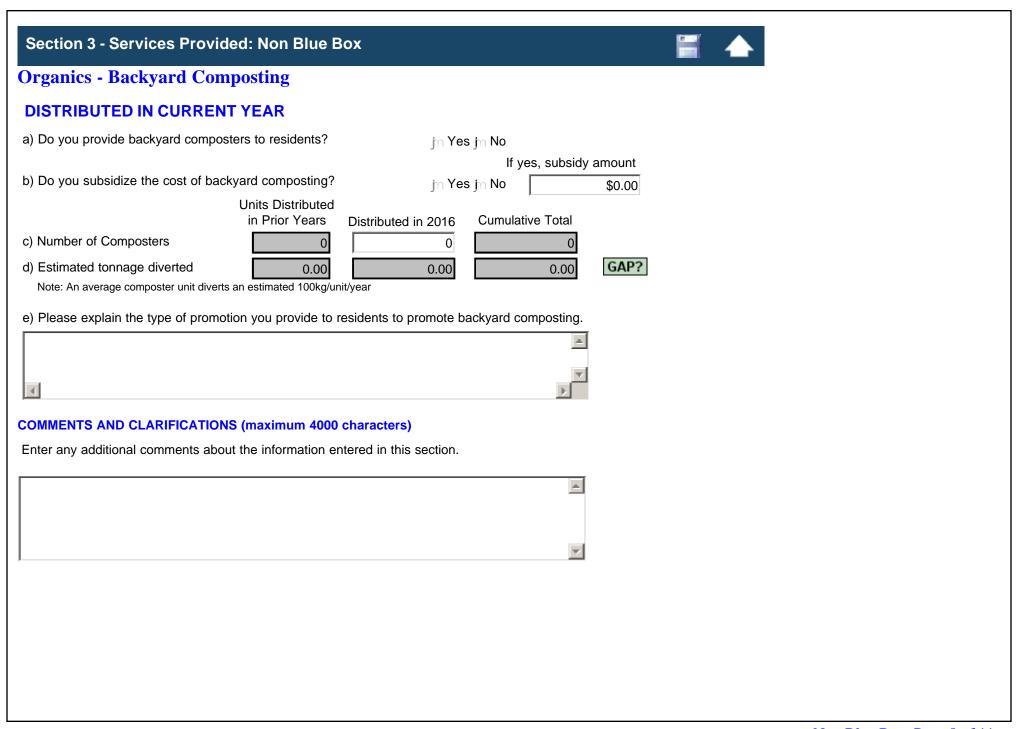


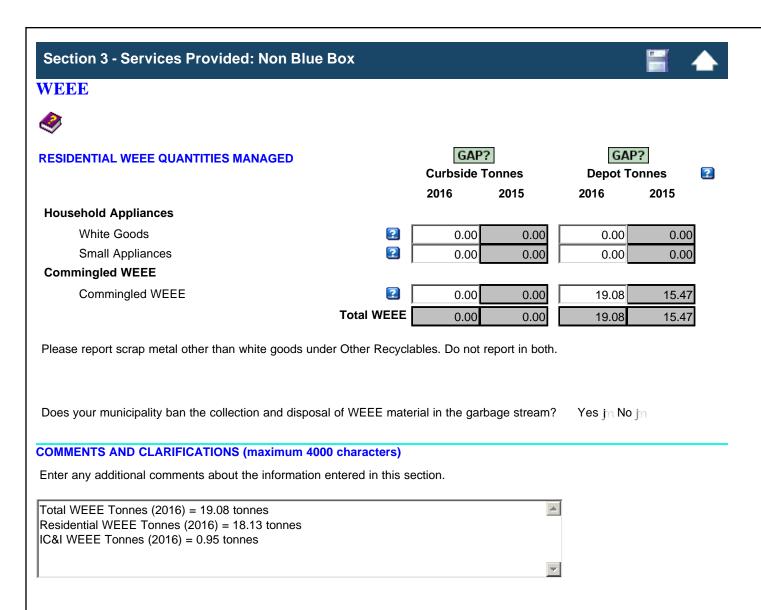


Total IC&I Orga	nics:	0.00	0.00
Total Organics In	outs:	0.00	0.00
(Includes totals collected al	pove)	0.00	0.00
Are your Organics tonnes based on weigh scale ticket	s or volume est	imates converted to ton	nes?
. <b>, .</b>	Weigh Scale	Volume Estimates	
	Tickets	Converted to Tonnes	
Yard Waste	é	ê	
Leaves	é	ê	
Christmas Trees	é	é	
Oversized Yard Waste	é	É	
Household Organics (Kitchen Waste)	€	ē	
Yard Waste Output	ē	é	
Yard Waste Residuals Shipped for Disposal	€	é	
Household Organics Output	€	ê	
Household Organics Residuals Shipped for Disposal	ē	ē	
COMMENTS AND CLARIFICATIONS (maximum 4000 chara	cters)		
Enter any additional comments about the information entered	in this section.		
Organics collection is not currently part of Town of Bancroft wa	aste and recycli	ng services.	
		₩	

#### Section 3 - Services Provided: Non Blue Box **Organics - Central Composting CENTRAL COMPOSTING** Note: Questions k, I, m, n, o and p must be answered to calculate grasscycling tonnes in GAP b) What is the a) What type of containers are c) What is the grade d) How often do you GAP? used by the residents? composting method? of compost produced? test your compost? Plastic Bags € Windrow € CCME A Paper Fibre € Static Pile € CCME B Wheeled carts (ventilated) € Interim MOE Guidelines Invessel e) What lab are you Rigid Bins Anerobic Digestion € Unknown using for your test? Wheeled carts (non-ventilated) Other, specify: f) % of unprocessed organics sent for direct land application: 0.00% g) What is the distribution % of your total outputs: Sold: Give Away: 0.00% Used By Your Organization: 0.00% 0.00% h) Who markets your product? i) Who are the users of your finished compost? E Landscapes € Topsoil Blenders Agricultural Garden Centres Municipal Residents Land Reclamation j) What are the revenues for your finished compost product? Revenue Amount: Unit: \$0.00 k) Do you have a ban on grass clippings in the garbage? GAP? jn Yes jn No I) Do you ban grass clippings from your leaf and yard waste curbside collection? GAP? in Yes in No m) Do you ban grass clippings from your leaf and yard waste depot collection? GAP? in Yes in No n) Do you promote grasscycling to your residents through promotion/educational materials? in Yes in No GAP?

			0.170
o) Do you provide bi-weekly garbage collection?		jn Yes jn No	GAP?
p) Do you require that residents use clear bags for garbage collection?		jn Yes jn No	GAP?
COMMENTS AND CLARIFICATIONS (maximum 4000 characters)			
Enter any additional comments about the information entered in this section.			
Organica collection is not autrently part of Tours of Departity worth and requaling consists			
Organics collection is not currently part of Town of Bancroft waste and recycling services.			
	₹		





#### **Section 3 - Services Provided: Non Blue Box** Garbage Do all of the households in your program receive the same level of service? in Yes in No **Households Serviced under this Contract Municipal Service Area** Single Family Multi Family Total Town of Bancroft 1,574 370 1,944 **Total Households** 1,574 370 1,944 Multi Family households serviced by curbside 100% Multi Family households serviced by depot 0% Unserviced Multi Family households 0% LIST THE MUNICIPALITIES SERVICED BY YOUR BULKY WASTE COLLECTION PROGRAM Add Delete Municipal Service Area What items are collected? What is the frequency of collection? GARBAGE COLLECTED (TONNES) Residential 2 IC&I 🔛 Total 2016 2015 2016 2015 2016 2015 GAP? a) From Curbside Collection 286.01 756.50 286.01 756.50 572.02 1,513.00 GAP? b) From Drop-off Depots 1,043.14 341.06 505.20 702.08 819.69 1,324.89 Total 627.07 1,261.70 988.09 1,576.19 1,615.16 2,837.89 Are your garbage tonnes based on b weigh scale tickets **b** volume estimates converted to tonnes Cubic meters - : 0.00 Please provide the conversion rate from volume to tonnes: 0.00 Did you dispose of all your residential garbage at landfill? in Yes in No **COMMENTS AND CLARIFICATIONS (maximum 4000 characters)** Enter any additional comments about the information entered in this section.

Curbside Garbage includes regular municipal solid waste (i.e. bagged waste).  Depot Garbage includes regular municipal solid waste (i.e. bagged waste), construction & demolition (C&D) waste, asphalt shingles, leaf and yard waste, and bulky waste.  Bulky waste collected in 2016 was exported by the Township by an approved service provider to landfill of Lafleche Environmental. Bulky waste tonnages were based on weigh scale tickets	<b>▲</b>

## Section 4.1 - Blue Box Tonnes Summary





	2016 TONNES					2	015 TONNES	2016	_	
	Residential Collected Curbside	Residential Collected Depot		Net Residential Stockpiled	Net Residential Disposed	Residential Collected Curbside		Net Residential Marketed	NET RESIDENTIAL REVENUE RECEIVED	2015 REVENI RECEIV
Fibres										
	0.00	0.00	0.00	0.00		0.00	0.00	0.00	\$0.00	\$(
	0.00	0.00	0.00	0.00		0.00	0.00	0.00	\$0.00	\$(
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$(
	0.00	0.00	0.00	0.00		0.00	0.00	0.00	\$0.00	\$(
	0.00	0.00	0.00	0.00		0.00	0.00	0.00	\$0.00	\$(
	0.00	82.41	0.00	0.00		0.00	23.35	0.00	\$5,805.30	\$2,269
	0.00	0.00	0.00	0.00		0.00	0.00	0.00	\$0.00	\$(
	0.00	0.00	0.00	0.00		0.00	0.00	0.00	\$0.00	\$(
	0.00	0.00	0.00	0.00		0.00	0.00	0.00	\$0.00	\$(
	0.00	55.62	0.00	0.00	0.00	68.93	68.95	0.00	\$1,624.59	\$2,054
Metals	0.00	0.00	0.00	0.00	0.00	2.22	0.00	2.22	Ф0.00	
	0.00	0.00	0.00	0.00		0.00	0.00	0.00	\$0.00	\$(
<b>.</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$(
Plastics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>#0.00</b>	<b>C</b>
	0.00	0.00	0.00	0.00		0.00	0.00	0.00	\$0.00	\$(
	0.00	0.00	0.00	0.00		0.00	0.00	0.00	\$0.00	\$(
	0.00	0.00	0.00	0.00		0.00	0.00	0.00	\$0.00	\$(
	0.00	0.00	0.00	0.00		0.00	0.00	0.00	\$0.00	\$(
	0.00	0.00	0.00	0.00		0.00	0.00	0.00	\$0.00	\$(
	0.00	0.00	0.00	0.00		0.00	0.00	0.00	\$0.00	\$(
	0.00	0.00	0.00	0.00		0.00	0.00	0.00	\$0.00	\$(
Olaca Ocutalinasa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$(
Glass Containers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	ው ሰብ	<b>•</b> /
Marketed To Processors	0.00 0.00	0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	\$0.00 \$0.00	\$( \$(
Marketed 10 1 100633013	0.00	0.00	0.00	0.00		0.00	0.00	0.00	\$0.00 \$0.00	\$(
	0.00		0.00					0.00	φυ.υυ	\$(
Commingle	0.00	0.00		0.00	0.00	0.00	0.00	0.00		Φί
Commingle	235.95	0.00	0.00	0.00	0.00	111.20	0.00	0.00	\$0.00	\$(
	0.00	0.00	0.00	0.00		0.00	0.00	0.00	\$0.00	\$(
	0.00	0.00	0.00	0.00		0.00	0.00	0.00	\$0.00	\$(
	0.00	52.69	0.00	0.00		72.10	43.69	0.00	\$0.00	\$(
TOTAL REPORTED BLUE BOX		190.72	0.00 <b>0.00</b>	0.00 <b>0.00</b>		252.23	43.69 <b>135.99</b>	0.00 <b>0.00</b>	\$7,429.89	\$4,32:
IOIAL REPORTED BLUE BOX	GAP?	GAP?	GAP?	0.00	0.00	232.23	133.99	0.00	φ <i>1</i> ,423.03	Ψ4,3 <b>2</b> .



## Blue Box / Blue Bag Recyclables (Tonnes)

	2016	2015
a) Residential Curbside Collection	235.95	252.23
b) Residential Depot Collection	190.72	135.99
c) Total Residential Recycling Collection [a+b]	426.67	388.22
d) Total Residential Tonnes Marketed	0.00	0.00
e) Shipped for Disposal	40.01	27.18
f) Stockpiled	0.00	0.00

#### 2016 MARKETED BLUE BOX TONNAGE SUMMARY RESULTS

Program Name	BANCROFT, TOWN (	)F		
Program Code	711		Total Population	3,881
2015 Blue Box Ton	nage	388.22	Total Households	1,944
2016 Blue Box Ton	nage	426.67	BB Households Curbside	1,944
	3.	0.0.	BB Households Depot	0

Please provide an explanation if any of your calculated kgs/hhld or % by material type exceeds the suggested range of values:

2016 Details	Marketed Tonnage	Kgs / Hhld	%
Printed Paper			
ONP #8	0.00	0.00	
ONP #6	0.00	0.00	
Household Fine Paper	0.00	0.00	
Old Telephone Directories	0.00	0.00	
Old Magazines/Catalogues (OMG)	0.00	0.00	
Printed Paper	0.00	0.00	
Sub-Total	0.00		0.0%
Packaging			
Old Corrugated Containers (OCC)	0.00	0.00	
Old Boxboard (OBB)	0.00	0.00	
OCC/OBB Mix (Hardpack)	0.00	0.00	
Paper-Based Packaging	0.00	0.00	

Sub-Total	0.00
	0.00
Desidential Missed Deven	0.00
Residential Mixed Papers	0.00 0.00
Polycoat Containers	0.00 0.00
Sub-Total	0.00
Metal	
Aluminum (Cans, Containers, Foil)	0.00 0.00
Steel (Cans, Containers)	0.00 0.00
Sub-Total	0.00
Plastics	
PET Bottles (#1)	0.00 0.00
PET Clamshells (#1)	0.00 0.00
HDPE Containers - Clear(#2)	0.00 0.00
HDPE Containers - Coloured(#2)	0.00 0.00
Other Bottles (#3, #5, #7)	0.00 0.00
Plastic Film (#2, #4)	0.00 0.00
Tubs & Lids (#2, #4, & #5)	0.00 0.00
Polystyrene Foam(#6)	0.00 0.00
Polystyrene Crystal(#6)	0.00 0.00
Mixed Plastics	0.00 0.00
Sub-Total	0.00
Flint/Clear	
Marketed To Processors	0.00 0.00
Aggregate meeting MTO Standards	0.00 0.00
Sub-Total	0.00
Coloured  Marketed To Processors	0.00 0.00
Aggregate meeting MTO Standards	0.00 0.00
Aggregate meeting MTO Standards  Sub-Total	
	0.00
Mixed Glass	
Marketed To Processors	0.00 0.00
Aggregate meeting MTO Standards	0.00 0.00
Sub-Total	0.00
Commingle	
-	

Fibre, Glass, Aluminum, Steel, Plastic	0.00	0.00	
Fibre, Aluminum, Steel, Plastic	0.00	0.00	
Fibre, Steel, Plastic	0.00	0.00	
Aluminum, Steel, Plastic	0.00	0.00	
Glass, Aluminum, Steel, Plastic	0.00	0.00	
Sub-Total	0.00	0.0%	
Total	0.00	0.0%	

## **Section 4.2 - Blue Box Cost Summary**



## **OPERATING AND CAPITAL COST - COLLECTION**

## 1 Blue Box Curbside Collection Operating Expenses

		2016		2015
	Curbside Collection Contract Cost	\$ 109,761.08	1	\$ 102,399.82 1
	Direct Curbside Collection Cost	\$ 0.00	2	\$ 0.00 2
	Foremen/Supervisors	\$ 0.00	3	\$ 0.00 3
	Training	\$ 0.00	4	\$ 0.00 4
	Recycling Vehicle Repair and Maintenance	\$ 0.00	5	\$ 0.00 5
	Recycling Vehicle Fuel	\$ 0.00	6	\$ 0.00 6
	Recycling Vehicle Radio Airtime	\$ 0.00	7	\$ 0.00 7
	Recycling Vehicle Licenses and Permits	\$ 0.00	8	\$ 0.00 8
	Recycling Vehicle Insurance	\$ 0.00	9	\$ 0.00 9
	Blue Boxes	\$ 0.00	10	\$ 0.00 10
	Curbside Collection Vehicle Leases	\$ 0.00	11	\$ 0.00 11
	Fleet Management Costs	\$ 0.00	12	\$ 0.00 12
	Wine & Spirits deposit container cost	\$ 0.00	13	\$ 0.00 13
	Fuel Surcharge	\$ 0.00	14	\$ 0.00 14
	Total Operating Cost	\$ 109,761.08	15	\$ 102,399.82 15
2	Blue Box Curbside Collection Capital Depreciation Charge			
		2016		2015
	Annual Cost - Vehicles	\$ 0.00	16	\$ 0.00 16
	Annual Cost - Blue Boxes	\$ 0.00	17	\$ 0.00 17
	Annual Cost - Carts	\$ 0.00	18	\$ 0.00 18
	Annual Cost - Rolloff Bins/Compact'd Trailers	\$ 0.00	19	\$ 0.00 19
	Total Curbside Collection Capital Cost	\$ 0.00	20	\$ 0.00 20
3	Total Collection Cost			
		2016		2015
	Total Collection Cost	\$ 109,761.08	21	\$ 102,399.82 21
4	Deduction of Stockpiling Cost			
		2016		2015
	%'age allocated to contracted collection of stockpiled material	0.00 %	22	0.00 % 22
	%'age allocated to municipal collection of stockpiled material	 0.00 %	23	0.00 % 23

\$value allocated to contracted collection of stockpiled material	-\$	0.00 2	4 \$	0.00 24
\$value allocated to municipal collection of stockpiled material	-\$	0.00 2	-	0.00 25
	•		,	
5 Gross Residential Collection Cost		2046		2045
Gross Residential Collection Cost	\$	<b>2016</b> 109,761.08 2	5 \$	<b>2015</b> 102,399.82 26
Gross Residential Concession Cost	Ψ	103,701.00 2	Ψ	102,000.02 20
OPERATING AND CAPITAL COST - PROCESSING				
1 Blue Box Processing Material Handling Cost				
		2016		2015
Processing Contract Cost	\$	0.00 1	\$	0.00 1
Direct Processing Cost	\$	0.00 2	\$	0.00 2
Foremen/Supervisors	\$	0.00 3	\$	0.00 3
Training	\$	0.00 4	\$	0.00 4
Equipment Repairs and Maintenance	\$	0.00 5	\$	0.00 5
Processing Equipment Fuel	\$	0.00 6	\$	0.00 6
Baling Wire	\$	0.00 7	\$	0.00 7
Processing Equipment Insurance	\$	0.00 8	\$	0.00 8
Equipment Leases	\$	0.00 9	\$	0.00 9
Equipment Rentals	\$	0.00 1	0 \$	0.00 10
Miscellaneous Supplies	\$	0.00 1	1 \$	0.00 11
Recyclables Shipping and Duty	\$	0.00 1	2 \$	0.00 12
Residues Disposal	\$	0.00 1	3 \$	0.00 13
Residues sent for Additional Processing	\$	0.00 1	4 \$	0.00 14
Wine & Spirits deposit container cost	\$	0.00 1	5 \$	0.00 15
Material Handling Operating Cost	\$	0.00 1	6 \$	0.00 16
2 Blue Box Processing Facility Cost				
•		2016		2015
Building Repairs and Maintenance	\$	0.00 1	7 \$	0.00 17
Building Insurance	\$	0.00 1	8 \$	0.00 18
Site Maintenance	\$	0.00 1	9 \$	0.00 19
Janitorial Services	\$	0.00 2	0 \$	0.00 20
Utilities - Hydro	\$	0.00 2	1 \$	0.00 21

	Utilities - Water	\$	0.00 22	2 \$	0.00 22
	Utilities - Gas	\$	0.00 23	\$	0.00 23
	Fire Alarm & Sprinkler Maintenance	\$	0.00 24	\$	0.00 24
	Site Security	\$	0.00 25	\$	0.00 25
	Taxes	\$	0.00 26	\$	0.00 26
	Processing Facility Operating Cost	\$	0.00 27	' \$	27
3	Blue Box Processing Capital Depreciation Charge				
		•	2016	. •	2015
	Annual Cost - MRF Building	\$	0.00 28		0.00 28
	Annual Cost - Initial MRF Equip/Major Retrofits	\$	0.00 29		0.00 29
	Annual Cost - Replacement Equip. Minor Retrofits	\$	0.00 30		0.00 30
	Annual Cost - Rolloff Containers/Dumpsters	\$	0.00 31		0.00 31
	Annual Cost - Rolling Stock	\$	0.00 32		0.00 32
	Total Processing Capital Cost	\$	0.00 33	3 \$	0.00 33
4	Net Residential Blue Box Market Tip Fees Paid				
?	Net Residential Market Tip Fees Paid	\$	<b>2016</b> 0.00 34	\$	<b>2015</b> 0.00 34
5	Total Residential Processing Cost				
			2016		2015
	Total Residential Processing Cost	\$	0.00 35	5 \$	0.00 35
6	Deduction of Stockpiling Cost				
	0/laga allocated to contracted processing of stocknilled motorial		2016		2015
	%'age allocated to contracted processing of stockpiled material		0.00 % 36		0.00 % 36
	%'age allocated to municipal processing of stockpiled material	ď	0.00 % 37		0.00 % 37
	\$value allocated to contracted processing of stockpiled material	-\$ ¢	0.00 38		38
	\$value allocated to municipal processing of stockpiled material	-\$	0.00 39	9 -\$	0.00 39
_	Gross Residential Processing Cost		2016		2015
7			ZUIU		2013

1 Blue Box Depot/Transfer Material Handling Cost			
i blue box bepor transier material tranuling cost	2016		2015
Depot/Transfer Contract Cost	\$ 0.00	1 5	0.00
Depot/Transfer Facility Staffing	\$ 18,496.89	2 9	16,142.74
Foremen/Supervisors	\$ 4,012.50	3 5	3,943.49
Training	\$ 0.00	4 5	450.00
Equipment Repairs and Maintenance	\$ 0.00	5 9	0.00
Equipment Fuel	\$ 0.00	6 5	0.00
Equipment Insurance	\$ 0.00	7 9	0.00
Equipment Leases	\$ 0.00	в 9	0.00
Equipment Rentals	\$ 0.00	9 5	0.00
Miscellaneous Supplies	\$ 0.00	10 \$	0.00
Wine & Spirits deposit container cost	\$ 0.00	11 §	0.00
Other - 2015 Total	\$	12 \$	1,983.57
Other - OCC Bailing Operator (8hr/week)	\$ 5,953.94	13	5
Material Handling Operating Cost	\$ 28,463.32	14	22,519.80
2 Blue Box Depot/Transfer Station Cost			
	2016		2015
Building Repairs and Maintenance	\$ 0.00		
Building Insurance	\$ 269.28		
Site Maintenance	\$ 0.00		•
Janitorial Services	\$ 0.00		
Utilities - Hydro	\$ 859.44		
Utilities - Water	\$ 0.00	20 \$	0.00 2
Utilities - Gas	\$ 2,368.36	21 \$	1,172.48 2
Fire Alarm and Sprinkler Maintenance	\$ 73.84	22 \$	0.00 2
Site Security	\$ 879.46	23 5	0.00 2
Taxes	\$ 3,171.04	24	3,121.19
Depot/Transfer Facility Operating Cost	\$ 7,621.41	25 \$	6,938.12
3 Bin/Rolloff Removal/Transfer			
	2016		2015
Bin/Rolloff Removal and Transfer	\$ 12,635.00	26 \$	16,380.00 2
4 Blue Box Depot/Transfer Capital Depreciation Charge	2046		2045
	2016		2015

	Annual Cost - Depot/Transfer Station Building	Ф.	6 200 1/1 27	7 <b>C</b>	0.00 27	
	·	\$	6,388.14 27			
	Annual Cost - Initial Depot/Transfer Equipment	\$	17,593.52 28		0.00 28	
	Annual Cost - Replacement Equipment	\$	0.00 29	•	0.00 29	
	Annual Cost - Rolloff Containers	\$	0.00 30	•	0.00 30	
	Annual Cost - Rolling Stock	\$	13,400.00 31		0.00 31	
	Total Depot/Transfer Station Capital Cost	\$	37,381.66 32	2 \$	0.00 32	
5	Total Residential Depot/T.S. Cost					
			2016	_	2015	
	Total Residential Depot/T.S. Cost	\$	86,101.38 33	3 \$	45,837.92 33	
6	Deduction of Stockpiling Cost					
			2016		2015	
	%'age allocated to contracted depot/T.S. of stockpiled material		0.00 % 34	1	0.00 % 34	
	%'age allocated to municipal depot/T.S. of stockpiled material		0.00 % 35	5	0.00 % 35	
	\$value allocated to contracted depot/T.S. of stockpiled material	-\$	0.00 36	s <b>-</b> \$	0.00 36	
	\$value allocated to municipal depot/T.S. of stockpiled material	-\$	0.00 37	7 -\$	0.00 37	
7	Gross Residential Depot/T.S. Cost					
			2016		2015	
	Gross Residential Depot/T.S. Cost	\$	86,101.38 38	3 \$	45,837.92 38	
G	ROSS COST					
	1 RESIDENTIAL COLLECTION COST				2016	2015
	Total Cont	racted C	Collection Cost:	\$	109,761.08 1	\$ 102,399.8
	Less Contracted Collection Cost for 20	016 Stoc	kpiled Material	\$	0.00 2	\$
?	Plus Contracted Collection Cost for 2015 Stockp	oiled Ma	terial Marketed	\$	0.00 3	\$
			Subtotal:	\$	109,761.08 4	\$ 102,399.8
	Total Mu	nicipal C	Collection Cost:	\$	0.00 5	\$ 0.0
	Less Municipal Collection Cost for 20	016 Stoc	kpiled Material	\$	0.00 6	\$
?	Plus Municipal Collection Cost for 2015 Stockp	oiled Ma	terial Marketed	\$	0.00 7	\$
			Subtotal:	\$	0.00 8	\$ 0.0
	Gross Resid	dential C	Collection Cost:	\$	109,761.08 <sup>9</sup>	\$ 102,399.8

		2 RESIDENTIAL PROCESSING COST
0.0	\$ 0.00 10	Total Contracted Processing Cost:
	\$ 0.00 11	Less Contracted Processing Cost for 2016 Stockpiled Material
	\$ 0.00 12	Plus Contracted Processing Cost for 2015 Stockpiled Material Marketed
0.0	\$ 0.00 13	Subtotal:
0.0	\$ 0.00 14	Total Municipal Processing Cost:
	\$ 0.00 15	Less Municipal Processing Cost for 2016 Stockpiled Material
	\$ 0.00 16	Plus Municipal Processing Cost for 2015 Stockpiled Material Marketed
0.0	\$ 0.00 17	Subtotal:
0.0	\$ 0.00 18	Gross Residential Processing Cost:
		3 RESIDENTIAL DEPOT/TRANSFER COST
0.0	\$ 0.00 19	Total Contracted Depot/Transfer Cost:
	\$ 0.00 20	Less Contracted Depot/Transfer Cost for 2016 Stockpiled Material
	\$ 0.00 21	Plus Contracted Depot/Transfer Cost for 2015 Stockpiled Material Marketed
0.0	\$ 0.00 22	Subtotal:
45,837.9	\$ 86,101.38 23	Total Municipal Depot/Transfer Cost:
	\$ 0.00 24	Less Municipal Depot/Transfer Cost for 2016 Stockpiled Material
	\$ 0.00 25	Plus Municipal Depot/Transfer Cost for 2015 Stockpiled Material Marketed
45,837.9	\$ 86,101.38 <sup>26</sup>	Subtotal:
45,837.9	\$ 86,101.38 27	Gross Residential Depot/Transfer Cost:
		4 PROMOTION EDUCATION COST
0.0	\$ 0.00 28	Administration Staff Cost:
0.0	\$ 235.05 <sup>29</sup>	Total Blue Box Promotion & Education Material Costs:
		5 CALCULATION OF ADMINISTRATION COST
45,837.9	\$ 86,336.43 30	Municipal Cost:
0.0	\$ 5,231.77 31	Interest On Municipal Capital:
45,837.9	\$ 91,568.20 32	Total Municipal Cost:
5.00 %	5.00 % 33	Admin Factor Municipal Cost:
102,399.8	\$ 109,761.08 34	Total Contract Cost:
3.00 %	3.00 % 35	Admin Factor Contract Cost:

	Admin Cost:	\$ 7,871.24 36	\$ 5,363.8
6 TOTAL GROSS RESIDENTIAL COST		\$ 209,200.52 37	\$ 153,601.6

## **REVENUE**

### 1 REVENUE FROM THE SALE OF RESIDENTIAL BLUEBOX

	2016	2015
Residential Blue Box Sales	\$ 7,429.89 1 \$	4,323.77 1

### 2 Other Blue Box Revenue Sources

			2016		2015	
	Sales of Blue Boxes, Curbside Containers		\$ 274.35	2	\$ 212.40	2
	Fees and Service Charges		\$ 0.00	3	\$ 0.00	3
	Other		\$ 0.00	4	\$ 0.00	4
	Other		\$ 0.00	5	\$ 0.00	5
	To	otal Other Blue Box Revenue	\$ 274.35	6	\$ 212.40	6
3	TOTAL OF ALL RESIDENTIAL REVENUE		\$ 7,704.24	7	\$ 4,536.17	7

## 2016 MUNICIPAL DATACALL BLUE BOX SUMMARY RESULTS

SUMMARY RESULTS	TOTAL	Per Household			Per Tonne		
Households Serviced by Blue Box Program	1,944.00						
Tonnes Marketed:	0.00		0.00 kg	IS			
Gross Cost:	\$ 209,200.52	\$	107.61	\$	0.00		
Revenue:	\$ 7,704.24	\$	3.96	\$	0.00		
Net Cost:	\$ 201,496.28	\$	103.65	\$	0.00		





## **Section 4.3 - Other Recyclables Summary**



## **Other Recyclables Summary**

## **2016 TONNES**

## **2015 TONNES**

GAP?
GAP?

	Collected Curbside	Collected Depot	Marketed	Disposed	Collected Curbside	Collected Depot	Marketed	Disposed
Textiles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Bulky Goods</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scrap Metal	0.00	58.05	0.00	0.00	0.00	38.97	38.97	0.00
Drywall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Brick &amp; Concrete</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other C&D Recyclables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total:	0.00 <b>GAP?</b>	58.05 <b>GAP?</b>	0.00 <b>GAP?</b>	0.00 <b>GAP?</b>	0.00	38.97	38.97	0.00





# **Section 4.4 - Organics Summary**



## **Organics Summary**

		2016 TONNES		ES 2015 TONNES	
	COLLECTED	Curbside	Depot	Curbside	Depot
GAP?	Yard Waste	0.00	0.00	0.00	0.00
GAP?	Leaves	0.00	0.00	0.00	0.00
GAP?	Christmas Trees	0.00	0.00	0.00	0.00
GAP?	Oversized Yard Waste	0.00	0.00	0.00	0.00
GAP?	Household Organics (Kitchen Waste)	0.00	0.00	0.00	0.00
	Total Residential Organics Collected	0.00 GAP?	0.00 GAP?	0.00	0.00

2016 TONNES	2015 TONNES
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
	0.00 0.00 0.00

TOTAL INPUTS		
Other Municipal Sources (e.g.parks,public works,etc.):	0.00	0.00
Organic Input from Other Municipalities:	0.00	0.00
Bulking Agents (e.g. wood chips):	0.00	0.00

Total IC&I Organics: 0.00 0.00

Total Organics Inputs: 0.00 0.00





## Section 4.5 - WEEE Summary



## **WEEE Summary**

		<b>Curbside Tonnes</b>		Depot Tonnes	
		2016	2015	2016	2015
Commingled WEEE					
Commingled WEEE		.00	.00	19.08	15.47
White Goods					
White Goods		.00	.00	.00	.00
Small Appliances		.00	.00	.00	.00
	GAP? Total WEEE	.00	.00	19.08	15.47





# Section 4.6 - Garbage Summary

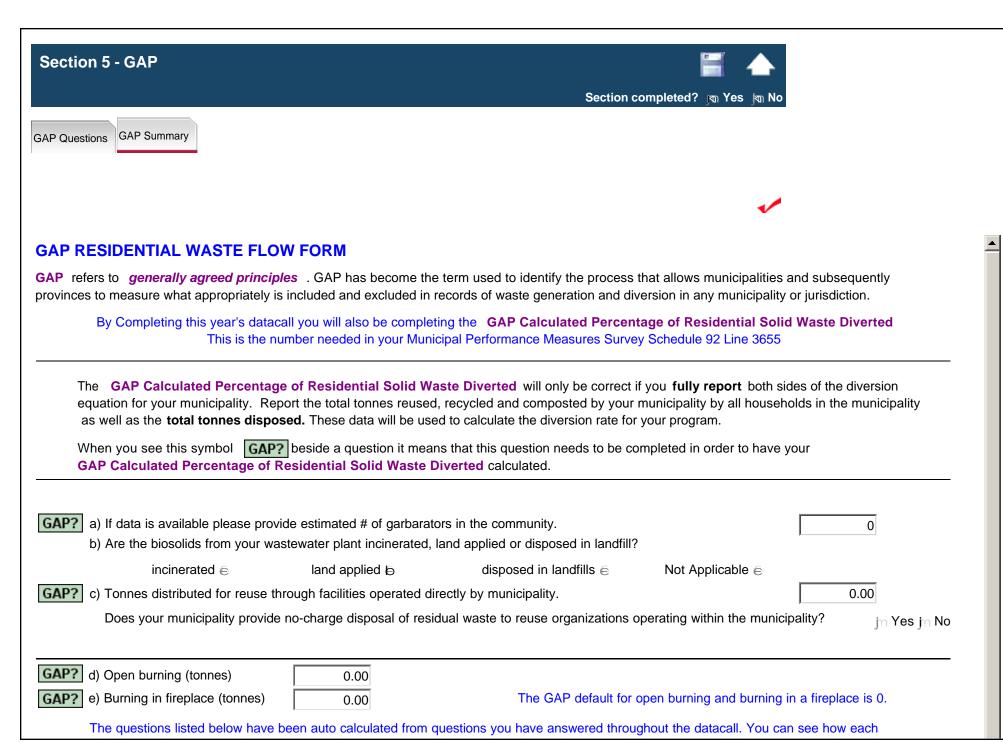


## **GARBAGE COLLECTED (TONNES)**

		Residential		IC&I		Total	
		2016	2015	2016	2015	2016	2015
a) From Curbside Collection	GAP?	286.01	756.50	286.01	756.50	572.02	1,513.00
b) From Drop-off Depots	GAP?	341.06	505.20	702.08	819.69	1,043.14	1,324.89
	Total	627.07	1,261.70	988.09	1,576.19	1,615.16	2,837.89







was calculated by viewing the help box information.
GAP? f) Grasscycling (tonnes) 0.00
If you have a verifed number for grasscycling you may enter it here 0.00 instead of using the GAP default value.
GAP? g) Evapotranspiration (tonnes) 0.00 GAP? h) Garburators (tonnes) 0.00
In the next five years, do you believe that your municipality is likely to plan to implement a new program to collect organic kitchen waste or expand a current program to collect such material? jn Yes jn No jn Don't Know
If so, how many new households do you anticipate will be included in your new program or added to your existing program?
GAP? i) Residential tonnes of beer, wine spirit containers diverted through The Beer Store
GAP? i) Residential tonnes of Passenger Light Truck Tires diverted through the Used Tires Program 27 56
GAP B.5 (MHSW) and B.6 (MHSW)
k) Please provide total tonnes of residential MHSW materials collected 0.00 . Please provide the split of this total MHSW tonnage between:
Event Days 0.00 GAP?
Depot 0.00 GAP?
GAP C.2 Deposit Containers From MRF  I) What was the tonnage of deposit containers recovered from the residential portion of your recyclables processing from the MRF  0.00 GAP?
GAP C.5 MHSW
m) In question k) you have reported 0.00 total MHSW tonnes. If you have records maintained on the percentage of this total that is recycled and reused you can enter it below. Otherwise all MHSW material is considered disposed.
Calculated Tonnage
GAP? Percentage MHSW Recycled 0.00% 0.00 GAP? MHSW Tonnes Disposed 0.00
GAP? Percentage MHSW Reused 0.00% 0.00
GAP C.6 Residential Waste Incineration & EFW
n) What was the amount of bottom ash collected through incineration?  0.00 GAP?  Was the bottom ash recycled or disposed?
o) What was the amount of fly ash collected through incineration?  0.00 GAP?
p) What was the amount of recyclables recovered through incineration?  0.00 GAP?
q) What was the amount of non-ash residue resulting from incineration? 0.00 GAP?

## GAP C.7 Deposit Containers From Residential Mixed Waste Processing 0.00 **GAP?** r) What was the tonnage of deposit containers recovered from the residential portion of your mixed waste processing? To learn more about **GAP**, please download the GAP Manual click here. A.1 Residential On-Property Management 2016 BYC 0.00 SOURCE 0.00 SOURCE Grasscycling Evapotranspiration 0.00 SOURCE 0.00 SOURCE Garburators Open Burning 0.00 SOURCE Burning in Fireplace 0.00 SOURCE 21.38 **SOURCE B.1 Residential Component Deposit, Return & Stewardship Program** 0.00 SOURCE **B.2 Residential Reuse** 235.95 **SOURCE B.3 Curbside Residential Recyclables Collection B.4 Curbside Residential** 0.00 SOURCE Yard Waste Fall Leaves 0.00 SOURCE 0.00 SOURCE X-mas Trees Bulky/Oversized Yard Waste 0.00 SOURCE 0.00 SOURCE **Household Organics B.5 Residential Bulky & Special Waste Collection** 0.00 SOURCE MHSW 0.00 SOURCE **Bulky Goods** Scrap Metal 0.00 SOURCE 0.00 SOURCE **WEEE** 0.00 SOURCE Other **B.6 Residential Drop Off at Depots** 341.06 **SOURCE** Garbage 190.72 **SOURCE** Recyclables

**Household Organics** 

X-mas Trees

0.00 SOURCE

0.00 SOURCE

Leaf & Yard Waste		0.00 <b>SOURCE</b>	
Bulky/Oversized Yard Waste		0.00 <b>SOURCE</b>	
C&D		0.00 SOURCE	
MHSW		0.00 SOURCE	
Bulky Goods		0.00 SOURCE	
Scrap Metal		58.05 <b>SOURCE</b>	
WEEE		19.08 <b>SOURCE</b>	
Other		0.00 SOURCE	
B.7 Curbside Residential Garbage		286.01 <b>SOURCE</b>	
C.2 Residential Recyclables Processing			
Processed		504.61 <b>SOURCE</b>	
Product Marketed		449.01 <b>SOURCE</b>	
Deposit Containers		0.00 SOURCE	
Residue		0.00 SOURCE	
Blue Box	40.01		
Other Recyclables	40.01		
WEEE	3.82		
	3.62 Residue:	FF CO COURCE	
	tesique:	55.60 <b>SOURCE</b>	
C.3 Residential Organics Processing Processed		0.00 SOURCE	
Residue			
C.5 MHSW Treatment		0.00 <b>SOURCE</b>	
Processed		0.00 SOURCE	
Recycling		0.00 SOURCE	
Reuse		0.00 <b>SOURCE</b>	
Disposal		0.00 SOURCE	
C.6 Residential Waste Incineration & EFW		0.00 SOURCE	
Bottom Ash Disposed		0.00 <b>SOURCE</b>	
Bottom Ash Recycled		0.00 SOURCE	
Fly Ash		0.00 SOURCE	
Recyclables Diverted		0.00 SOURCE	
Non-Ash Residue		0.00 SOURCE	
	Procesing	0.00 SOURCE	
C.7 Deposit Containers From Residential Mixed Waste F	riocessing	0.00 SOURCE	

C.8 Residential tonnes, Used Tires P	rogram		27.56 <b>SOURCE</b>	
Diversion				
D.1 Residential Component Deposit	, Return & Steward	dship Program	21.38 <b>SOURCE</b>	
D.2 Residential Reuse			0.00 SOURCE	
D.3 Residential On-Property Manage	ement			
BYC			0.00 SOURCE	
Grasscycling			0.00 SOURCE	
Evapotranspiration			0.00 SOURCE	
D.4 Residential Recyclables Diverte	d		476.57 <b>SOURCE</b>	
D.5 Residential Organics Diverted			0.00 SOURCE	
D.6 MHSW Treatment/Reuse/Recycl	ing		0.00 SOURCE	
		Total:	497.95	
Disposal				
D.7 Residential EFW Mass Reduction	n		0.00 <b>SOURCE</b>	
D.8 Hazardous Waste Disposal			0.00 SOURCE	
D.9 Landfill of Residential Waste				
Garbage			627.07 <b>SOURCE</b>	
EFW Ash			0.00 SOURCE	
EFW Non-Ash Residue (Rejects)			0.00 SOURCE	
Processing Residues			55.60 SOURCE	
Bulky goods			0.00 <b>SOURCE</b>	
		Total:	682.67	
	Kgs Per Capita	Kgs Per Household	Total Tonnes	
Residential Waste Generated	298.00	<b>2</b> 607.31	1,180.62 <b>SOURCE</b>	
Residential Waste Diverted	125.69	256.15	497.95 <b>SOURCE</b>	

682.67 SOURCE Residential Waste Disposal 172.31 351.17 42% SOURCE **Current Diversion Rate** RPRA advises against publishing your GAP diversion rate until data verification has been completed and diversion rates have been published by RPRA. Section completed? | Yes | Yes | No

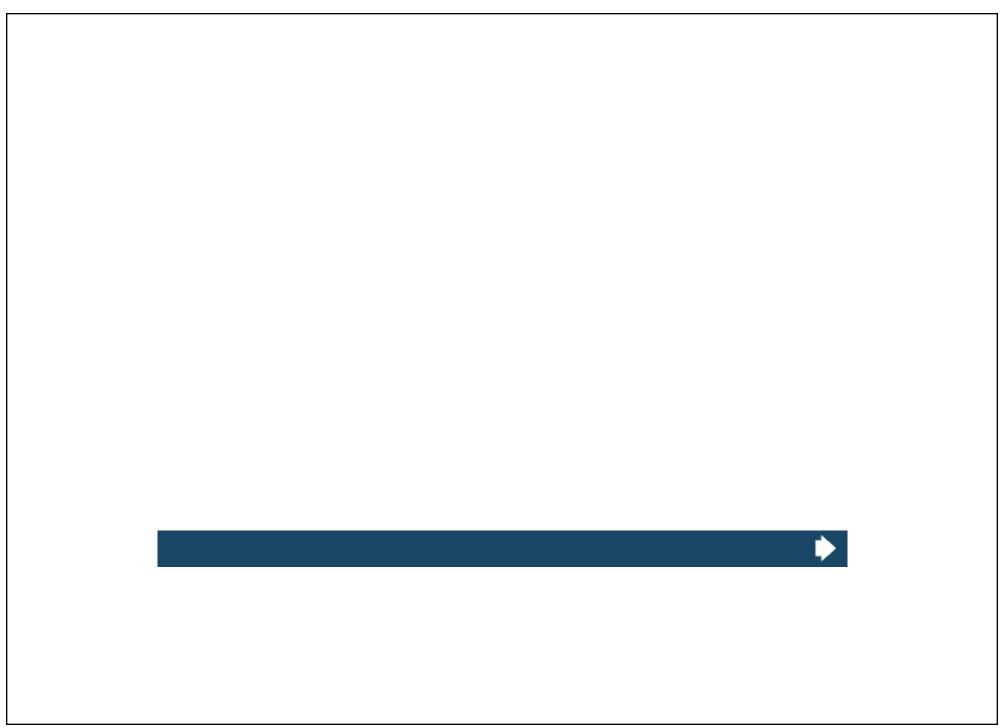


Section completed? In Yes In No



# Please provide an explanation if there is a variance of 10% or greater (5% or greater for households and population) in current year data over previous year for any of the following items:

Variance Description		<i>'</i>	-	•	Variance Explanation
'		2015			
Total Costs	▲	153,601.63	209,200.52	36	Increase in total costs related to capital investment in Municipal Blue Box Recycl Optimization Project, included construction of new Blue Box transfer station, 3x Box compactors and related equipment. See appropriate section of this report detail on reported costs in 2016.
Total Revenue	✓	4,536.17	7,704.24	70	Increased revenue generally related to increased OCC revenue from HGC Management in Belleville, Ontario, and minor revenues from Progressive Waste Mixed Fibres at Depot.
Total Collected Other Recyclables Tonnes	▲	39.01	58.86	51	Increase predominantly related to increased Scrap Metal tonnages.
Total Marketed Other Recyclables Tonnes	▲	39.01	0.00	-100	In 2015, WDO recommended to Town of Bancroft to not report Total Marketed Other Recyclables, and only report on total tonnes collected at DEPOT.
Total Collected WEEE Tonnes	<u></u>	15.47	19.08	23	Based on weigh scale tickets for WEEE collected in 2016, total WEEE tonnage increased by 3.61 tonnes.
Total Collected Garbage Tonnes		2,837.89	1,615.16	-43	Based on the first full year of utilizing new MOE-approved Waste Record Keepin Documents at the Dungannon WDS, a more complete understanding of the split between Residential and IC&I garbage was realized. Revised m3 to tonnes conversion factors were also utilized in 2016 (see relevant section of this report
Total Depot/Transfer Costs	▲	45,837.92	86,101.38	88	See explanation for Total Costs (above).



## **Section 7 - Certification Document**



For allocation of costs and revenues, proof may be required for auditing purposes. This form must be signed by the Clerk Treasurer or CFO/CAO of your municipality as proof of accuracy.

Section 7 must be signed and submitted to Resource Productivity and Recovery Authority by 4:00pm Friday May 5, 2017 by any one of the following:

- Faxing to 416-226-1368; or
- Scanning and emailing to datacall@rpra.ca; or
- Adding a digital signature and clicking the "email" button below.

Municipal / Organization Name BANCROFT, TOWN OF

Program Code 711

Municipal Contact Information	Munici	pal Co	ontact	Inform	nation
-------------------------------	--------	--------	--------	--------	--------

Name	Hazel Lambe	Phone	6133323331	Ext.	
Title	CAO/Clerk	Fax			
Department	Solid Waste Department		,		
Address	24 Flint Street, Bancroft, K0L1C0				
Email	hlambe@bancroft.ca				

I, the undersigned, certify that all information included in Sections 1 through 6 are true and accurate.

	(Signature)
Name (Please Print)	
Position Held	
Date	

**Email** 

Name

Department

Address

Title

#### Section 7 - Certification Document

For allocation of costs and revenues, proof may be required for auditing purposes. This form must be signed by the Clerk Treasurer or CFO/C of your municipality as proof of accuracy.

Section 7 must be signed and submitted to Resource Productivity and Recovery Authority by 4:00pm Friday May 5, 2017 by any one of the following

- · Faxing to 416-226-1368; or
- · Scanning and emailing to datacall@rpra.ca; or

Adding a digital signature and clicking the "email" button below.
 Municipal / Organization Name BANCROFT, TOWN OF

711

Program Code

**Municipal Contact Information** 

Hazel Lambe Phone 6133323331 Ext.

CAO/Clerk Fax

Solid Waste Department
24 Flint Street, Bancroft, K0L1C0

hlambe@bancroft.ca

I, the undersigned, certify that all information included in Sections 1 through 6 are true and accurate.

(Signature

Name (Please Print)

Hazel Lambe

Date

**Position Held** 

Email

Hazel Lambe, CAO/Clerk A Commissioner for the Town of Bancroft

## **Combined Comments**

#### GENERAL COMMENTS

"Enter any additional comments about the information entered in this section - 2.1"

The number of IC&I users at the Dungannon WDS depot is undetermined. However, based on Town records, 561 IC&I vehicles utilized the depot for disposal of waste, 635 IC&I vehicles utilized the depot for Blue Box recycling diversion, and 64 IC&I vehicles utilized the depot for bulk recyclables diversion in 2016.

All IC&I users within the Town of Bancroft were serviced by Curbside Collection of garbage and Blue Box recycling in 2016.

Curbside Collection of Blue Box recycling was collected by Progressive Waste in a single-stream system in 2016. As of January 1, 2017, the Town of Bancroft took over control of Curbside Blue Box collection services in a three stream system (Mixed Fibres, Commingled Containers, and Old Corrugated Cardboard).

As per previous years, the Town of Bancroft conducted Curbside Collection of municipal solid waste for all ratepayers in 2016.

#### **GENERAL COMMENTS**

"Enter any additional comments about the information entered in this section - 2.3"

Visual and Text-Based site signage developed for new transfer station construction and development in 2016. Costs for Visual and Text-Based signage for Blue Box recyclables (Mixed Fibres, Commingled Containers, and OCC) included above ONLY.

### **BANCROFT, TOWN OF - Contract Details**

"Enter any additional comments about the information entered in this section."

Rolloff Transfer services provided by Progressive Waste in 2016 for Mixed Fibres and Commingled Containers only. It is understood that Progressive Waste transported full roll-off containers to Peterborough MRF for processing. All OCC received at the Dungannon Transfer Station Depot was bailed using on-site bailer, and transferred to HGC MRF in Belleville, Ontario.

### BANCROFT, TOWN OF - Blue Box Tonnes - Tonnes and Material Revenue

"If % sharing does not fully describe your revenue sharing arrangement, please provide a detailed description." Progressive Waste provided revenue sharing for Mixed Fibres per dollar value indicated above in 2016 (total = \$1,710.10).

HGC provided revenue sharing for Old Corrugated Cardboard per dollar value indicated above in 2016 (total = \$9,839.49).

"Enter any additional comments about the information entered in this section."

Progressive Waste provided roll-off transport services for roll-off containers at DEPOT containing Mixed Fibres and

Commingled Containers in 2016.

HGC provided haulage services for bailed OCC from the DEPOT in 2016.

As of January 1, 2017, HGC is now the Town of Bancroft's sole MRF for all Blue Box recyclables including Mixed Fibres, Commingled Containers, and OCC.

IC&I percentages calculated based on Town of Bancroft waste operations staff records for Blue Box materials received in 2016 for Residential vs IC&I components.

## BANCROFT, TOWN OF - Blue Box Tonnes - Program Information

"Enter any additional comments about the information entered in this section."

This tab is not relevant to Town of Bancroft DEPOT operations at the Dungannon WDS.

## BANCROFT, TOWN OF - Blue Box Cost - Depot/Transfer

"Provide ... explanation of why your depot collection / transfer costs may be higher or lower ..."

In 2016, the Town of Bancroft started and completed a complete reconstruction of the Blue Box recycling depot and related operations at the Dungannon WDS, as part of a larger municipal project entitled the "Municipal Blue Box Recycling Optimization Project (MBBROP)". The scope of the project involved the capital improvements of the transfer station and purchase of a new (used) Blue Box recycling compaction truck for use in Curbside Collection operations of Mixed Fibres and Commingled Contains (2-stream). A second compaction truck was purchased by the Town for collection of garbage and old corrugated cardboard (OCC). The MBBROP was completed in December 2016, and went into effect as of January 1, 2017 when the Town took over all Blue Box recycling Curbside operations in the municipality. As of January 1, 2017, all Blue Box recycling is collected curbside by the Town, transported to the Depot at the Dungannon WDS, removed from the Curbside Collection compaction truck into Blue Box recycling compactors (1 each for Mixed Fibres, Commingled Containers, and OCC). Full compaction roll-off containers are then transported to HGC MRF in Belleville, ON for further management. Cost for capital items related to the MBBROP are included above.

#### BANCROFT, TOWN OF - Blue Box Cost - Other Revenue

"Enter any additional comments about the information entered in this section."

In 2016, the Town sold 31 blue boxes to ratepayers at the cost of \$8.85 each.

## Non Blue Box - Other Recyclables

"Enter any additional comments about the information entered in this section."

Other = Automotive Plastics.

All scrap metal and automotive plastics tonnages based on weigh scale tickets provided by service providers.

## Non Blue Box - Organics - Tonnes

"Enter any additional comments about the information entered in this section."

Organics collection is not currently part of Town of Bancroft waste and recycling services.

## Non Blue Box - Organics - Central Composting

"Enter any additional comments about the information entered in this section."

Organics collection is not currently part of Town of Bancroft waste and recycling services.

## Non Blue Box - WEEE

"Enter any additional comments about the information entered in this section."

Total WEEE Tonnes (2016) = 19.08 tonnes

Residential WEEE Tonnes (2016) = 18.13 tonnes

Non Blue Box - Garbage (2016) = 0.95 tonnes

"Enter any additional comments about the information entered in this section."

Curbside Garbage includes regular municipal solid waste (i.e. bagged waste).

Depot Garbage includes regular municipal solid waste (i.e. bagged waste), construction & demolition (C&D) waste, asphalt shingles, leaf and yard waste, and bulky waste.

Bulky waste collected in 2016 was exported by the Township by an approved service provider to landfill of Lafleche Environmental. Bulky waste tonnages were based on weigh scale tickets provided by service provider.

Tonnes of regular municipal solid waste, C&D waste, leaf and yard waste, and asphalt shingles were calculated based on volumetic survey results of the active landfilling area of the Dungannon WDS (total volume of compacted waste disposed based on survey results in 2016 was 3,641 m3. - all waste types)

Conversion Rates for volume to tonnes were as follows:

Regular Municipal Solid Waste (MSW; bagged) = 0.415 tonnes per m3 (per US EPA Volume-to-Weight Conversion Factors - April 2016; 700 lbs/cubic yard for Mixed MSW - Residential, Institutional, Commercial - Compacted)

Asphalt Shingles = 0.434 tonnes per m3 (per US EPA Volume-to-Weight Conversion Factors - April 2016; 773 lbs per cubic yard for Roofing - Other Asphalt Roofing)

Ashes (for burned Leaf and Yard Waste) = 0.59 tonnes per m3 (Per California Department of Resources Recycling and Recovery http://www.calrecycle.ca.gov/swfacilities/cdi/Tools/Calculations.htm; 1000 lbs per cubic yard for Burn Dump Debris/Ash Dry Loose)

C&D Waste = 0.475 tonnes per m3 (Per California Department of Resources Recycling and Recovery http://www.calrecycle.ca.gov/swfacilities/cdi/Tools/Calculations.htm; 800 lbs per cubic yard for compacted Construction Debris, Wood).

As 2016 was the first full year of the Town of Bancroft utilizing their new MOE-approved Waste Record Sheets, values for Residential vs IC&I splits were interpreted to be most accurate calculations to-date.

Please contact the Town of Bancroft for additional details if required.

## Progressive Waste (Curbside) - Contract Details

"Enter any additional comments about the information entered in this section."

All Curbside Collection of Blue Box recyclables completed by Progressive Waste collected from within the Town of Bancroft was collected via single stream and transported to Peterborough MRF.

## Progressive Waste (Curbside) - Blue Box Tonnes - Materials Collected

"Enter any additional comments about the information entered in this section."

Progressive Waste was contracted by the Town of Bancroft to conduct Curbside Collection of Blue Box recyclables in 2016.

As of January 1, 2017, the Town of Bancroft took control of providing Curbside Collection of Blue Box recycling within the Town of Bancroft. As of January 1, 2017, Progressive Waste is no longer contracted by the Town of Bancroft for any Blue Box-related services.

The Town of Bancroft continued in 2016 in conducting CURBSIDE garbage collection using it's own waste operations staff.

## Progressive Waste (Curbside) - Blue Box Tonnes - Tonnes and Material Revenue

"If % sharing does not fully describe your revenue sharing arrangement, please provide a detailed description."

Progressive Waste did not provide any revenue sharing for Curbside Collection.

## Progressive Waste (Curbside) - Blue Box Tonnes - Program Information

"Enter any additional comments about the information entered in this section."

The Depot (transfer station) for the Town of Bancroft is located at the Dungannon Waste Disposal Site.

# Appendix F



# 2017 Municipal Datacall Summary Report Resource Productivity & Recovery Authority

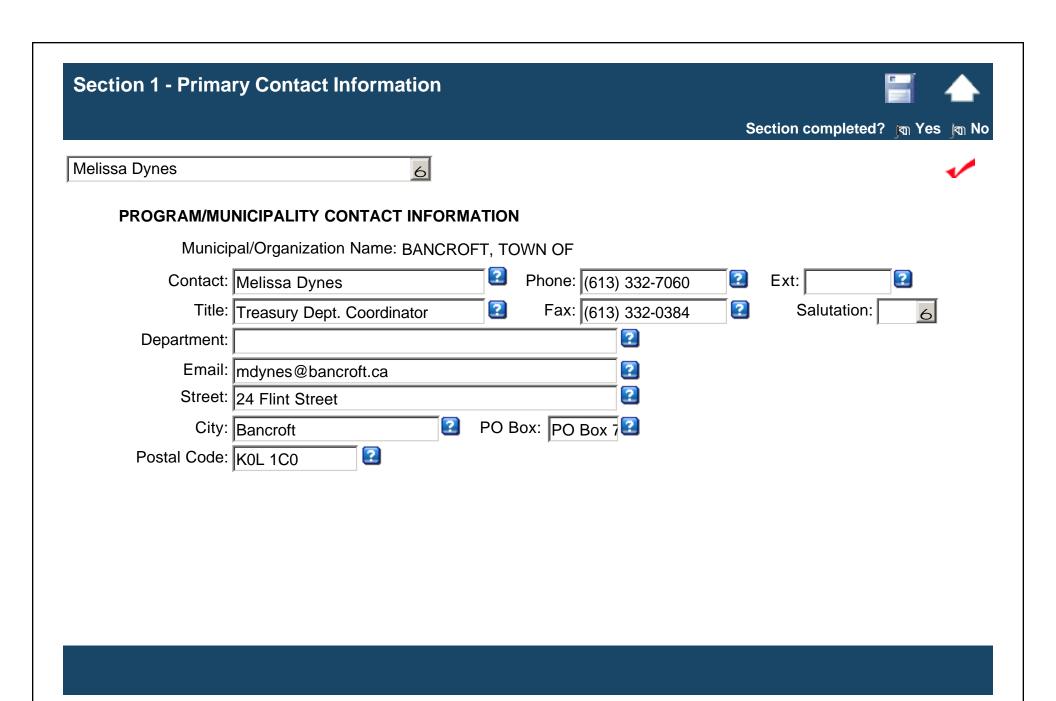
**Town of Bancroft County of Hastings, Ontario** 

April 2018

Greenview File: 108.17.002







# **Section 2.1 - Population and Households Served by Municipal Curbside/Depot Services**



Section completed? To Yes To No





## 1) Please report the total number of generators in your jurisdiction by:

	<u>Househo</u>	<u>olds</u>		<u>Populat</u>	tion tion	
	2017	2016		2017	2016	
a) Single Family	1,574	1,574		2,976	2,976	
b) Multi-Family	370	370		905	905	
c) Total	1,944	1,944	GAP?	3,881	3,881	
Source of household	data			Source of popula	ation data	
Statistics Canada			6	Statistics Canad	da	6

Note: Multi-Family household is a unit in a building that has 6 or more dwelling units. Report the total number of units.

Number of seasonal households included in single and multi-family households above

2017

2016

Source of seasonal household data

194

Statistics Canada

6

Collection Type Multi Stream 6

# 2) Number of Households Serviced By Curbside Collection Blue Box / Leaf Yard Kitchen Other Blue Bag Garbage Waste Organics (e.g. bulky goods) a) Single Family Households 1,574 1,574

b) Multi-Family Households	370	370			
c) Total Households	1,944	1,944	0	0	0
d) IC&I Stops	125	125			

?

## 3) Number of Households Serviced By Depot Collection

(where no curbside collection is provided)

	Blue Box / Blue Bag	Garbage	Leaf Yard Waste	Kitchen Organics	Other (e.g. bulky goods)
a) Single Family Households			1,574		1,574
b) Multi-Family Households			370		370
c) Total Households	0	0	1,944	0	1,944
d) IC&I Users					

Note: if the number of households with Blue Box service is NOT equal to the number with garbage service, an adjustment is made to apply additional tonnes to the missing households.

## **COMMENTS AND CLARIFICATIONS (maximum 4000 characters)**

Enter any additional comments about the information entered in this section.

The number of IC&I users at the Dungannon WDS Depot is undetermined. However, based on Town records, 484 IC&I vehicles utilized the depot of the disposal or waste, 372 IC&I vehicles utilized the depot for Blue Box recycling, and 100 IC&I vehicles utilized the site for bulk recyclables diversion in 2017.

All IC&I users with the Town of Bancroft were serviced by Curbside Collection of garbage and Blue Box



## Section 2.2 - Set Out Limit/Pay As You Throw



Section completed? In Yes In No





## 1) Set Out Limit

Does your municipality have a	a set out limit f	for garbage?		ΥE	ES jm NO jm	
If yes, what is the limit?	0	bag/can	1	Per		
		If other, ple	ase describe:			

Add	Delete
-----	--------

Do you have Maximum number of Please list information for members/lower tier program program? bags/containers/units **Started** No 0

## 2) User Pay Waste Collection/Pay as You Throw



Do your municipality, lower tier or member municipalities have a user pay program for curbside or depot waste collection?

YES in NO

A user pay program does not include utility taxes.

Full User Pay: Б Partial User Pay: Indicate number of free units/bags/tags/etc.

Per Year 52

Tags

If other, please describe: Bag Tags for IC&I sector only.

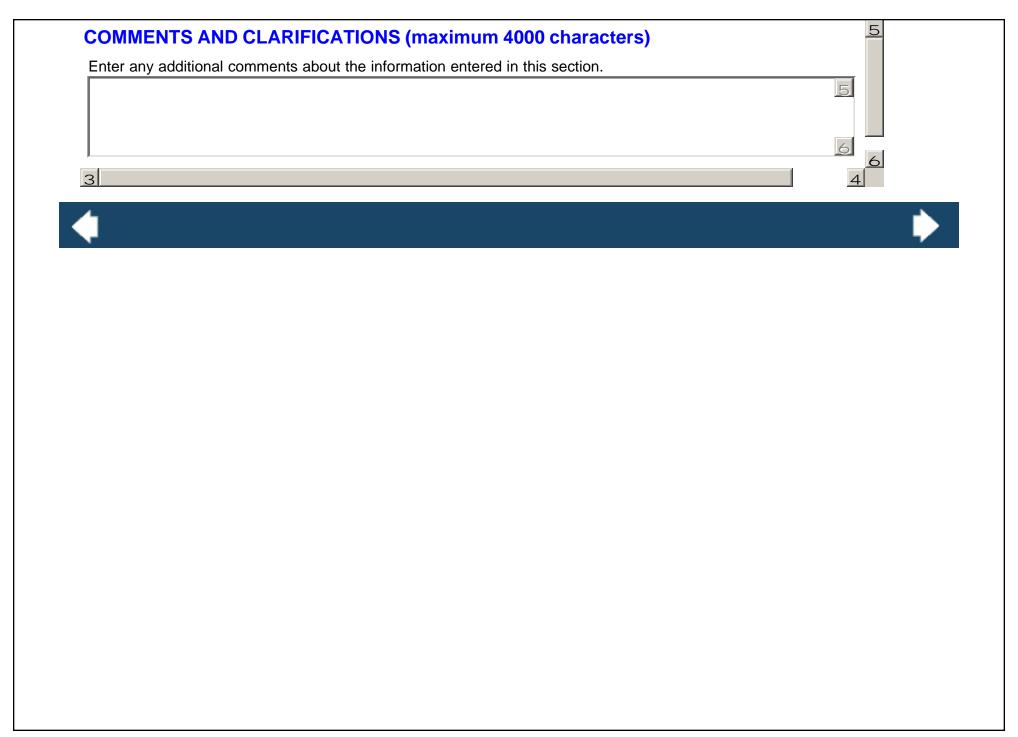
Do you use tags/bags/standard container/other (describe) What is the price per tag/bag/container

\$0.00

Do you have more than one fee structure for bags/tags?

YES in NO in

If yes, please describe: IC&I Curbside = \$1.50, IC&I Depot = \$0.90, per tag





1

Users now have the option to either use the new excel spreadsheet template to upload Promotion & Education Cost Allocations, or continue to use the table provided below.

## Export to Excel

	Please upload the xls file to be imported				
			No	uploaded files	
	Ê	Remove	No i	nvalid files	
	Add Delete				
	Submit				
	1) INDICATE THE COST DETAILS FO	R ALL BLUE BOX RELA	TED P&E MATERIAI	LS UTILIZED	N 2017:
		Total Cost Indicate			Each Category Includes
ı		2017 % Allocated		llocated to	
		_	Blue Box 2017 Blue	ue Box 2016	
	_	<u> </u>			
ı	Promotion & Education Staff Costs	0.00 0.00%	0.00	0.00	Only report costs for staff or administration that are only directly related to Promotion & Education purposes.

	Materials	903.45	75.00%	677.59	0.00	Articles/Columns; Brochures/Pamphlets; Calendars; CNA/OCNA creative; Displays; Door Hangers; Magnets/Stickers
	Print Advertising	171.57	50.00%	85.79	0.00	Media Kits; Media Releases/Events; Newsletters; Outdoor Signage; Paid Print Ads; PSA Print
	Radio/TV	0.00	0.00%	0.00	0.00	Paid Radio; Paid TV; PSA Radio; PSA TV
	Internet	0.00	0.00%	0.00	0.00	System Website/Hotline
	Miscellaneous	0.00	0.00%	0.00	0.00	Promotional Items; Reminder Cards/Notices; School Tours/Presentations; Speaking Engagements; Telephone Information
Other		0.00	0.00%	0.00	235.05	Describe in comment box
Other	Transfer Station Cards	201.54	50.00%	100.77	0.00	Describe in comment box
Other	Mailing - Curbside Chang	849.84	50.00%	424.92	0.00	Describe in comment box
Other	Curbside - BB Refusal Ta	79.78	100.00%	79.78	0.00	Describe in comment box
	Totals:	0.000.40		4 000 04	025.05	_
	Totals.	2,206.18		1,368.84	235.05	

Do NOT report InKind advertising lineage.

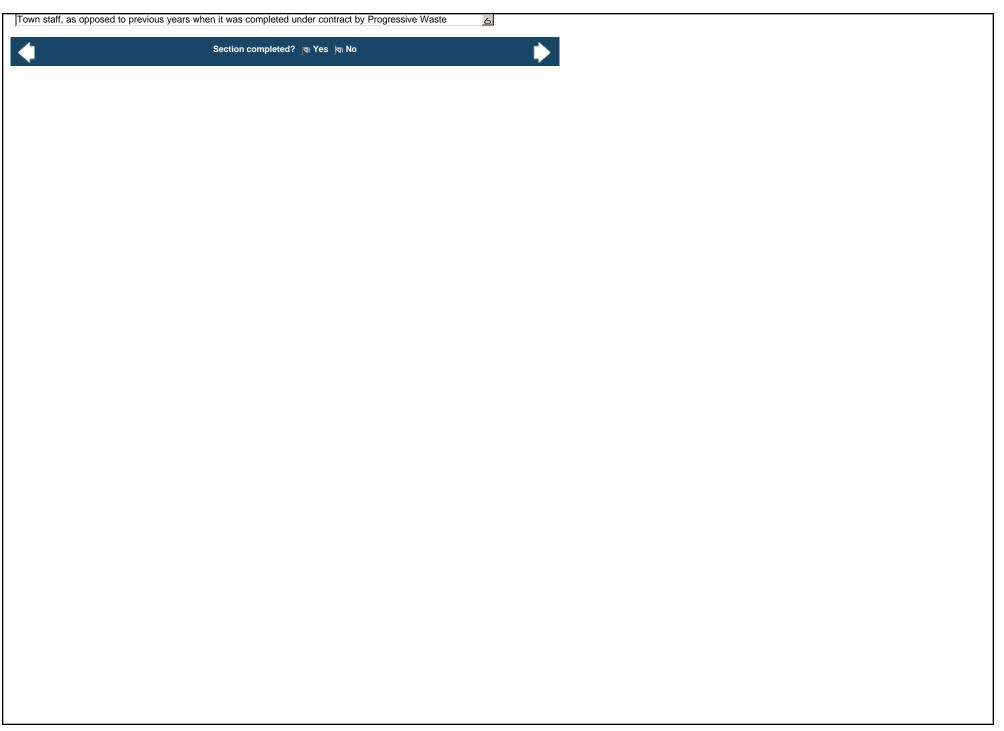


% ALLOCATED TO BLUE BOX: for major categories with items having different % Blue Box allocations, this optional template determines the % allocation, or users can enter items in the OTHER fields as separate items with different % allocation

#### **COMMENTS AND CLARIFICATIONS (maximum 4000 characters)**

Enter any additional comments about the information entered in this section.

P&E materials prepared and distributed to the public in 2017 focused on the changes to the Blue Box recycling program that commenced on Jan01-17, with a particular focus on Curbside Collection activities. As of Jan01-17, the Town of Bancroft commenced with the completion of Curbside Collection operations with





BANCROFT, TOWN OF

RPRA Program: 711

Municipal Grouping: 7

### **MODULE 1 - PLANNING AND MONITORING**

## Objective #1 - Program Performance Projections and Analysis (16.63% of Best Practice Score towards Blue Box Funding)

Please complete the following chart, where possible, and provide any comments on 2017 performance and projected performance for 2018. Complete Section 3 first, then click on "Click to Use Section 3 Values".

Click to Use Section 3 Values

	2015	2016	2017 Projected	2017 Actual from Section 3	2018 Projection	
Gross Collection (\$)	102,399.82	109,761.08	80,000.00	92,156.26	87,000.00	
Gross Depot/Tx (\$)	45,837.92	86,101.38	85,000.00	95,343.12	94,000.00	
Gross Processing (\$)	0.00	0.00	0.00	808.78	8,000.00	
Revenue (\$)	4,536.17	7,704.24	25,000.00	25,071.68	18,000.00	
Marketed Tonnes	349.00	367.00	550.00	383.03	380.00	
Net Cost	149,065.46	201,496.28	150,000.00	179,795.10	160,000.00	
Households	1,899.00	1,944.00	1,944.00	1,944.00	1,944.00	
Net Cost/Tonne	427.12	549.04	272.73	469.40	421.05	
Net Cost/HH	78.50	103.65	77.16	92.49	82.30	
kg/HH Recovered	183.78	188.79	282.92	197.03	195.47	
Analysis of 2017 Performance (REQUIRED)	Municipal Blue Box Recycling Optimization Project (MBBROP) was initiated in 2017. Repairs to the new (used) curbside collection vehicles were higher than anticipated, resulting in higher than expected Gross Collection costs. Some Gross Depot costs higher than expected in first year of program. 2017 projections were ambitious; however, actual Net Cost/Tonne in 2017 were \$100/tonne less than 2016					
Rationale for 2018 Projection (REQUIRED)	Gross Collection Cos the curbside collection year-over-year. Tippi	ts are anticipated to r in vehicles. Gross De ng Fees (Gross Proce price per tonne of Mix	educe in 2018, assume pot costs are anticipal essing costs) are anti	ning fewer repairs will ated to remain genera cipated to increase dr	be required to 5 ally consistent ramatically in	

<sup>&</sup>lt;sup>1</sup> Explanation for Analysis and Rationale is required to complete this section. If not applicable, enter "N/A".

## Objective #2 - Blue Box Efficiency Assessments (8.23% of Best Practice Score towards Blue Box Funding)

Formal Blue Box efficiency assessments are a good way to measure the overall success of a Blue Box program. Does your municipality

<sup>&</sup>lt;sup>2</sup> It is recognized that not all programs report revenues. Please provide this information if available.

<sup>&</sup>lt;sup>3</sup> Includes calculated administration costs and interest on capital.

perform Blue Box efficiency assessments on a regular basis? Please complete the following chart and summarize the most recent Blue Box assessment completed, indicating any actions that were taken:

Type of assessment	Year last completed	Completed by internal staff	Completed by a third party			
Blue Box Collection	2017 6	jn Yes jn No jn n.a.	jn Yes jn No jn n.a.			
Blue Box Depot	2017 6	jn Yes jn No jn n.a.	jn Yes jn No jn n.a.			
Blue Box Transfer Station	6	ja Yes ja No ja n.a.	ja Yes ja No ja n.a.			
Blue Box Processing	2017 6	ja Yes ja No ja n.a.	ja Yes ja No ja n.a.			
Summary of Most Recent Blue Box Assessment (REQUIRED)	In 2016, the Town completed a Municipal Blue Box Recycling Optimization Project (MBBROP) 5 for municipal blue box recycling services. The project reviewed Blue Box quantities and costs for the contracting of CURBSIDE Blue Box recycling services and DEPOT rolloff container haulage by Progressive Waste versus what the costs were estimated to be if the Town took control of completing their own CURBSIDE collection of Blue Box recyclables, upgraded the					
Action Taken to Implement Blue Box Assessment Recommendations (REQUIRED)	dpnetratsbendwrgsnownplacksv(thx)3anstationpackomparatersonbatainsd(ex5-year contract for construction of new transfer station - new MRF processing contract (5-year) with revenue sharing - new rolloff haulage contract -2017 was first year of new program					

<sup>&</sup>lt;sup>1</sup> Explanation for Blue Box Assessments and Recommendations is required to complete this section. If not applicable, enter "N/A".

## Objective #3 - Blue Box System Optimization Initiatives (8.23% of Best Practice Score towards Blue Box Funding)

Has staff from your Region/Municipality attended AMO/CIF Consultation Sessions? If so, please describe. (REQUIRED) Explanation for each box is required to complete this section. If not applicable, enter N/A.

The Town of Bancroft has participated in a multi-municipal program to establish a regional, centralized blue box depot facility by all	5
users in the group. A total of 8 municipalities participated in this multi-municipal feasibility program with the aid of CIF.	

Have you participated in or initiated forums to discuss options for regional optimization? If so, please describe. (REQUIRED) Explanation for each box is required to complete this section. If not applicable, enter N/A.

1 1 /
Yes, as per the multi-municipal program feasibility study for the centralized blue box depot facility with CIF.

Have you presented a report to your Council on system optimization options? If so, please describe. (REQUIRED) Explanation for each box is required to complete this section. If not applicable, enter N/A.

Yes, the project feasibility study went through the process from the start of the process to the point of presentation to councils within the multi-municipal group. Presentations were made to the councils involved for council to vote to the positive or to the negative to

move forward with the group's feasibility study.

Have you implemented any projects based on your regional optimization plan? If so, please describe. (REQUIRED) Explanation for each box is required to complete this section. If not applicable, enter N/A.

No, the multi-municipal centralized blue box depot facility did not go further than council vote and was defeated.

Following the defeat of the multi-municipal group project, the Town of Bancroft decided to complete their own version of the project for the Town of Bancroft only, called the Municipal Blue Box Recycling Optimization Project (MBBROP). The 2017 operational year reported in this Datacall submission was the first year of the new, optimized Blue Box recycling system, inclusive of the new depot infrastructure (3x stationary compactors for MF, CC, and OCC) and the Town taking over responsibility of conducting Curbside

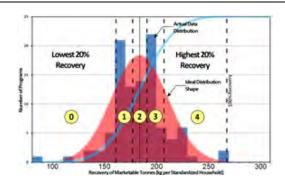
#### **MODULE 2 - MANAGEMENT BY RESULTS**

Objective #4 - Program Performance Outcomes (33.3% of Best Practice Score towards Blue Box Funding)

1. Marketable material recovery rate comparison to peers (16.7% of Objective 4)

A program should optimize its operations so that it can recover as much material per person as possible. A comparison will be done of all programs for recovery per person and points will be awarded as follows: Objective #4 is for example only and is Calculated After Completion of Datacall

5



2017 Marketable Tonnes Recovered: 201.1 kg/person

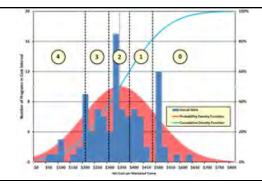
2017 Recovery Rate Score: 3

#### Scoring

- 0. sub-par lowest 20% of recovery,
- 1. somewhat sub-par better than 20% of programs,
- 2. OK middle 20% of programs,
- 3. good better than 60% of other programs,
- 4. excellent highest 20% of recovery.

## 2. Financial comparison to peers (16.7% of Objective 4)

A program should optimize its operations so that it is achieving a reasonable cost per tonne when compared to other programs in its municipal grouping. A comparison will be done of like programs within a program group and points will be awarded as follows:



2017 Net Cost per Marketable Tonne: \$223.48

2017 Net Cost per Tonne Score: 3

## **Scoring**

- 0. sub-par highest 20% of net costs per tonne,
- 1. somewhat sub-par better than 20% of programs,
- 2. OK middle 20% of programs,
- 3. good better than 60% of other programs,
- 4. excellent lowest 20% of net costs per tonne.

# Objective #5 - Training of key program staff in core competencies (11.23% of Best Practice Score towards Blue Box Funding)

The table below lists Blue Box related courses and workshops offered in the past year. Enter the number of staff that attended each course or workshop in 2017.

Add any additional training courses or workshops completed in 2017 that is not listed for consideration. The course content must have had a Blue Box component.

Continuing Education Units (CEU) will be determined annually by MIPC before the start of the Datacall process.

Total CEU = number of staff taking course x CEU assigned to course.

Course or Workshop	Number of Staff	CEU Assigned	Total CEU
CIF Ontario Recycler Workshop (ORW)	0	1.00	0.00
CIF Training Courses			
In Person Courses:			
Contract Management Training (1 day)	0	1.00	0.00
Strategic Request For Proposals for Recycling (1 day)	0	1.00	0.00
MRF Operation Preventative Maintenance (1 day)	0	1.00	0.00
Promotion Edu - Steps to More Effective P&E	0	1.00	0.00
Campaigns (1 day)		,	
Online Courses:			
Fundamental Principles in Recycling Planning (4 days)	0	4.00	0.00
Training Course Support	0	0.25	0.00
CIF Depot Operations Roundtable Meeting	0	0.33	0.00
CIF Multi-Residential Meeting	0	0.33	0.00
CIF Collections Meeting	0	0.33	0.00
CIF Materials Recovery Facility Meeting	0	0.33	0.00
CIF/AMO Blue Box Outreach Sessions	0	1.00	0.00
MWA Spring Workshop	0	0.50	0.00

MWA Fall Workshop	0	0.50	0.00
MIPC Subcommittee Meeting	0	0.33	0.00
RPRA Datacall In-Person Training Session	0	1.00	0.00
RPRA Datacall Short Form Consultation Sessions			
(In-person/Webinar)	0	0.50	0.00
Other (please provide a course/workshop summary, and the time allocated to the Blue Box program):			
	0	0.00	0.00
Other (please provide a course/workshop summary, and the time allocated to the Blue Box program):			
	0	0.00	0.00

Your 2017 CEU requirement was 2. You reported 0 CEU, resulting in a score of 0%. (Maximum score is 100%)

# Objective #6 - Blue Box Promotion and Education achievements and initiatives (11.23% of Best Practice Score towards Blue Box Funding)

Please complete the following table with Blue Box highlights on Blue Box P&E activities achieved in current year, as well as any P&E initiatives planned for next year. Explanation for each box is required to complete this section. If not applicable, enter N/A.

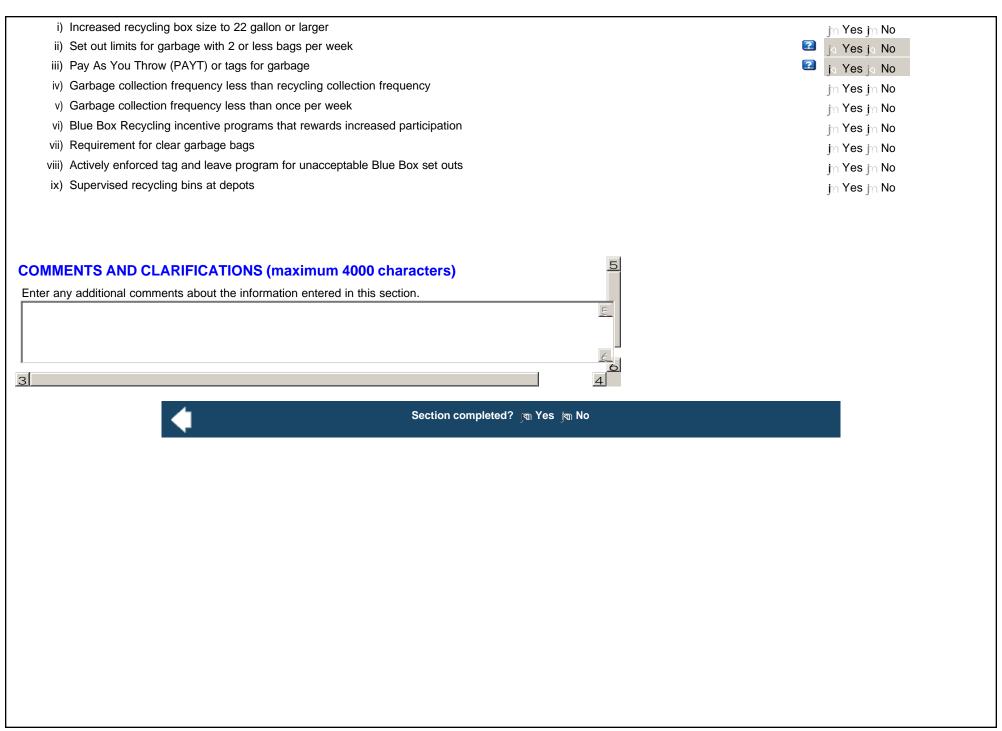
Name and Date of P&E Planning Document for reporting year (2017) (REQUIRED)	N/A	5
i milialives for reporting	Majority of P&E efforts in 2017 by the Town were related to transferring information to ratepayers about the changes to the Blue Box Recycling system, including new sorting requirements at Curbside and Depot. Ratepayers of the Town were interpreted to have adjusted well to the new Blue Box system put in place as part of the Municipal Blue Box Recycling Optimization Project (MBBRP), based on the minor quantities of residual noted in the monthly summaries from the	5
Key P&E Initiatives Planned for 2018 (REQUIRED)	P&E initiatives in 2018 for the Town of Bancroft are not currently defined as of the time of submission of this 2017 Datacall. MHSW events are planned by the Town of Bancroft (formerly conducted in a group of municipalities), and P&E efforts related to this change are anticipated for 2018.	5

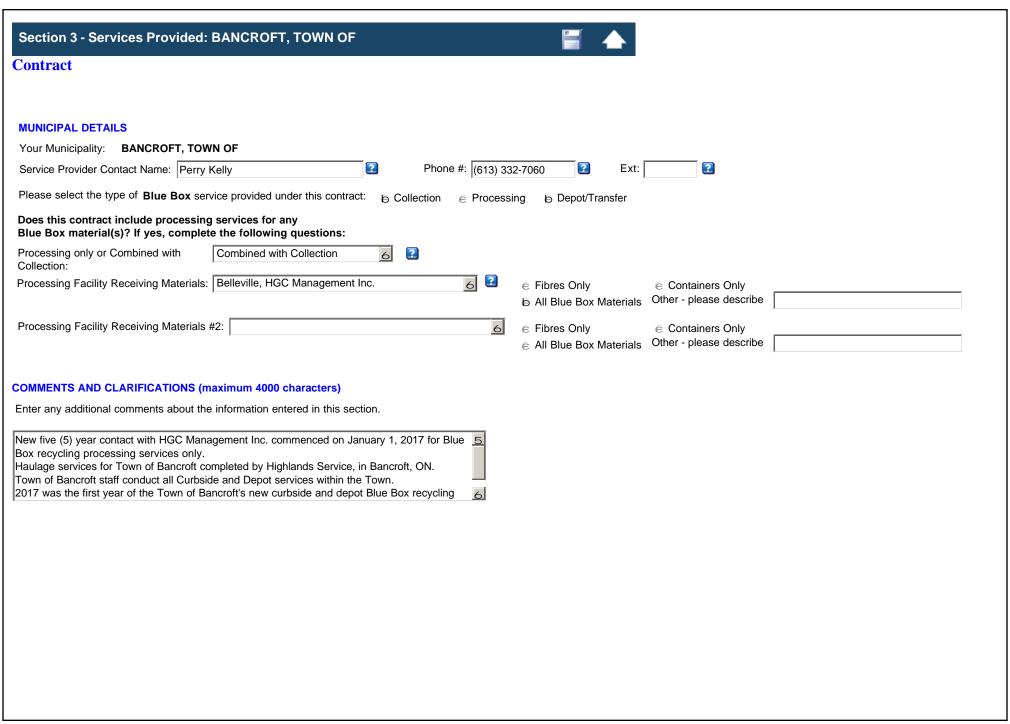
## Objective #7 - Development of effective policies that promote waste diversion (11.23% of Best Practice Score towards Blue Box Funding)

a) Does your program provide Blue Boxes (or the equivalent) or replacement Blue Boxes (or the equivalent) free of charge, or below cost?

jn Yes jn No

b) Does your program employ any of the following policies or practices?





## Section 3 - Services Provided: BANCROFT, TOWN OF





## **Blue Box Tonnes - Materials Collected**

Do all of the households in your program receive the same level of service? j∩ Yes jn No

## **Households Serviced under this Contract**

Municipal Service Area	Single Fan	nily	Multi Family	Total
Town of Bancroft (Curbside & Depot)	1,	574	370	1,944
Total Households	1,	574	370	1,944
Multi Family households serviced by curbside	100%			
Multi Family households serviced by depot	0%			
Unserviced Multi Family households	0%			

#### NUMBER OF COLLECTIONS PER YEAR FOR CURBSIDE PROGRAMS

Only programs/municipalities that have a CURBSIDE COLLECTION PROGRAM need to complete this section.

Example: For weekly collection, insert 52
For bi-weekly collection, insert 26

**Fibres** 

Total Number of Collections per year [2]

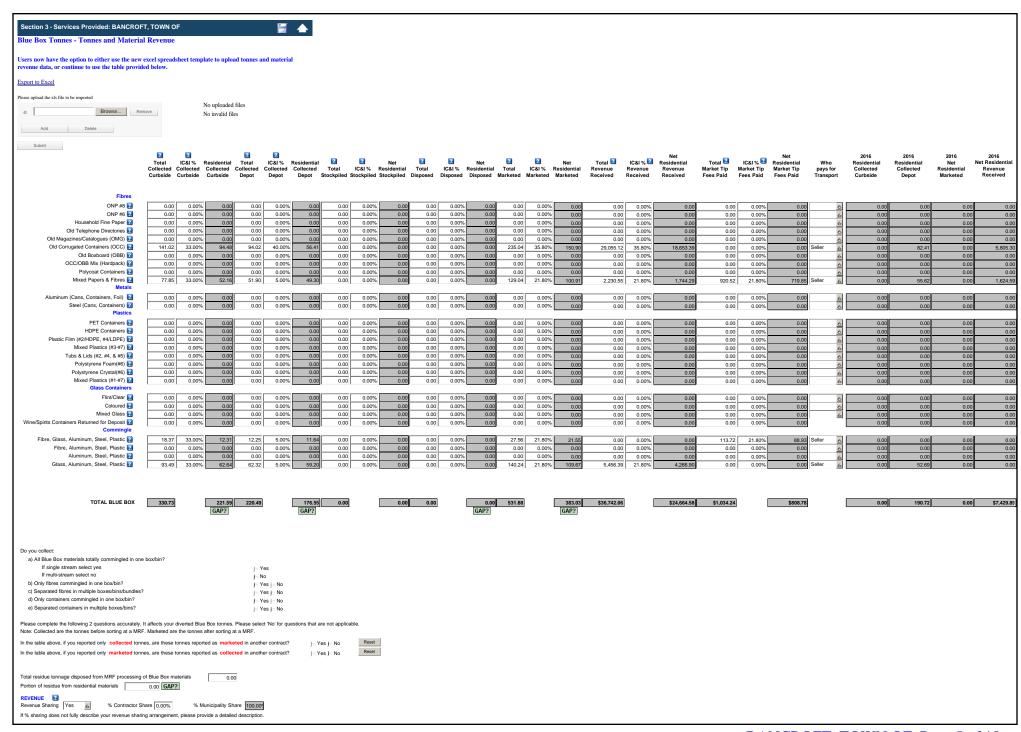
	Blue Box/ Bag	Garbage	Leaf and Yard Waste	Kitchen Organics	Bulky Waste
a) Single Family Dwelling	52	52			
b) Multi Family Dwellings	52	52			
c) IC&I	52	104			

# PLEASE INDICATE WHICH MATERIALS ARE ELIGIBLE FOR COLLECTION AT RESIDENTIAL CURBSIDE, IC&I CURBSIDE, AND/OR DEPOT

Municipal Service Area:

Residential Curbside Depot Curbside Depot Curbside Depot





Mixed Fibres Revenue Sharing = (total weight) x ((CSR mixed paper-ONP#6 monthly ave	verage) -
Mixed Fibres Revenue Sharing = (total weight) x ((CSR mixed paper-ONP#6 monthly ave \$70)  Commingled Containers Revenue Sharing = (total weight) x ((CSR container composite	index
Stockpiled tonnes reported in 2016 Datacall 0.00	
If you know the end markets for any of your marketed material, please list them	n helow
in you know the end markets for any or your marketed material, please list them	ii below.
COMMENTS AND CLADISICATIONS (maximum 4000 sharesters)	
COMMENTS AND CLARIFICATIONS (maximum 4000 characters)	
Enter any additional comments about the information entered in this section.	
Increase in Blue Box recycling revenues in 2017 related to new 5-year contract with HGC	C 5
Increase in Blue Box recycling revenues in 2017 related to new 5-year contract with HGC Management Inc for processing of Blue Box recyclables. Revenue sharing model is described above.	
Revenue sharing moder is described above.	
	ě

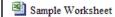
Blue Box Tonnes - Program Information  ADDITIONAL RECYCLING PROGRAM INFORMATION  a) Single Family Dwellings Set Out Containers:  Blue Box B Front End Bin or 2 to 8 Yard Bins ESeparate Fibre Box Carts Single Use Bags Reusable Bags Carts Carts Cother, Specify  c) Do you provide recycling containers for individual apartment units?  d) What size Blue Boxes (or carts) is your municipality currently providing to its residents?  e) Number of depots located at:  OMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Enter any additional comments about the information entered in this section.  The Depot (transfer station) for the Town of Bancroft is located at the Dungannon Waste Disposal Site.	ADDITIONAL RECYCLING PROGRAM INFORMATION  a) Single Family Dwellings Set Out Containers:  Blue Box b Front End Bin or 2 to 8 Yard Bins E  Separate Fibre Box Carts Size of Cart Signal Siz	Section 3 - Services Provided: BANCROF	T, TOWN OF	
a) Single Family Dwellings Set Out Containers:  Blue Box Bue Box Separate Fibre Box Single Use Bags Reusable Bags Carts Other, Specify  c) Do you provide recycling containers for individual apartment units?  d) What size Blue Boxes (or carts) is your municipality currently providing to its residents?  e) Number of depots located at:  OMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Enter any additional comments about the information entered in this section.	a) Single Family Dwellings Set Out Containers:  Blue Box Blue Box Separate Fibre Box Single Use Bags Reusable Bags Carts Other Other, Specify  c) Do you provide recycling containers for individual apartment units?  d) What size Blue Boxes (or carts) is your municipality currently providing to its residents?  e) Number of depots located at:  OMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Enter any additional comments about the information entered in this section.	Blue Box Tonnes - Program Information	n	
Blue Box b Separate Fibre Box c Carts b Size of Cart b Size of Car	Blue Box b Front End Bin or 2 to 8 Yard Bins c Carts b Size of Cart 95 gallon  Single Use Bags b Rolloff Bin or 20 to 40 Yard Bins E Blue Box  Carts C	ADDITIONAL RECYCLING PROGRAM IN	FORMATION	
Separate Fibre Box Single Use Bags Reusable Bags Reusable Bags Other Other, Specify  c) Do you provide recycling containers for individual apartment units?  d) What size Blue Boxes (or carts) is your municipality currently providing to its residents?  e) Number of depots located at:  0 MRF 1 Landfill Site(s) 0 In the Community  COMMENTS AND CLARIFICATIONS (maximum 4000 characters) Enter any additional comments about the information entered in this section.	Separate Fibre Box Single Use Bags Reusable Bags Carts Other, Specify  c) Do you provide recycling containers for individual apartment units?  d) What size Blue Boxes (or carts) is your municipality currently providing to its residents?  e) Number of depots located at:  0 MRF 1 Landfill Site(s) 0 In the Community  COMMENTS AND CLARIFICATIONS (maximum 4000 characters) Enter any additional comments about the information entered in this section.	a) Single Family Dwellings Set Out Containers:	b) Multi-Residential Dwellings Set Out Conta	iners:
Single Use Bags B Rolloff Bin or 20 to 40 Yard Bins Charles Blue Bags Carts Carts Cother, Specify C) Do you provide recycling containers for individual apartment units? No Compared to the size Blue Boxes (or carts) is your municipality currently providing to its residents?  e) Number of depots located at: 0 MRF 1 Landfill Site(s) 0 In the Community  COMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Enter any additional comments about the information entered in this section.  The Depot (transfer station) for the Town of Bancroft is located at the Dungannon Waste Disposal Site.	Single Use Bags B Rolloff Bin or 20 to 40 Yard Bins Charles Blue Bags Carts Carts Cher, Specify  c) Do you provide recycling containers for individual apartment units?  d) What size Blue Boxes (or carts) is your municipality currently providing to its residents?  e) Number of depots located at:  0 MRF  1 Landfill Site(s)  0 In the Community  COMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Enter any additional comments about the information entered in this section.	Blue Box 👂	Front End Bin or 2 to 8 Yard Bins $\in$	
Reusable Bags Carts Other, Specify  c) Do you provide recycling containers for individual apartment units?  d) What size Blue Boxes (or carts) is your municipality currently providing to its residents?  e) Number of depots located at:  0 MRF 1 Landfill Site(s) 0 In the Community  COMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Enter any additional comments about the information entered in this section.  The Depot (transfer station) for the Town of Bancroft is located at the Dungannon Waste Disposal Site.	Reusable Bags Carts Other, Specify  c) Do you provide recycling containers for individual apartment units?  d) What size Blue Boxes (or carts) is your municipality currently providing to its residents?  e) Number of depots located at:  0 MRF 1 Landfill Site(s) 0 In the Community  COMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Enter any additional comments about the information entered in this section.  The Depot (transfer station) for the Town of Bancroft is located at the Dungannon Waste Disposal Site.	Separate Fibre Box ∈	Carts 🖯 Siz	e of Cart 95 gallon
Other, Specify  c) Do you provide recycling containers for individual apartment units?  d) What size Blue Boxes (or carts) is your municipality currently providing to its residents?  e) Number of depots located at:  0 MRF  1 Landfill Site(s)  0 In the Community  COMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Enter any additional comments about the information entered in this section.  The Depot (transfer station) for the Town of Bancroft is located at the Dungannon Waste Disposal Site.	Other, Specify  c) Do you provide recycling containers for individual apartment units?  d) What size Blue Boxes (or carts) is your municipality currently providing to its residents?  e) Number of depots located at:  0 MRF  1 Landfill Site(s)  0 In the Community  COMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Enter any additional comments about the information entered in this section.  The Depot (transfer station) for the Town of Bancroft is located at the Dungannon Waste Disposal Site.	Single Use Bags	Rolloff Bin or 20 to 40 Yard Bins e	
Other, Specify  c) Do you provide recycling containers for individual apartment units?  d) What size Blue Boxes (or carts) is your municipality currently providing to its residents?  e) Number of depots located at:  0 MRF  1 Landfill Site(s)  0 In the Community  COMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Enter any additional comments about the information entered in this section.  The Depot (transfer station) for the Town of Bancroft is located at the Dungannon Waste Disposal Site.	Other, Specify  c) Do you provide recycling containers for individual apartment units?  d) What size Blue Boxes (or carts) is your municipality currently providing to its residents?  e) Number of depots located at:  0 MRF  1 Landfill Site(s)  0 In the Community  COMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Enter any additional comments about the information entered in this section.  The Depot (transfer station) for the Town of Bancroft is located at the Dungannon Waste Disposal Site.	Reusable Bags     €	Other Blue Box	
c) Do you provide recycling containers for individual apartment units?  d) What size Blue Boxes (or carts) is your municipality currently providing to its residents?  e) Number of depots located at:  0 MRF  1 Landfill Site(s)  0 In the Community  COMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Enter any additional comments about the information entered in this section.  The Depot (transfer station) for the Town of Bancroft is located at the Dungannon Waste Disposal Site.	c) Do you provide recycling containers for individual apartment units?  d) What size Blue Boxes (or carts) is your municipality currently providing to its residents?  e) Number of depots located at:  0 MRF  1 Landfill Site(s)  0 In the Community  COMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Enter any additional comments about the information entered in this section.  The Depot (transfer station) for the Town of Bancroft is located at the Dungannon Waste Disposal Site.	Carts <u></u>		
d) What size Blue Boxes (or carts) is your municipality currently providing to its residents?  e) Number of depots located at:  0 MRF  1 Landfill Site(s)  0 In the Community  COMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Enter any additional comments about the information entered in this section.  The Depot (transfer station) for the Town of Bancroft is located at the Dungannon Waste Disposal Site.	d) What size Blue Boxes (or carts) is your municipality currently providing to its residents?  e) Number of depots located at:  0 MRF  1 Landfill Site(s)  0 In the Community  COMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Enter any additional comments about the information entered in this section.  The Depot (transfer station) for the Town of Bancroft is located at the Dungannon Waste Disposal Site.	Other, Specify		
e) Number of depots located at: 0 MRF 1 Landfill Site(s) 0 In the Community  COMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Enter any additional comments about the information entered in this section.  The Depot (transfer station) for the Town of Bancroft is located at the Dungannon Waste Disposal Site.	e) Number of depots located at: 0 MRF 1 Landfill Site(s) 0 In the Community  COMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Enter any additional comments about the information entered in this section.  The Depot (transfer station) for the Town of Bancroft is located at the Dungannon Waste Disposal Site.	c) Do you provide recycling containers for indiv	dual apartment units? No 6	
COMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Enter any additional comments about the information entered in this section.  The Depot (transfer station) for the Town of Bancroft is located at the Dungannon Waste Disposal Site.	COMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Enter any additional comments about the information entered in this section.  The Depot (transfer station) for the Town of Bancroft is located at the Dungannon Waste Disposal Site.	d) What size Blue Boxes (or carts) is your munic	pality currently providing to its residents?	
Enter any additional comments about the information entered in this section.  The Depot (transfer station) for the Town of Bancroft is located at the Dungannon Waste Disposal Site.	Enter any additional comments about the information entered in this section.  The Depot (transfer station) for the Town of Bancroft is located at the Dungannon Waste Disposal Site.	e) Number of depots located at: 0 MRI	1 Landfill Site(s) 0 In the	Community
6	6	Enter any additional comments about the information of The Depot (transfer station) for the Town of Bancroft is	entered in this section.	
			6	
			6	

# Section 3 - Services Provided: BANCROFT, TOWN OF





### **Blue Box Cost - Collection**



### **BLUE BOX COLLECTION CAPITAL DEPRECIATION**

### NOTE: FORMULA FOR CALCULATING NET RESIDENTIAL BLUE BOX COST HAS BEEN CHANGED TO

Net Residential Blue Box Cost = Total Cost - (Total Cost \* ICI%) - ((Total Cost - (Total Cost \* ICI%)) \* Non BB%)

Example: Total Cost = \$100, ICI% = 10%, Non BB% = 20%,

Net Residential Blue Box Cost =  $100 - (100 \cdot 0.1) - ((100 - 10) \cdot 0.2)$ 

= \$100 - \$10 - \$18

= \$72

1	Owned and O	Operated Recycling Vehic	cles (7 Year Amortization)	?	?	?	Original Cost of 4	?	Non	
	Eligible Years		Number	Total Cost of	Year	Number	Decommissioned	IC&I %	Blue Box %	Net Residential
	of Purchase	Capital Item	Purchased	Purchases	Decommissioned	Decommissioned	Capital	of Total	of Residential	Blue Box Cost
	2011	Recycling Truck	0	\$0.00	0	0	\$0.00	0.00%	0.00%	\$0.00
	2012	Recycling Truck	0	\$0.00	0	0	\$0.00	0.00%	0.00%	\$0.00
	2013	Recycling Truck	0	\$0.00	0	0	\$0.00	0.00%	0.00%	\$0.00
	2014	Recycling Truck	0	\$0.00	0	0	\$0.00	0.00%	0.00%	\$0.00
	2015	Recycling Truck	0	\$0.00	0	0	\$0.00	0.00%	0.00%	\$0.00
	2016	Recycling Truck	0	\$0.00	0	0	\$0.00	0.00%	0.00%	\$0.00
	2017	Recycling Truck	0	\$0.00	0	0	\$0.00	0.00%	0.00%	\$0.00
			Total	¢0.00		0	\$0.00			00.00

7

### 2 Purchase of Blue Boxes (3 Year Amortization)

			?
Eligible Years		Number	Total Cost of
of Purchase	Capital Item	Purchased	Purchases
2015	Blue Box	0	\$0.00
2016	Blue Box	0	\$0.00
2017	Blue Box	0	\$0.00
		Total 0	\$0.00

	?			?	
	Year			Number	
Dec	ommissio	ned	Dec	ommission	ec
	0			0	
ļ	0			0	
	0			0	
				0	

	_			
	Original Cost of	2	Non	
	Decommissioned	IC&I %		Net Residential
ed	Capital	of Total	of Residential	Blue Box Cost
	\$0.00	0.00%	0.00%	\$0.00
	\$0.00	0.00%	0.00%	\$0.00
	\$0.00	0.00%	0.00%	\$0.00
	\$0.00			\$0.00

7

### 3 Purchase of Curbside or Multi-Residential Carts (10 Year Amortization)

			_	
Eligible Years of Purchase	Capital Item	Number Purchased	Total Cost of Purchases	Warran Period
2008	Curbside Cart	0	\$0.00	
2009	Curbside Cart	0	\$0.00	
2010	Curbside Cart	0	\$0.00	
2011	Curbside Cart	0	\$0.00	

	?			?	
	Year			Number	
Dec	ommissio	ned	Dec	ommissio	ned
	0			0	
	0			0	
	0			0	
	0			0	
	Dec	Year	_	Year	Year Number

Original Cost of		Non	
Decommissioned	IC&I %	Blue Box %	Net Residential
Capital	of Total	of Residential	Blue Box Cost
\$0.00	0.00%	0.00%	\$0.00
\$0.00	0.00%	0.00%	\$0.00
\$0.00	0.00%	0.00%	\$0.00
\$0.00	0.00%	0.00%	\$0.00

0040											
2012	Curbside Cart		0	\$0.00		0	0	\$0.00	0.00%	0.00%	\$0.00
2013	Curbside Cart		0	\$0.00		0	0	\$0.00	0.00%	0.00%	\$0.00
2014	Curbside Cart		0	\$0.00		0	0	\$0.00	0.00%	0.00%	\$0.00
2015	Curbside Cart		0	\$0.00		0	0	\$0.00	0.00%	0.00%	\$0.00
2016	Curbside Cart		0	\$0.00		0	0	\$0.00	0.00%	0.00%	\$0.00
2017	Curbside Cart		0	\$0.00		0	0	\$0.00	0.00%	0.00%	\$0.00
		Total	0		,				0.0070	J 0.0070	
		iotai	0	\$0.00			0	\$0.00		L	\$0.00
Purchase of	Roll-Off Bins / Compartmental	lized Trail	lers (3 Year	· Amortization)				_	?		
				?	?	?	Original Co	ost of 🛂 🛮 🔞	Non		
Eligible Years			Number	Total Cost of	Year	Number	Decommiss			Net Resider	
of Purchase	Capital Item		Purchased	Purchases	Decommission	ed Decommission	oned Capita			Blue Box C	
2015	Bins / Trailers		0	\$0.00	0	(		\$0.00 0.00%	0.00%		\$0.00
2016	Bins / Trailers		0	\$0.00	0			\$0.00 0.00%	0.00%		\$0.00
2017	Bins / Trailers		0	\$0.00	0			\$0.00	0.00%		\$0.00
		Total	0	\$0.00	1	(		\$0.00		9	\$0.00
					•		•				
Other Uncate	egorized Capital Purchases (D	efine amo	ortization pe	eriod, up to 20 yea	rs)					?	
				?		?	?	Original Cost of	2	Non	
Eligible Years			Number		Amortization	Year	Number	Decommissioned			Net Residential
of Purchase	Capital Item		Purchased	Purchases	Period D	Decommissioned	Decommissioned	Capital			Blue Box Cost
2011			0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.0
2011 2011			0 0	\$0.00 \$0.00	0 0	0	0	\$0.00 \$0.00	0.00%	0.00%	
					0		0 0	\$0.00	0.00% 0.00% 0.00%	0.00%	\$0.0
2011			0	\$0.00		0	0		0.00% 0.00%	0.00% 0.00%	\$0.0 \$0.0
2011 2012			0 0	\$0.00 \$0.00	0 0	0	0 0	\$0.00 \$0.00 \$0.00	0.00% 0.00% 0.00%	0.00% 0.00% 0.00%	\$0.0 \$0.0 \$0.0
2011 2012 2012			0 0	\$0.00 \$0.00 \$0.00	0 0 0	0 0 0	0 0 0	\$0.00 \$0.00 \$0.00 \$0.00	0.00% 0.00% 0.00% 0.00%	0.00% 0.00% 0.00% 0.00%	\$0.0 \$0.0 \$0.0 \$0.0
2011 2012 2012 2013			0 0	\$0.00 \$0.00 \$0.00 \$0.00	0 0 0	0 0	0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0.00% 0.00% 0.00% 0.00% 0.00%	0.00% 0.00% 0.00% 0.00% 0.00%	\$0.0 \$0.0 \$0.0 \$0.0
2011 2012 2012 2013 2013			0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0 0 0 0	0 0 0 0	0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00	0.00% 0.00% 0.00% 0.00% 0.00%	0.00% 0.00% 0.00% 0.00% 0.00%	\$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
2011 2012 2012 2013 2013 2014			0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	\$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
2011 2012 2012 2013 2013 2014 2014			0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0.00% 0.00% 0.00% 0.00% 0.00%	0.00% 0.00% 0.00% 0.00% 0.00%	\$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
2011 2012 2012 2013 2013 2014 2014 2015			0 0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	\$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
2011 2012 2012 2013 2013 2014 2014 2015 2015			0 0 0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	\$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
2011 2012 2012 2013 2013 2014 2014 2015 2015 2016 2016	Curbside Truck 1 (MF & CC)		0 0 0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	\$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
2011 2012 2012 2013 2013 2014 2014 2015 2015 2016 2016 2017	Curbside Truck 1 (MF & CC) Curbside Truck 2 (Waste&OCC)		0 0 0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	\$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
2011 2012 2012 2013 2013 2014 2014 2015 2015 2016 2016 2017		Total	0 0 0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$50,000.00	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	\$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
2011 2012 2012 2013 2013 2014 2014 2015 2015 2016 2016 2017			0 0 0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	\$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
2011 2012 2012 2013 2013 2014 2014 2015 2015 2016 2016 2017			0 0 0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$50,000.00	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	\$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
2011 2012 2012 2013 2013 2014 2014 2015 2015 2016 2016 2017		Total	0 0 0 0 0 0 0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$50,000.00	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	\$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
2011 2012 2013 2013 2014 2014 2015 2015 2016 2016 2017 2017	Curbside Truck 2 (Waste&OCC)	Total	0 0 0 0 0 0 0 0 0 0 0 1 1	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$50,000.00 \$50,000.00	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	\$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
2011 2012 2012 2013 2013 2014 2014 2015 2016 2016 2017 2017  Comments ar	Curbside Truck 2 (Waste&OCC)  nd Clarifications (maximum 50)	Total  O charace  Ip with the	0 0 0 0 0 0 0 0 0 0 0 1 1 2	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$70,000.00 \$50,000.00	0 0 0 0 0 0 0 0 0 0 0 7 7	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	\$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
2011 2012 2012 2013 2013 2014 2014 2015 2015 2016 2016 2017 2017  Comments ar Provide any designation of the comments of the c	Curbside Truck 2 (Waste&OCC)  nd Clarifications (maximum 50 escriptive notes necessary to helucks purchased for 2017 for Town Blue Box only, Mixed Fibres and	Total  O charactly with the rn to conduct Comming	0 0 0 0 0 0 0 0 0 0 0 0 1 1 2 ters) understandi	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$120,000.00 \$120,000.00	0 0 0 0 0 0 0 0 0 0 0 0 7 7	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	\$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
2011 2012 2012 2013 2013 2014 2014 2015 2015 2016 2016 2017 2017  Comments ar Provide any dr  2 Curbside tru Truck 1 is for Truck 2 is for	Curbside Truck 2 (Waste&OCC)  nd Clarifications (maximum 50 escriptive notes necessary to helucks purchased for 2017 for Town	Total  O charactely with the recorded Comming rugated Ca	0 0 0 0 0 0 0 0 0 0 0 0 1 1 2 ters) understandi	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$120,000.00 \$120,000.00	0 0 0 0 0 0 0 0 0 0 0 7 7	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	\$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0

recycling trucks under 1 - Owned and Operated Recyclin	ig Veh	icles, and since the IC&	l% and <u></u>				
OPERATING COST - COLLECTION							
NOTE: FORMULA FOR CALCULATING NET RESIDENTIAL  Net Residential Blue Box Cost = Total Cost - (Total Cost  Example: Total Cost = \$100, ICI% = 10%, Non BB% = 20%  Net Residential Blue Box Cost = \$100 - (\$100 - \$100	* ICI% , * 0.1) -	%) – ((Total Cost – (Tota			%)		
= \$72				?			
1 Blue Box Curbside Collection Operating Expenses		2017	IC&I % of Total of	Non Blue Box % of Residential	Net Residential Blue Box Cost	2016	
Direct Curbside Collection Cost	?	\$55,990.89	33.00%	0.00%	\$37,513.90	\$0.00 1	
Foremen/Supervisors	?	\$0.00 2	0.00%	0.00%	\$0.00	\$0.00 2	
Training	?	\$0.00	0.00%	0.00%	\$0.00	\$0.00 3	
Recycling Vehicle Repair and Maintenance	?	\$24,274.74	33.00%	0.00%	\$16,264.08	\$0.00 4	
Recycling Vehicle Fuel		\$16,347.48 5	33.00%	0.00%	\$10,952.81	\$0.00 5	
Recycling Vehicle Licenses and Remits		\$0.00 6	0.00%	0.00%	\$0.00	\$0.00 6	
Recycling Vehicle Licenses and Permits Recycling Vehicle Insurance		\$28.81 <sup>7</sup> \$912.00 <sup>8</sup>	10.00%	80.00%	\$5.19 \$611.04	\$0.00 7	
Blue Boxes	?	\$912.00 9	0.00%	0.00%	\$611.04 \$0.00	\$0.00 8 \$0.00 9	
Curbside Collection Vehicle Leases	?	\$0.00	0.00%	0.00%	\$0.00	\$0.00	
Fleet Management Costs	2	\$0.00	0.00%	0.00%	\$0.00	\$0.00 11	
Wine & Spirits deposit container cost	_	\$0.00	0.00%	0.00%	\$0.00	\$0.00 12	
Fuel Surcharge		\$0.00	0.00%	0.00%	\$0.00	\$0.00 13	
Other Dir Curbside Collection Cost (Garbage & OCC)		\$60,892.00	10.00%	80.00%	\$10,960.56	\$0.00	
Other Rec Veh Repair (Garbage & OCC)		\$23,754.45	10.00%	80.00%	\$4,275.80	\$0.00 15	
Other Rec Veh Fuel (Garbage & OCC)		\$18,011.34 16	10.00%	80.00%	\$3,242.04	\$0.00 16	
Other Safety Equipment & Workwear		\$540.22 17	33.00%	50.00%	\$180.97 \$164.16	\$0.00 17	
Other Rec Veh Insurance (Garbage & OCC)  Material Handling Cost		\$912.00 <sup>18</sup> \$201,663.93 <sup>19</sup>	10.00%	80.00%	\$164.16	\$0.00 18 \$0.00 19	
material framiding Cost		φ201,003.93			\$84,170.55	\$0.00	
If no cost is shown on line 19, then indicate a reason below:							
			5				
			6				
2 Net Residential Blue Box Curbside Collection Capita	l Don	reciption Charge					
·	пері	\$0.00 20				\$0.00 20	
Annual Cost - Vehicles		\$0.00 21				\$0.00 20	
Annual Cost - Blue Boxes							
Annual Cost - Carts		\$0.00 22				\$0.00 22	
Annual Cost - Rolloff Bins/Compact'd Trailers		\$0.00 23				\$0.00 23	
Other - please see descriptions above.		\$7,985.71 24				\$0.00 24	

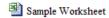
Total Curbside Collection Capital Cost 3 Total Collection Cost	\$7,985.71 25 \$92,156.26 26	\$0.00 25 \$0.00 26	
4 Deduction of Stockpiling Cost %'age allocated to municipal collection of stockpiled material Dollar value alloc. to municipal collection of stockpiled material 5 Gross Residential Collection Cost	0.00% 27	0.00% 27 \$0.00 28 \$0.00 29	
6 Comments and Clarifications (maximum 4000 characters)			
Provide any additional comments about the figures in this section. I collection costs may be higher or lower than other similar municipal.	, , , , , , , , , , , , , , , , , , , ,		
Blue Box Recycling Curbside Schedule = Tues (Res - Dungannon Ward), Thru (IC&I - Bancroft Ward) Garbage & OCC Curbside Schedule = Mon (IC&I), Tues (Res - Dur Bancroft Ward), Thur (IC&I - Bancroft Ward) Garbage Collection combined with Old Corrugated Cardboard collection	ngannon Ward), Wed (Res -		

### Section 3 - Services Provided: BANCROFT, TOWN OF





# Blue Box Cost - Depot/Transfer



(10 Year Amortization)

### **BLUE BOX DEPOT / TRANSFER STATIONS CAPITAL COST - DEPRECIATION**

### NOTE: FORMULA FOR CALCULATING NET RESIDENTIAL BLUE BOX COST HAS BEEN CHANGED TO

 $Net \ Residential \ Blue \ Box \ Cost = Total \ Cost - (Total \ Cost * ICI%) - ((Total \ Cost - (Total \ Cost * ICI%)) * Non \ BB%)$ 

Example: Total Cost = \$100, ICI% = 10%, Non BB% = 20%,

Net Residential Blue Box Cost =  $100 - (100 \cdot 0.1) - ((100 - 10) \cdot 0.2)$ 

= \$100 - \$10 - \$18

2 Purchase of Initial Depot / Transfer Equipment, Major Expansions, Major Retrofits, Weighscales

= \$72

		- 412						?	
1	Purchase of De Year of Commission	pot / Transfer Building (20 Capital Item	Year Amortization) Facility Size	Total Cost of Purchases	Year Decommissione	Original Cost of Decommissioned Capital	IC&I %	Non Blue Box %	Net Residential Blue Box Cost
	1998	Depot / Transfer Building	Facility Size	\$0.00	0	\$0.00	0.00%		
		Depot / Transfer Building		•					\$0.00
	1999			\$0.00	0	\$0.00	0.00%		\$0.00
	2000	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2001	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2002	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2003	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2004	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2005	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2006	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2007	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2008	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2009	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2010	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2011	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2012	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2013	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2014	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2015	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
	2016	Depot / Transfer Building		\$170,350.40	0	\$0.00	25.00%	0.00%	\$127,762.80
	2017	Depot / Transfer Building		\$0.00	0	\$0.00	0.00%	0.00%	\$0.00
			Total	\$170,350.40		\$0.00			\$127,762.80

?

?

Non

Original Cost of 2

Year of		Facility	Total Cost of	Year	Decommissioned	IC&I %	Blue Box %	Net Residential	
Commission	Capital Item	Expansion	Purchases	Decommissioned	Capital			Blue Box Cost	
2008	,	r	\$0.00	0	\$0.00	0.00%	0.00%	\$0.00	
2009			\$0.00	0	\$0.00	0.00%	0.00%	\$0.00	
2010			\$0.00	0	\$0.00	0.00%	0.00%	\$0.00	
2011			\$0.00	0	\$0.00	0.00%	0.00%	\$0.00	
2012			\$0.00	0	\$0.00	0.00%	0.00%	\$0.00	
2013			\$0.00	0	\$0.00	0.00%	0.00%	\$0.00	
2014			\$0.00	0	\$0.00	0.00%	0.00%	\$0.00	
2015			\$0.00	0	\$0.00	0.00%	0.00%	\$0.00	
2016	3x Blue Box Rec Compactors		\$234,580.20	0	\$0.00	25.00%	0.00%	\$175,935.15	
2017		CIF Funding	(\$44,160.31)	0	\$0.00	0.00%	0.00%	(\$44,160.31)	
		Total	\$190,419.89		\$0.00			\$131,774.84	
Purchase of Mind	or Expansions, Minor Retrofits	(5 Year Amortization	on)				2		
			?	?	Original Cost of	2	Non		
Year of		Facility	Total Cost of	Year	Decommissioned	IC&I %		Net Residential	
Commission	Capital Item	Expansion	Purchases	Decommissioned	Capital			Blue Box Cost	
2013			\$0.00	0	\$0.00	0.00%	0.00%	\$0.00	
2014 2015			\$0.00	0	\$0.00	0.00%	0.00%	\$0.00	
2015			\$0.00 \$0.00	0	\$0.00 \$0.00	0.00%	0.00%	\$0.00 \$0.00	
2010			\$0.00	0	\$0.00	0.00%	0.00%	\$0.00	
2017		Total	\$0.00			0.00%	0.0076		
		rotar	\$0.00		\$0.00			\$0.00	
urchase of Polls	off Containers / Dumpsters (5 \	Voor Amortization)							
archase of Roll	on containers / Dumpsters (5	real Amortization)	2	?	2	Original C	ant of 🔽 🧻	Non	
Eligible Years		Number	Total Cost of	Year	Number	Decommis		I % Blue Box %	Net Residential
of Purchase	Capital Item	Purchased	Purchases	Decommissioned	Decommissioned	Capit			Blue Box Cost
2013	Rolloffs / Dumpsters	0	\$0.00	0	0		\$0.00	0.00%	\$0.00
	Rolloffs / Dumpsters	0	\$0.00	0	0			0.00%	\$0.00
	Rolloffs / Dumpsters	0	\$0.00	0	0			0.00%	\$0.00
	Rolloffs / Dumpsters	0	\$0.00	0	0			0.00%	\$0.00
2017	Rolloffs / Dumpsters	0	\$0.00	0	0			0.00%	\$0.00
	Tota	al 0	\$0.00		0		\$0.00		\$0.00
Purchase of Rolli	ing Stock (3 Year Amortization	n)						2	
Flimible Mee		Number	Total Cost of	Z Vaar	Number	Original C Decommis		Non  Non  Non  Non	Net Residential
Eligible Years of Purchase	Capital Item	Purchased	Total Cost of Purchases	Year Decommissioned	Number Decommissioned	Capit			al Blue Box Cost
	Rolling Stock	0	\$0.00	0	0			0.00%	\$0.00
	Rolling Stock	1	\$60,000.00	0	0			3.00% 0.00%	\$40,200.00
	-		. ,	•	•	-			

2017	Rolling Stock	Total 2	(\$60,000.00) \$0.00	0	0	\$0.00 \$0.00		0.00%	(\$40,200.00	
		2	φυ.υυ		0	φυ.υι	2		φυ.υ	4
6 Other Uncatego	rized Capital Purchas	es (Define amortization po	eriod, up to 20 years)						2	
			?		?	?	Original Cost of	2	Non	
Year of		Number	Total Cost of	Amortization	Year	Number	Decommissioned			Net Residential
Commission	Capital Item	Purchased	Purchases	Period	Decommissioned	Decommissioned	Capital	of Total	of Residential	Blue Box Cost
2001		0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.00
2002		0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.00
2003		0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.00
2004		0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.00
2005		0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.00
2006		0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.00
2007		0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.00
2008		0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.00
2009		0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.00
2010		0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.00
2010		0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.00
2011		0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.00
2011		0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.00
2012		0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.00
2012		0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.00
2013		0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.00
2013		0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.00
2014		0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.00
2014		0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.00
2015		0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.00
2015		0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.00
2016		0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.00
2016		0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.00
2017		0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.00
2017		0	\$0.00	0	0	0	\$0.00	0.00%	0.00%	\$0.00
		Total 0	\$0.00			0	\$0.00			\$0.00

### **OPERATING COST - DEPOT AND TRANSFER STATIONS**

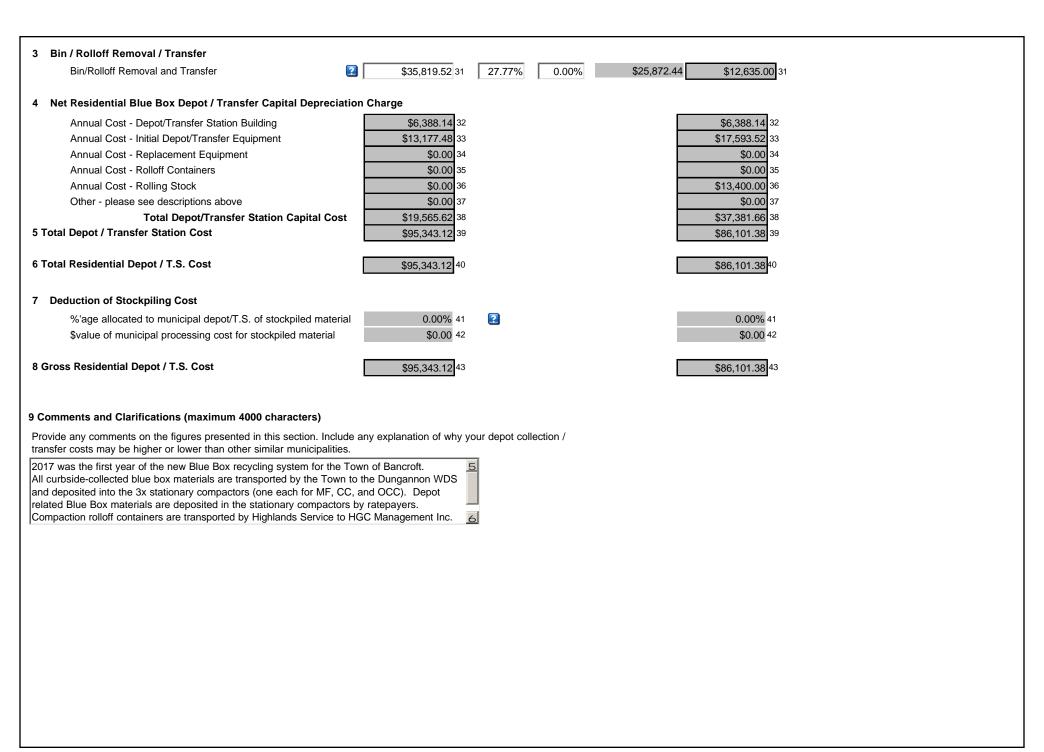
### NOTE: FORMULA FOR CALCULATING NET RESIDENTIAL BLUE BOX COST HAS BEEN CHANGED TO

 $Net \ Residential \ Blue \ Box \ Cost = Total \ Cost - (Total \ Cost * ICI%) - ((Total \ Cost - (Total \ Cost * ICI%)) * Non \ BB%)$ 

Example: Total Cost = \$100, ICI% = 10%, Non BB% = 20%,

Net Residential Blue Box Cost = \$100 - (\$100 \* 0.1) - ((\$100 - \$10) \* 0.2)

	= \$100 - \$10	- \$18					
	= \$72	- ψ10					
				?	☑ Non		
1 Blu	e Box Depot / Transfer Material Handling Cos	t				Net Residential	
		_	2017	of Total of	f Residential	Blue Box Cost	2016
	Depot/Transfer Facility Staffing	?	\$46,427.96	20.83%	25.00%	\$27,567.76	\$18,496.89
	Foremen/Supervisors	2	\$15,000.00 2	20.83%	25.00%	\$8,906.63	\$4,012.50 2
	Training	?	\$0.00 3	0.00%	0.00%	\$0.00	\$0.00 3
	Equipment Repairs and Maintenance	2	\$3,299.44	27.77%	0.00%	\$2,383.19	\$0.00 4
	Equipment Fuel	2	\$0.00	0.00%	0.00%	\$0.00	\$0.00 5
	Equipment Insurance	_	\$0.00	0.00%	0.00%	\$0.00	\$0.00 6
	Equipment Leases	?	\$0.00 7	0.00%	0.00%	\$0.00	\$0.00 7
	Equipment Rentals	?	\$1,816.58	27.77%	0.00%	\$1,312.12	\$0.00 8
	Miscellaneous Supplies		\$334.42 <sup>9</sup>	27.77%	0.00%	\$241.55	\$0.00 9
	Wine & Spirits deposit container cost		\$0.00	0.00%	0.00%	\$0.00	\$0.00
Other	Bobcat Repairs (Mat Handling & Site Maintenan		\$220.82	20.83%	25.00%	\$131.12	\$5,953.94
Other			\$0.00	0.00%	0.00%	\$0.00	\$0.00 12
Other			\$0.00	0.00%	0.00%	\$0.00	\$0.00 13
Other			\$0.00	0.00%	0.00%	\$0.00	\$0.00
	Material Handling Operating Cost	L	\$67,099.22 <sup>15</sup>			\$40,542.36	\$28,463.32
2 Blu	e Box Depot / Transfer Station Cost Building Repairs and Maintenance	[	\$1,864.57	20.83%	25.00%	\$1,107.14	\$0.00 1
	Building Insurance	Ī	\$2,909.74	20.83%	25.00%	\$1,727.73	\$269.28 17
	Site Maintenance	2	\$0.00	0.00%	0.00%	\$0.00	\$0.00
	Janitorial Services	ĺ	\$0.00	0.00%	0.00%	\$0.00	\$0.00
	Utilities - Hydro	ĺ	\$3,197.83	24.44%	12.00%	\$2,126.33	\$859.44 20
	Utilities - Water	Î	\$0.00 21	0.00%	0.00%	\$0.00	\$0.00 2
	Utilities - Gas	ĺ	\$1,074.58 22	20.83%	25.00%	\$638.06	\$2,368.36
	Fire Alarm and Sprinkler Maintenance		\$208.61 23	20.83%	25.00%	\$123.87	\$73.84 23
	Site Security		\$0.00 24	0.00%	0.00%	\$0.00	\$879.46 24
	Taxes	?	\$9,595.02 25	37.50%	50.00%	\$2,998.44	\$3,171.04 25
Other	Safety Equipment and Workwear	_	\$1,488.94 26	13.88%	50.00%	\$641.14	\$0.00 26
Other	1		\$0.00 27	0.00%	0.00%	\$0.00	\$0.00 27
Other			\$0.00 28	0.00%	0.00%	\$0.00	\$0.00 28
Other		I I	\$0.00 29	0.00%	0.00%	\$0.00	\$0.00 29
	Depot/Transfer Facility Operating Cost		\$20,339.29 30	0.0070	0.0070	\$9,362.70	\$7,621.41
	Depot transfer racinty Operating Cost	L	\$20,339.29			\$9,302.70	\$7,021.41
If cost e	entered in lines 1 to 14, but no cost shown in line 3	n then indicate	reason in space below				
	e value \$-44,160.31 input in Purchase of Initial De		· .	5			
	to CIF funding received in 2017 for capital costs s		new compaction	_			
	ent. Negative value of \$-60,000 input in 2017 in Pu						
	d in 2016 should not have been included here, it shapes Tab. Final price of curboids trusts properly in			_			
Collect	on Tab. Final price of curbside trucks properly inp	out in 2017 unde	r Otner <u>«</u>	5			



# **Section 3 - Services Provided: BANCROFT, TOWN OF**





# **Blue Box Cost - Other Revenue**

## **REVENUE**

#### Other Blue Box Revenue Sources 2017 2016 \$274.35 Sales of Blue Boxes, Curbside Containers \$407.10 \$0.00 2 Fees and Service Charges \$0.00 \$0.00 Other 3 \$0.00 Other \$0.00 \$0.00 **Total Other Blue Box Revenue** 5 \$274.35 5 \$407.10

## 2 Comments and Clarifications (maximum 4000 characters)

Provide any descriptive comments about the figures in this section. Include any information explaining why your revenues may be higher or lower than other similar municipalities.

In 2017, the Town of Bancroft sold 46 Blue Boxes at \$8.85 each, for a total of \$407.10 in	5
revenue.	
	6

Section 3 - Services Provided: BANCROFT, TOWN OF	

### Section 3 - Services Provided: Non Blue Box





# **Other Recyclables**



Do all of the households in your program receive the same level of service? jn Yes jn No

### **Households Serviced under this Contract**

Municipal Service Area	Single Family	Multi Family	Total
Town of Bancroft (DEPOT ONLY)	1,574	370	1,944
Total Households	1,574	370	1,944

Multi Family households serviced by curbside Multi Family households serviced by depot Unserviced Multi Family households

0% 100% 0%

Municipal Service Area:

PLEASE INDICATE WHICH MATERIALS ARE ELIGIBLE FOR COLLECTION AT RESIDENTIAL CURBSIDE, IC&I CURBSIDE, AND/OR DEPOT

Residential Curbside C

IC&I Curbside

Depot

### Section 3 - Services Provided: Non Blue Box





### **Other Recyclables**



### **RESIDENTIAL OTHER RECYCLABLES AND REUSABLES**

TONNES
--------

						?							
		Collected C	urbside	Collected	Depot	Mark		Dispo	sed	Collected	Collected		
		Residential	IC&I	Residential	IC&I	Residential	IC&I	Residential	IC&I	Curbside	Depot	Marketed	Disposed
GAP?	Textiles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAP?	Bulky Goods 🔃	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAP?	Scrap Metal 🖸	0.00	0.00	62.84	6.98	0.00	0.00	0.00	0.00	0.00	58.05	0.00	0.00
GAP?	Drywall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAP?	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAP?	Brick & Concrete	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAP?	Other C&D Recyclables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAP?	Other	0.00	0.00	1.01	0.05	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.00
	Total	0.00	0.00	63.85	7.03	0.00	0.00	0.00	0.00	0.00	58.86	0.00	0.00
		GAP?		GAP?		GAP?		GAP?					

Are your Other Recyclables tonnes based on weigh scale tickets or volume estimates converted to tonnes?

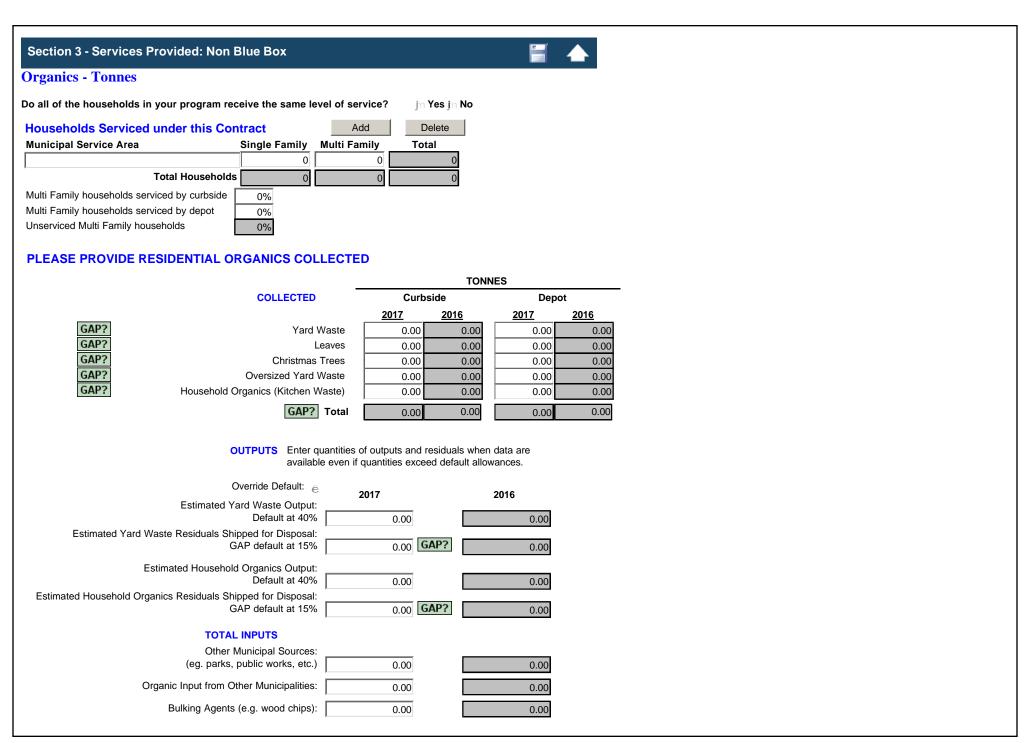
	Weigh Scale Tickets	Volume Estimates Converted to Tonnes
Textiles	ē	ê
Bulky Goods	e	ê
Scrap Metal	Ь	ē
Drywall	ē	ê
Wood	ē	ē
Brick & Concrete	ē	ē
Other C&D Recyclables	ē	ê
Other	Б	É

### **COMMENTS AND CLARIFICATIONS (maximum 4000 characters)**

Enter any additional comments about the information entered in this section.

Other = Automotive Plastics Total Automotive Plastics = 1.06 tonnes Residential (95%) = 1.01 tonnes

IC&I (5%) = 0.05 tonnes	
IC&I (5%) = 0.05 tonnes Service Provider = Pneuwko Bros.	6

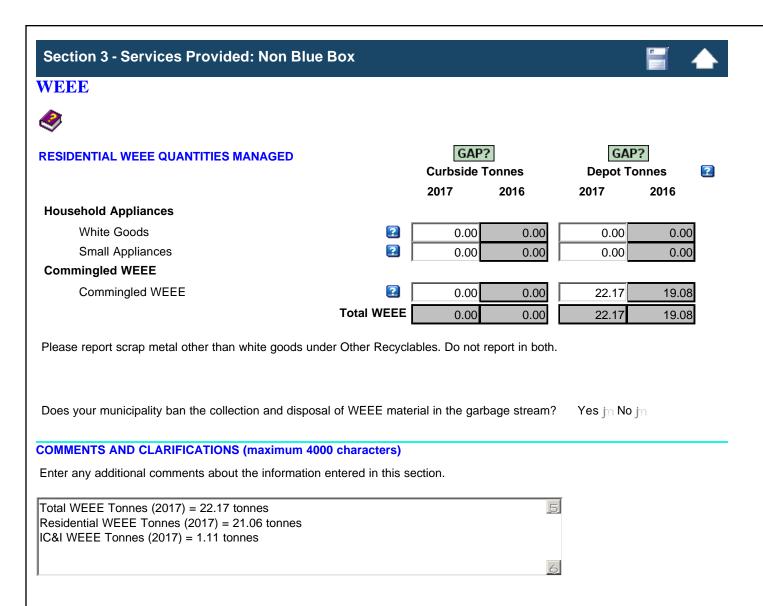


Total CAI Organics:			
Total Organics Inputs:  (Includes totals collected above)  Are your Organics tonnes based on weigh scale tickets or volume estimates converted to tonnes?    Weigh Scale   Volume Estimates   Tickets   Converted to Tonnes	Total IC&I Orga	anics:	0.00
Are your Organics tonnes based on weigh scale tickets or volume estimates converted to tonnes?    Weigh Scale   Volume Estimates	Total Organics In	nputs:	
Yard Waste       E       E         Leaves       €       €         Christmas Trees       €       €         Oversized Yard Waste       €       €         Household Organics (Kitchen Waste)       €       €         Yard Waste Output       €       €         Yard Waste Residuals Shipped for Disposal       €       €         Household Organics Output       €       €         Household Organics Residuals Shipped for Disposal       €       €         COMMENTS AND CLARIFICATIONS (maximum 4000 characters)         Enter any additional comments about the information entered in this section.	(Includes totals collected a	above)	0.00
Yard Waste  Leaves  Christmas Trees  Oversized Yard Waste  Household Organics (Kitchen Waste)  Yard Waste Output  Yard Waste Residuals Shipped for Disposal  Household Organics Output  Household Organics Residuals Shipped for Disposal  Flower Household Organics Output  Household Organics Residuals Shipped for Disposal  Flower Household Organics Residuals Shipped	Are your Organics tonnes based on weigh scale ticker	ts or volume est	imates converted to to
Yard Waste  Leaves  Christmas Trees  Oversized Yard Waste  Household Organics (Kitchen Waste)  Yard Waste Output  Yard Waste Residuals Shipped for Disposal  Household Organics Output  Household Organics Residuals Shipped for Disposal  Organics collection is not currently part of Town of Bancroft's waste and recycling services.	, ,		
Leaves © © © © © Christmas Trees © © © © Oversized Yard Waste © © © Oversized Yard Waste © © © © Oversized Yard Waste © © © © Oversized Yard Waste Output © © © Oversized Shipped for Disposal © © © © Oversized Shipped for Disposal © © © © Oversized Waste Residuals Shipped for Disposal © © © © © © © © © © © © © © © © © © ©		Tickets	
Leaves	Yard Waste	€	ê
Oversized Yard Waste		_	
Household Organics (Kitchen Waste)  Yard Waste Output  Yard Waste Residuals Shipped for Disposal  Household Organics Output  Household Organics Residuals Shipped for Disposal  Household Organics Residuals Shipped for Disposal  Enter any additional comments about the information entered in this section.  Organics collection is not currently part of Town of Bancroft's waste and recycling services.		~	€
Yard Waste Residuals Shipped for Disposal  Household Organics Output  Household Organics Residuals Shipped for Disposal  Household Organics Residuals Shipped for Disposal  COMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Enter any additional comments about the information entered in this section.  Organics collection is not currently part of Town of Bancroft's waste and recycling services.		_	ē
Yard Waste Residuals Shipped for Disposal  Household Organics Output  Household Organics Residuals Shipped for Disposal  Household Organics Residuals Shipped for Disposal  E  COMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Enter any additional comments about the information entered in this section.  Organics collection is not currently part of Town of Bancroft's waste and recycling services.			Ê
Household Organics Output Household Organics Residuals Shipped for Disposal  COMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Enter any additional comments about the information entered in this section.  Organics collection is not currently part of Town of Bancroft's waste and recycling services.			€
Household Organics Residuals Shipped for Disposal  COMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Enter any additional comments about the information entered in this section.  Organics collection is not currently part of Town of Bancroft's waste and recycling services.			
COMMENTS AND CLARIFICATIONS (maximum 4000 characters)  Enter any additional comments about the information entered in this section.  Organics collection is not currently part of Town of Bancroft's waste and recycling services.			
Enter any additional comments about the information entered in this section.  Organics collection is not currently part of Town of Bancroft's waste and recycling services.	Household Organics Residuals Shipped for Disposal	€	€
Enter any additional comments about the information entered in this section.  Organics collection is not currently part of Town of Bancroft's waste and recycling services.	COMMENTS AND CLADIFICATIONS (magains up 4000 also		
Organics collection is not currently part of Town of Bancroft's waste and recycling services.			
			6

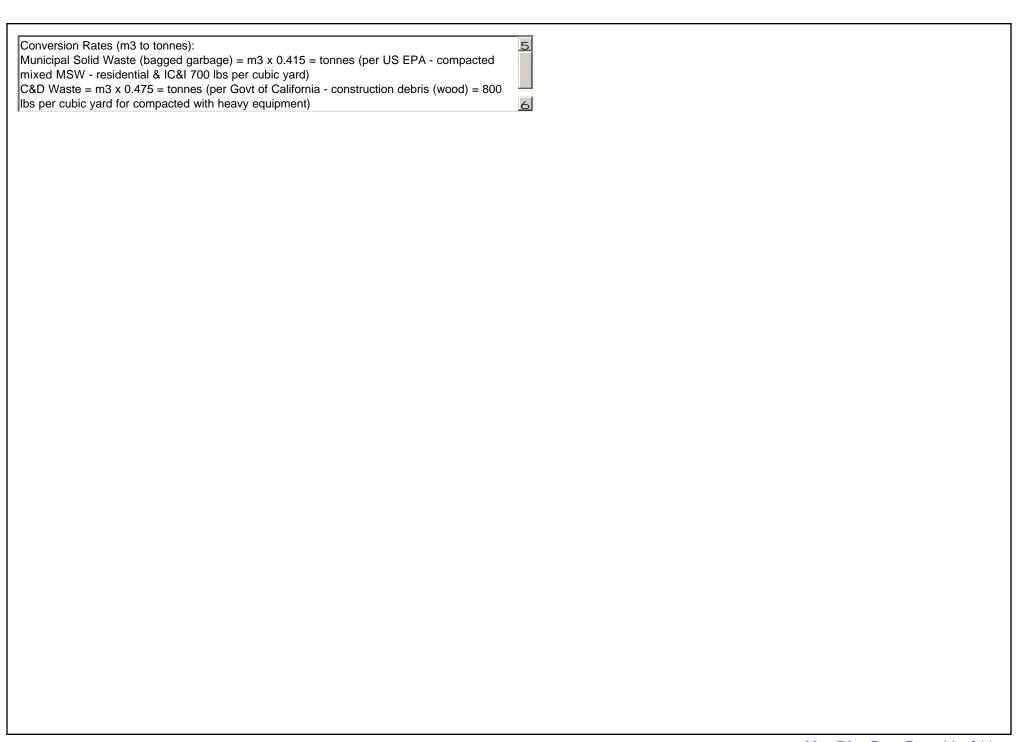
#### Section 3 - Services Provided: Non Blue Box **Organics - Central Composting CENTRAL COMPOSTING** Note: Questions k, I, m, n, o and p must be answered to calculate grasscycling tonnes in GAP b) What is the a) What type of containers are c) What is the grade d) How often do you GAP? used by the residents? composting method? of compost produced? test your compost? Plastic Bags € Windrow € CCME A Paper Fibre € Static Pile € CCME B Wheeled carts (ventilated) Interim MOE Guidelines Invessel e) What lab are you Rigid Bins Anerobic Digestion € Unknown using for your test? Wheeled carts (non-ventilated) 5 Other, specify: f) % of unprocessed organics sent for direct land application: 0.00% g) What is the distribution % of your total outputs: Sold: Give Away: 0.00% Used By Your Organization: 0.00% 0.00% h) Who markets your product? i) Who are the users of your finished compost? E Landscapes € Topsoil Blenders Agricultural Garden Centres Municipal Residents Land Reclamation j) What are the revenues for your finished compost product? Revenue Amount: Unit: \$0.00 k) Do you have a ban on grass clippings in the garbage? GAP? jn Yes jn No I) Do you ban grass clippings from your leaf and yard waste curbside collection? GAP? in Yes in No m) Do you ban grass clippings from your leaf and yard waste depot collection? GAP? in Yes in No n) Do you promote grasscycling to your residents through promotion/educational materials? GAP? in Yes in No

o) Do you provide bi-weekly garbage collection?		L Maria Na ICAD2
		jn Yes jn No GAP?
p) Do you require that residents use clear bags for garbage collection?		jn Yes jn No GAP?
COMMENTS AND CLARIFICATIONS (maximum 4000 characters)		
Enter any additional comments about the information entered in this section.		
	5	
	6	

Section 3 - Services Provided: Non Blue Box	
Organics - Backyard Composting	
DISTRIBUTED IN CURRENT YEAR	
a) Do you provide backyard composters to residents?	
	0.00
Units Distributed in Prior Years Distributed in 2017 Cumulative Total  c) Number of Composters 0 0 0  d) Estimated tonnage diverted 0.00 0.00  Note: An average composter unit diverts an estimated 100kg/unit/year	AP?
e) Please explain the type of promotion you provide to residents to promote backyard composting.	
5	
3	
COMMENTS AND CLARIFICATIONS (maximum 4000 characters)	
Enter any additional comments about the information entered in this section.	
5	
6	



#### **Section 3 - Services Provided: Non Blue Box Garbage** Do all of the households in your program receive the same level of service? in Yes in No **Households Serviced under this Contract Municipal Service Area** Single Family **Multi Family** Total Town of Bancroft (Curbside & Depot) 1,574 370 1,944 **Total Households** 1,574 370 1,944 Multi Family households serviced by curbside 100% Multi Family households serviced by depot 0% Unserviced Multi Family households 0% LIST THE MUNICIPALITIES SERVICED BY YOUR BULKY WASTE COLLECTION PROGRAM Add Delete Municipal Service Area What items are collected? What is the frequency of collection? GARBAGE COLLECTED (TONNES) Residential 2 IC&I 🔝 Total 2017 2016 2017 2016 2017 2016 GAP? a) From Curbside Collection 267.07 286.01 267.07 286.01 534.14 572.02 GAP? b) From Drop-off Depots 327.35 341.06 664.62 702.08 991.97 1,043.14 Total 594.42 627.07 931.69 988.09 1,526.11 1,615.16 Are your garbage tonnes based on e weigh scale tickets **5** volume estimates converted to tonnes Please provide the conversion rate from volume to tonnes: 0.00 6 : 0.00 Did you dispose of all your residential garbage at landfill? in Yes in No **COMMENTS AND CLARIFICATIONS (maximum 4000 characters)** Enter any additional comments about the information entered in this section.



# Section 4.1 - Blue Box Tonnes Summary





		2	2017 TONNES	3		2	016 TONNES		2017	5
	Residential Collected Curbside	Residential Collected Depot		Net Residential Stockpiled	Net Residential Disposed	Residential Collected Curbside		Net Residential Marketed	NET RESIDENTIAL REVENUE RECEIVED	2016 REVENI RECEIV
Fibres	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>#0.00</b>	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$(
	0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	\$0.00 \$0.00	\$( \$(
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00 \$0.00	\$(
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$(
	94.48	56.41	150.90	0.00	0.00	0.00	82.41	0.00	\$18,653.39	\$5,80
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$5,80.
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$(
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$(
	52.16	49.30	100.91	0.00	0.00	0.00	55.62	0.00	\$1,744.29	\$1,62
Metals	00	.0.00		0.00	0.00	0.00	33.32	0.00	ψ.,=0	<b>4</b> 1,62
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$(
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$(
Plastics										
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$(
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$(
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$(
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$(
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$(
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$(
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$(
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$(
Glass Containers										
M 1 4 17 B	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$(
Marketed To Processors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$(
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$(
	0.00	0.00		0.00	0.00	0.00	0.00	0.00		\$(
Commingle	12.31	11.64	21.55	0.00	0.00	235.95	0.00	0.00	\$0.00	\$(
			0.00			0.00				
	0.00	0.00	0.00	0.00 0.00	0.00 0.00	0.00	0.00 0.00	0.00 0.00	\$0.00 \$0.00	\$( \$(
	62.64	59.20	109.67	0.00	0.00	0.00	52.69	0.00	\$4,266.90	\$(
TOTAL REPORTED BLUE BOX		176.55	383.03	0.00	0.00	235.95	190.72	0.00	\$24,664.58	\$7,42

GAP? GAP?

3|

# Blue Box / Blue Bag Recyclables (Tonnes)

	2017	2016
a) Residential Curbside Collection	221.59	235.95
b) Residential Depot Collection	176.55	190.72
c) Total Residential Recycling Collection [a+b]	398.14	426.67
d) Total Residential Tonnes Marketed	383.03	0.00
e) Shipped for Disposal	15.11	40.01
f) Stockpiled	0.00	0.00

### 2017 MARKETED BLUE BOX TONNAGE SUMMARY RESULTS

Program Name BANCROFT, TOWN OF Program Code 711 **Total Population** 3,881 2016 Blue Box Tonnage Total Households 426.67 1,944 BB Households Curbside 1,944 2017 Blue Box Tonnage 398.14 BB Households Depot 0

Please provide an explanation if any of your calculated kgs/hhld or % by material type exceeds the suggested range of values:

55 5			
2017 Details	Marketed Tonnage	Kgs / Hhld	%
Printed Paper			
ONP #8	0.00	0.00	
ONP #6	0.00	0.00	
Household Fine Paper	0.00	0.00	
Old Telephone Directories	0.00	0.00	
Old Magazines/Catalogues (OMG)	0.00	0.00	
Printed Paper	0.00	0.00	
Sub-Total	0.00		0.0%
Packaging			
Old Corrugated Containers (OCC)	150.90	77.62	
Old Boxboard (OBB)	0.00	0.00	
OCC/OBB Mix (Hardpack)	0.00	0.00	

Paper-Based Packaging		0.00	0.00	
	Sub-Total	150.90		39.4%
Residential Mixed Papers		100.91	51.91	
Polycoat Containers		0.00	0.00	
	Sub-Total	100.91		26.3%
Metal				
Aluminum (Cans, Containers	s, Foil)	0.00	0.00	
Steel (Cans, Containers)	•	0.00	0.00	
	Sub-Total	0.00		0.0%
Plastics				
PET Bottles (#1)		0.00	0.00	
PET Clamshells (#1)		0.00	0.00	
HDPE Containers - Clear(#2	)	0.00	0.00	
HDPE Containers - Coloured		0.00	0.00	
Other Bottles (#3, #5, #7)		0.00	0.00	
Plastic Film (#2, #4)		0.00	0.00	
Tubs & Lids (#2, #4, & #5)		0.00	0.00	
Polystyrene Foam(#6)		0.00	0.00	
Polystyrene Crystal(#6)		0.00	0.00	
Mixed Plastics		0.00	0.00	
	Sub-Total	0.00		0.0%
Flint/Clear				
Marketed To Processors		0.00	0.00	
Aggregate meeting MTO Sta	andards	0.00	0.00	
	Sub-Total	0.00		0.0%
Coloured				
Marketed To Processors		0.00	0.00	
Aggregate meeting MTO Sta	andards	0.00	0.00	
	Sub-Total	0.00		0.0%
Mixed Glass				<del></del>
Marketed To Processors		0.00	0.00	
Aggregate meeting MTO Sta	andards	0.00	0.00	
, 1991.094.10 miles (11.10 old	Sub-Total	0.00	0.00	0.0%
	Jub Total	0.00		0.070

Commingle					
Fibre, Glass, Aluminum, Steel, Plastic	21.55	11.09			
Fibre, Aluminum, Steel, Plastic	0.00	0.00			
Fibre, Steel, Plastic	0.00	0.00			
Aluminum, Steel, Plastic	0.00	0.00			
Glass, Aluminum, Steel, Plastic	109.67	56.41			
Sub-Total	131.22		34.3%		
Total	383.03		100.0%		
 Total	363.03		100.0%		
				~	

# **Section 4.2 - Blue Box Cost Summary**



# **OPERATING AND CAPITAL COST - COLLECTION**

# 1 Blue Box Curbside Collection Operating Expenses

	2017		2016
Curbside Collection Contract Cost	\$ 0.00	1	\$ 109,761.08 1
Direct Curbside Collection Cost	\$ 37,513.90	2	\$ 0.00 2
Foremen/Supervisors	\$ 0.00	3	\$ 0.00 3
Training	\$ 0.00	4	\$ 0.00 4
Recycling Vehicle Repair and Maintenance	\$ 16,264.08	5	\$ 0.00 5
Recycling Vehicle Fuel	\$ 10,952.81	6	\$ 0.00 6
Recycling Vehicle Radio Airtime	\$ 0.00	7	\$ 0.00 7
Recycling Vehicle Licenses and Permits	\$ 5.19	8	\$ 0.00 8
Recycling Vehicle Insurance	\$ 611.04	9	\$ 0.00 9
Blue Boxes	\$ 0.00	10	\$ 0.00 10
Curbside Collection Vehicle Leases	\$ 0.00	11	\$ 0.00 11
Fleet Management Costs	\$ 0.00	12	\$ 0.00 12
Wine & Spirits deposit container cost	\$ 0.00	13	\$ 0.00 13
Fuel Surcharge	\$ 0.00	14	\$ 0.00 14
Other - Dir Curbside Collection Cost (Garbage & OCC)	\$ 10,960.56	15	\$ 15
Other - Rec Veh Repair (Garbage & OCC)	\$ 4,275.80	16	\$ 16
Other - Rec Veh Fuel (Garbage & OCC)	\$ 3,242.04	17	\$ 17
Other - Safety Equipment & Workwear	\$ 180.97	18	\$ 18
Other - Rec Veh Insurance (Garbage & OCC)	\$ 164.16	19	\$ 19
Total Operating Cost	\$ 84,170.55	20	\$ 109,761.08 20

# 2 Blue Box Curbside Collection Capital Depreciation Charge

2017		2016
0.00 2	1 \$	0.00 21
0.00 2	2 \$	0.00 22
0.00 2	3 \$	0.00 23
0.00 2	4 \$	0.00 24
1,285.71 2	5 \$	25
6,700.00 2	6 \$	26
7,985.71 2	7 \$	0.00 27
	0.00 2 0.00 2 0.00 2 0.00 2 1,285.71 2 6,700.00 2	0.00 21 \$ 0.00 22 \$ 0.00 23 \$ 0.00 24 \$ 1,285.71 25 \$ 6,700.00 26 \$

2. Tatal Callagation Cont			
3 Total Collection Cost		2017	2016
Total Collection Cost	\$	92,156.26 28	\$ 109,761.08 28
4 Deduction of Steekniling Cost			
4 Deduction of Stockpiling Cost		2017	2016
%'age allocated to contracted collection of stockpiled material		0.00 % 29	0.00 % 29
%'age allocated to municipal collection of stockpiled material		0.00 % 30	0.00 % 30
\$value allocated to contracted collection of stockpiled material	-\$	0.00 31	\$ 0.00 31
\$value allocated to municipal collection of stockpiled material	-\$	0.00 32	\$ 0.00 32
5 Gross Residential Collection Cost			
		2017	2016
Gross Residential Collection Cost	\$	92,156.26 33	\$ 109,761.08 33
ODERATING AND CARITAL COOT, DROOFSOING			
OPERATING AND CAPITAL COST - PROCESSING			
1 Blue Box Processing Material Handling Cost		2047	2040
Processing Contract Cost	\$	<b>2017</b> 0.00 1	\$ <b>2016</b> 0.00 1
-			
Direct Processing Cost	\$	0.00 2	\$ 0.00 2
Foremen/Supervisors	\$	0.00 3	\$ 0.00 3
Training	\$	0.00 4	\$ 0.00 4
Equipment Repairs and Maintenance	\$	0.00 5	\$ 0.00 5
Processing Equipment Fuel	\$	0.00 6	\$ 0.00 6
Baling Wire	\$	0.00 7	\$ 0.00 7
Processing Equipment Insurance	\$	0.00 8	\$ 0.00 8
Equipment Leases	\$	0.00 9	\$ 0.00 9
Equipment Rentals	\$	0.00 10	\$ 0.00 10
Miscellaneous Supplies	\$	0.00 11	\$ 0.00 11
Recyclables Shipping and Duty	\$	0.00 12	\$ 0.00 12
Residues Disposal	\$	0.00 13	\$ 0.00 13
Residues sent for Additional Processing	\$	0.00 14	\$ 0.00 14
Wine & Spirits deposit container cost	\$	0.00 15	\$ 0.00 15
Material Handling Operating Cost	\$	0.00 16	\$ 0.00 16
2 Blue Box Processing Facility Cost			

			2017		2016	
	Building Repairs and Maintenance	\$	0.00 17	\$	0.00 17	
	Building Insurance	\$	0.00 18		0.00 18	
	Site Maintenance	\$	0.00 19		0.00 19	
	Janitorial Services	\$	0.00 20		0.00 20	
	Utilities - Hydro	\$	0.00 21		0.00 21	
	Utilities - Water	\$	0.00 22		0.00 22	
	Utilities - Gas	\$	0.00 23	\$	0.00 23	
	Fire Alarm & Sprinkler Maintenance	\$	0.00 24	\$	0.00 24	
	Site Security	\$	0.00 25	\$	0.00 25	
	Taxes	\$	0.00 26	\$	0.00 26	
	Processing Facility Operating Cost	\$	0.00 27	\$	27	
3	Blue Box Processing Capital Depreciation Charge		2017		2016	
	Annual Cost - MRF Building	\$	0.00 28	\$	0.00 28	
	Annual Cost - Initial MRF Equip/Major Retrofits	\$	0.00 29	\$	0.00 29	
	Annual Cost - Replacement Equip. Minor Retrofits	\$	0.00 30	\$	0.00 30	
	Annual Cost - Rolloff Containers/Dumpsters	\$	0.00 31	\$	0.00 31	
	Annual Cost - Rolling Stock	\$	0.00 32	\$	0.00 32	
	Total Processing Capital Cost	\$	0.00 33	\$	0.00 33	
	N. D. I. (110) D. M. I. (2) E. D. I.					
4	Net Residential Blue Box Market Tip Fees Paid		2017		2016	
2	Net Residential Market Tip Fees Paid	\$	808.78 34	\$	0.00 34	
5	Total Residential Processing Cost		2017		2016	
	Total Residential Processing Cost	\$	808.78 35	\$	0.00 35	
	•					
6	Deduction of Stockpiling Cost		2017		2016	
	%'age allocated to contracted processing of stockpiled material		0.00 % 36		0.00 % 36	
	%'age allocated to municipal processing of stockpiled material		0.00 % 37		0.00 % 37	
	\$value allocated to contracted processing of stockpiled material	-\$		-\$	38	
	\$value allocated to municipal processing of stockpiled material	-\$	0.00 39		0.00 39	
	Trailed allocated to maintipal processing of stockplied material	Ψ	0.00 00	Ψ	0.00 00	

7 Gross Residential Processing Cost				
	_	2017	_	2016
Gross Residential Processing Cost	\$	808.78 4	) \$	0.00 40
OPERATING AND CAPITAL COST - DEPOT / TRANSFEI	R COST			
1 Blue Box Depot/Transfer Material Handling Cost				
	_	2017	_	2016
Depot/Transfer Contract Cost	\$	0.00 1	\$	0.00 1
Depot/Transfer Facility Staffing	\$	27,567.76 2	\$	18,496.89 2
Foremen/Supervisors	\$	8,906.63 3	\$	4,012.50 3
Training	\$	0.00 4	\$	0.00 4
Equipment Repairs and Maintenance	\$	2,383.19 5	\$	0.00 5
Equipment Fuel	\$	0.00 6	\$	0.00 6
Equipment Insurance	\$	0.00 7	\$	0.00 7
Equipment Leases	\$	0.00 8	\$	0.00 8
Equipment Rentals	\$	1,312.12 9	\$	0.00 9
Miscellaneous Supplies	\$	241.55 1	\$	0.00 10
Wine & Spirits deposit container cost	\$	0.00 1	\$	0.00 11
Other - 2016 Total	\$	1:	2 \$	5,953.94 12
Other - Bobcat Repairs (Mat Handling & Site Maintenance)	\$	131.12 1	3 \$	13
Material Handling Operating Cost	\$	40,542.36	\$	28,463.32 14
2 Blue Box Depot/Transfer Station Cost				
	•	2017		2016
Building Repairs and Maintenance	\$	1,107.14 1		0.00 15
Building Insurance	\$	1,727.73 1	-	269.28 16
Site Maintenance	\$	0.00 1	•	0.00 17
Janitorial Services	\$	0.00 1		0.00 18
Utilities - Hydro	\$	2,126.33 1		859.44 19
Utilities - Water	\$	0.00 2		0.00 20
Utilities - Gas	\$	638.06 2	\$	2,368.36 21
Fire Alarm and Sprinkler Maintenance	\$	123.87 2	2 \$	73.84 22
Site Security	\$	0.00 2	3 \$	879.46 23
Taxes	\$	2,998.44 2	1 ¢	3,171.04 24

Other - Safety	Equipment and Workwear	\$	641.14 2	25 \$	25		
Depot/Transfe	r Facility Operating Cost	\$	9,362.70	26 \$	7,621.41 26		
3 Bin/Rolloff Re	moval/Transfer						
			2017		2016		
Bin/Rolloff Rei	moval and Transfer	\$	25,872.44	27 \$	12,635.00 27		
4 Blue Box Dep	ot/Transfer Capital Depreciation Charge						
			2017		2016		
	Depot/Transfer Station Building	\$	6,388.14				
Annual Cost -	Initial Depot/Transfer Equipment	\$	13,177.48	29 \$	17,593.52 29		
Annual Cost -	Replacement Equipment	\$	0.00	30 \$	0.00 30		
Annual Cost -	Rolloff Containers	\$	0.00	31 \$	0.00 31		
Annual Cost -	Rolling Stock	\$	0.00	32 \$	13,400.00 32		
Total Depot/T	ransfer Station Capital Cost	\$	19,565.62	33 \$	37,381.66 33		
5 Total Residen	tial Depot/T.S. Cost						
			2017		2016		
Total Residen	tial Depot/T.S. Cost	\$	95,343.12	34 \$	86,101.38 34		
6 Deduction of	Stockpiling Cost						
			2017		2016		
•	ed to contracted depot/T.S. of stockpiled material			35	0.00 % 35		
%'age allocate	ed to municipal depot/T.S. of stockpiled material		0.00 %	36	0.00 % 36		
\$value allocat	ed to contracted depot/T.S. of stockpiled material	-\$	0.00	37 -\$	0.00 37		
\$value allocat	ed to municipal depot/T.S. of stockpiled material	-\$	0.00	38 -\$	0.00 38		
7 Gross Reside	ntial Depot/T.S. Cost						
		_	2017	_	2016		
Gross Reside	ntial Depot/T.S. Cost	\$	95,343.12	39 \$	86,101.38 39		
GROSS COST							
1 RESIDENTIA	L COLLECTION COST				2017		2016
	Total Contracted Collection Cost: \$						109,761.0
	\$	0.00 2	\$ \$				
Plus Contracted Collection Cost for 2016 Stockpiled Materia					0.00 3	\$	
		•	Subtotal:		0.00 4	\$	109,761.0

Total Municipal Collection C	Cost: \$	92,156.26 <sup>5</sup>	\$ 0.0
Less Municipal Collection Cost for 2017 Stockpiled Mate	erial \$	0.00 6	\$
Plus Municipal Collection Cost for 2016 Stockpiled Material Marke	eted \$	0.00 7	\$
Subtr	otal: \$	92,156.26 8	\$ 0.0
Gross Residential Collection C	Cost: \$	92,156.26 <sup>9</sup>	\$ 109,761.0
2 RESIDENTIAL PROCESSING COST			
Total Contracted Processing C	Cost: \$	808.78 10	\$ 0.0
Less Contracted Processing Cost for 2017 Stockpiled Mat	erial \$	0.00 11	\$
Plus Contracted Processing Cost for 2016 Stockpiled Material Market	eted \$	0.00 12	\$
Subt	otal: \$	808.78 13	\$ 0.0
Total Municipal Processing C	Cost: \$	0.00 14	\$ 0.0
Less Municipal Processing Cost for 2017 Stockpiled Mate	erial \$	0.00 15	\$
Plus Municipal Processing Cost for 2016 Stockpiled Material Marke	eted \$	0.00 16	\$
Subt	otal: \$	0.00 17	\$ 0.0
Gross Residential Processing C	Cost: \$	808.78 18	\$ 0.0
3 RESIDENTIAL DEPOT/TRANSFER COST			
Total Contracted Depot/Transfer C	Cost: \$	0.00 19	\$ 0.0
Less Contracted Depot/Transfer Cost for 2017 Stockpiled Mat	erial \$	0.00 20	\$
Plus Contracted Depot/Transfer Cost for 2016 Stockpiled Material Mark	eted \$	0.00 21	\$
Subt	otal: \$	0.00 22	\$ 0.0
Total Municipal Depot/Transfer C	Cost: \$	95,343.12 23	\$ 86,101.
Less Municipal Depot/Transfer Cost for 2017 Stockpiled Mat	erial \$	0.00 24	\$
Plus Municipal Depot/Transfer Cost for 2016 Stockpiled Material Mark	eted \$	0.00 25	\$
Subt	otal: \$	95,343.12 <sup>26</sup>	\$ 86,101.
Gross Residential Depot/Transfer C	Cost: \$	95,343.12 27	\$ 86,101.3
4 PROMOTION EDUCATION COST			
Administration Staff C	•	0.00 28	\$ 0.0
Total Blue Box Promotion & Education Material Co	osts: \$	1,368.84 <sup>29</sup>	\$ 235.0
5 CALCULATION OF ADMINISTRATION COST			

Municipal Cost:	\$ 188,868.22 <sup>30</sup>	\$ 86,336.4
Interest On Municipal Capital:	\$ 5,449.62 31	\$ 5,231.7
Total Municipal Cost:	\$ 194,317.84 32	\$ 91,568.2
Admin Factor Municipal Cost:	5.00 % 33	5.00 %
Total Contract Cost:	\$ 808.78 34	\$ 109,761.0
Admin Factor Contract Cost:	3.00 % 35	3.00 %
Admin Cost:	\$ 9,740.16 36	\$ 7,871.2
6 TOTAL GROSS RESIDENTIAL COST	\$ 204,866.78 37	\$ 209,200.5

### **REVENUE**

1 REVENUE FROM THE SALE OF RESIDENTIAL BLUEBOX

	2017	2016
Residential Blue Box Sales	\$ 24,664.58 1 \$	7,429.89 1

2 Other Blue Box Revenue Sources

			2017		2016	
	Sales of Blue Boxes, Curbside Contain	ers	\$ 407.10	2	\$ 274.35	2
	Fees and Service Charges		\$ 0.00	3	\$ 0.00	3
	Other		\$ 0.00	4	\$ 0.00	4
	Other		\$ 0.00	5	\$ 0.00	5
		Total Other Blue Box Revenue	\$ 407.10	6	\$ 274.35	6
3	TOTAL OF ALL RESIDENTIAL REVEN	JE .	\$ 25,071.68	7	\$ 7,704.24	7

## 2017 MUNICIPAL DATACALL BLUE BOX SUMMARY RESULTS

SUMMARY RESULTS		TOTAL		Per Household		Per Tonne
Households Serviced by Blue Box Program Tonnes Marketed:		1,944.00 383.03		197.03 kgs		
Gross Cost: Revenue:	\$ \$	204,866.78 25,071.68	\$ \$		\$ \$	534.86 65.46



## **Section 4.3 - Other Recyclables Summary**



## **Other Recyclables Summary**

### **2017 TONNES**

### **2016 TONNES**

GAP?
GAP?

	Collected Curbside	Collected Depot	Marketed	Disposed	Collected Curbside	Collected Depot	Marketed	Disposed
Textiles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Bulky Goods</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Scrap Metal	0.00	62.84	0.00	0.00	0.00	58.05	0.00	0.00
Drywall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Brick &amp; Concrete</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other C&D Recyclables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total:	0.00 <b>GAP?</b>	62.84 <b>GAP?</b>	0.00 <b>GAP?</b>	0.00 <b>GAP?</b>	0.00	58.05	0.00	0.00





# **Section 4.4 - Organics Summary**



## **Organics Summary**

		2017 TONN	IES	2016 TONN	IES
	COLLECTED	Curbside	Depot	Curbside	Depot
GAP?	Yard Waste	0.00	0.00	0.00	0.00
GAP?	Leaves	0.00	0.00	0.00	0.00
GAP?	Christmas Trees	0.00	0.00	0.00	0.00
GAP?	Oversized Yard Waste	0.00	0.00	0.00	0.00
GAP?	Household Organics (Kitchen Waste)	0.00	0.00	0.00	0.00
	Total Residential Organics Collected	0.00 GAP?	0.00 GAP?	0.00	0.00

	OUTPUTS	2017 TONNES	2016 TONNES	
GAP?	Estimated Yard Waste Output: Default at 40%	0.00	0.00	
GAP?	Estimated Yard Waste Residuals Shipped for Disposal: GAP default at 15%	0.00	0.00	
GAP?	Estimated Household Organics Output: Default at 40%	0.00	0.00	
GAP?	Estimated Household Organics Residuals Shipped for Disposal: GAP default at 15%	0.00	0.00	

Other Municipal Sources (e.g.parks,public works,etc.): 0.00 0.00

Organic Input from Other Municipalities: 0.00 0.00

Bulking Agents (e.g. wood chips): 0.00 0.00

Total IC&I Organics: 0.00 0.00

Total Organics Inputs: 0.00 0.00





## Section 4.5 - WEEE Summary



## **WEEE Summary**

		Curbside To	nnes	Depot Ton	nes
		2017	2016	2017	2016
Commingled WEEE					
Commingled WEEE		.00	.00	22.17	19.08
White Goods					
White Goods		.00	.00	.00	.00
Small Appliances		.00	.00	.00	.00
	<b>GAP?</b> Total WEEE	.00	.00	22.17	19.08





# Section 4.6 - Garbage Summary

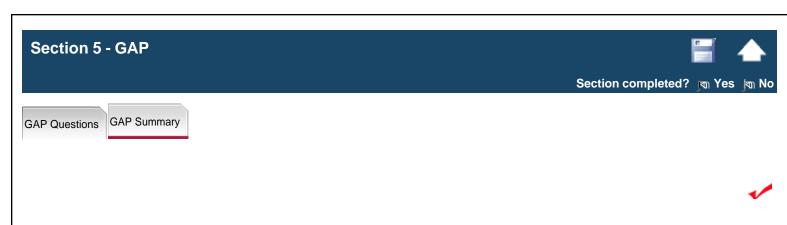


## **GARBAGE COLLECTED (TONNES)**

		Residen	tial	IC&	I	Total		
		2017	2016	2017	2016	2017	2016	
a) From Curbside Collection	GAP?	267.07	286.01	267.07	286.01	534.14	572.02	
b) From Drop-off Depots	GAP?	327.35	341.06	664.62	702.08	991.97	1,043.14	
	Total	594.42	627.07	931.69	988.09	1,526.11	1,615.16	







#### **GAP RESIDENTIAL WASTE FLOW FORM**

**GAP** refers to *generally agreed principles*. GAP has become the term used to identify the process that allows municipalities and subsequently provinces to measure what appropriately is included and excluded in records of waste generation and diversion in any municipality or jurisdiction.

By Completing this year's datacall you will also be completing the **GAP Calculated Percentage of Residential Solid Waste Diverted**This is the number needed in your Municipal Performance Measures Survey Schedule 92 Line 3655

The **GAP Calculated Percentage of Residential Solid Waste Diverted** will only be correct if you **fully report** both sides of the diversion equation for your municipality. Report the total tonnes reused, recycled and composted by your municipality by all households in the municipality as well as the **total tonnes disposed.** These data will be used to calculate the diversion rate for your program.

When you see this symbol **GAP?** beside a question it means that this question needs to be completed in order to have your **GAP Calculated Percentage of Residential Solid Waste Diverted** calculated.

GAP? a) If data is available please provide estimated # of garbarators in the community.

b) Are the biosolids from your wastewater plant incinerated, land applied or disposed in landfill?

incinerated € land applied ₺ disposed in landfills € Not Applicable €

GAP? c) Tonnes distributed for reuse through facilities operated directly by municipality.

Does your municipality provide no-charge disposal of residual waste to reuse organizations operating within the municipality?

↑ Yes in No

The Yes John

GAP? d) Open burning (tonnes) 0.00

GAP? e) Burning in fireplace (tonnes) 0.00

The G

The GAP default for open burning and burning in a fireplace is 0.

The questions listed below have been auto calculated from questions you have answered throughout the datacall. You can see how each

was calculated by viewing the help box information.
GAP? f) Grasscycling (tonnes) 0.00
If you have a verifed number for grasscycling you may enter it here 0.00 instead of using the GAP default value.
GAP? g) Evapotranspiration (tonnes)  0.00  GAP? h) Garburators (tonnes)  0.00
In the next five years, do you believe that your municipality is likely to plan to implement a new program to collect organic kitchen waste or expand a current program to collect such material? † Yes † Yoon't Know
garrent program to concer out material.
CARS TO BE STATE OF THE STATE O
GAP? i) Residential tonnes of beer, wine spirit containers diverted through The Beer Store
GAP? i) Residential tonnes of Passenger Light Truck Tires diverted through the Used Tires Program 27.56
GAP B.5 (MHSW) and B.6 (MHSW)
k) Please provide total tonnes of residential MHSW materials collected 0.00 . Please provide the split of this total MHSW tonnage between:
Event Days 0.00 GAP?
Depot 0.00 GAP?
0.00
GAP C.2 Deposit Containers From MRF
I) What was the tonnage of deposit containers recovered from the residential portion of your recyclables processing from the MRF 0.00 GAP?
GAP C.5 MHSW
m) In question k) you have reported 0.00 total MHSW tonnes. If you have records maintained on the percentage of this total that is recycled
and reused you can enter it below. Otherwise all MHSW material is considered disposed.
Calculated Tonnage
Calculated Tonnage  GAP? Percentage MHSW Recycled 0.00% 0.00
GAP? Percentage MHSW Recycled 0.00% 0.00 GAP? MHSW Tonnes Disposed 0.00
GAP? Percentage MHSW Recycled 0.00% 0.00
GAP? Percentage MHSW Recycled 0.00% 0.00  GAP? Percentage MHSW Reused 0.00% 0.00  GAP? MHSW Tonnes Disposed 0.00  GAP? MHSW Tonnes Disposed 0.00
GAP? Percentage MHSW Recycled 0.00% 0.00  GAP? MHSW Tonnes Disposed 0.00  GAP? Was the bottom ash recycled or disposed?
GAP? Percentage MHSW Recycled  O.00%  O.00  GAP? MHSW Tonnes Disposed  O.00  GAP? Was the bottom ash recycled or disposed?  O.00  GAP?  O.00  GAP?  O.00  O.00  O.00  O.00  O.00  GAP?  O.00
GAP? Percentage MHSW Reused 0.00% 0.00  GAP C.6 Residential Waste Incineration & EFW  n) What was the amount of bottom ash collected through incineration? o) What was the amount of fly ash collected through incineration? p) What was the amount of recyclables recovered through incineration? p) What was the amount of recyclables recovered through incineration?  0.00 GAP?  Was the bottom ash recycled or disposed?  0.00 GAP?  0.00 GAP?
GAP? Percentage MHSW Recycled  O.00%  O.00  GAP? MHSW Tonnes Disposed  O.00  GAP? Was the bottom ash recycled or disposed?  O.00  GAP?  O.00  GAP?  O.00  O.00  O.00  O.00  O.00  GAP?  O.00

## GAP C.7 Deposit Containers From Residential Mixed Waste Processing

r) What was the tonnage of deposit containers recovered from the residential portion of your mixed waste processing?

0.00 **GAP?** 

To learn more about **GAP**, please download the GAP Manual <u>click here</u>.

A.1 Residential On-Property Management	2017
BYC	0.00 SOURCE
Grasscycling	0.00 SOURCE
Evapotranspiration	0.00 SOURCE
Garburators	0.00 SOURCE
Open Burning	0.00 <b>SOURCE</b>
Burning in Fireplace	0.00 <b>SOURCE</b>
B.1 Residential Component Deposit, Return & Stewardship Program	21.38 <b>SOURCE</b>
B.2 Residential Reuse	0.00 <b>SOURCE</b>
B.3 Curbside Residential Recyclables Collection	221.59 <b>SOURCE</b>
B.4 Curbside Residential	
Yard Waste	0.00 <b>SOURCE</b>
Fall Leaves	0.00 <b>SOURCE</b>
X-mas Trees	0.00 SOURCE
Bulky/Oversized Yard Waste	0.00 SOURCE
Household Organics	0.00 <b>SOURCE</b>
B.5 Residential Bulky & Special Waste Collection	
MHSW	0.00 SOURCE
Bulky Goods	0.00 SOURCE
Scrap Metal	0.00 SOURCE
WEEE	0.00 SOURCE
Other	0.00 <b>SOURCE</b>
B.6 Residential Drop Off at Depots	
Garbage	327.35 <b>SOURCE</b>
Recyclables	176.55 <b>SOURCE</b>
Household Organics	0.00 <b>SOURCE</b>

X-mas Trees			0.00 SOURCE	
Leaf & Yard Waste			0.00 <b>SOURCE</b>	
Bulky/Oversized Yard Waste			0.00 <b>SOURCE</b>	
C&D			0.00 <b>SOURCE</b>	
MHSW			0.00 <b>SOURCE</b>	
Bulky Goods			0.00 <b>SOURCE</b>	
Scrap Metal			62.84 <b>SOURCE</b>	
WEEE			22.17 <b>SOURCE</b>	
Other			0.00 <b>SOURCE</b>	
B.7 Curbside Residential Garbage			267.07 <b>SOURCE</b>	
C 2 Decidential Decualables Deceasing				
C.2 Residential Recyclables Processing Processed			494 46 COURCE	
			484.16 <b>SOURCE</b>	
Product Marketed			451.85 <b>SOURCE</b>	
Deposit Containers			0.00 SOURCE	
Residue				
Blue Box		15.11		
Other Recyclables		12.77		
WEEE		4.43		
	Total Residue:		32.31 <b>SOURCE</b>	
C.3 Residential Organics Processing				
Processed			0.00 <b>SOURCE</b>	
Residue			0.00 <b>SOURCE</b>	
C.5 MHSW Treatment				
Processed			0.00 <b>SOURCE</b>	
Recycling			0.00 SOURCE	
Reuse			0.00 SOURCE	
Disposal			0.00 SOURCE	
C.6 Residential Waste Incineration & EFW				
Bottom Ash Disposed			0.00 SOURCE	
Bottom Ash Recycled			0.00 <b>SOURCE</b>	
Fly Ash			0.00 SOURCE	
Recyclables Diverted Non-Ash Residue			0.00 SOURCE	

C.7 Deposit Containers From Residential Mixed Waste Processing  C.8 Residential tonnes, Used Tires Program  27.56 SOURCE  Diversion D.1 Residential Component Deposit, Return & Stewardship Program  21.38 SOURCE  D.2 Residential Reuse  D.3 Residential Reuse  D.4 Residential On-Property Management BYC Grasscycling Evapotranspiration D.5 Residential Recyclables Diverted  D.5 Residential Recyclables Diverted  D.5 Residential Organics Diverted  D.6 MHSW Treatment/Reuse/Recycling  Disposal D.7 Residential EFW Mass Reduction  D.8 Hazardous Waste Disposal  D.9 Landfill of Residential Waste Garbage  594.42 SOURCE
Diversion D.1 Residential Component Deposit, Return & Stewardship Program  21.38 SOURCE  D.2 Residential Reuse  0.00 SOURCE  D.3 Residential On-Property Management BYC Grasscycling Evapotranspiration 0.00 SOURCE D.4 Residential Recyclables Diverted  479.41 SOURCE  D.5 Residential Organics Diverted  0.00 SOURCE  D.6 MHSW Treatment/Reuse/Recycling  Total: 500.79  Disposal D.7 Residential EFW Mass Reduction  0.00 SOURCE  D.8 Hazardous Waste Disposal  0.00 SOURCE  D.9 Landfill of Residential Waste Garbage  594.42 SOURCE
D.1 Residential Component Deposit, Return & Stewardship Program  21.38 SOURCE  D.2 Residential Reuse  0.00 SOURCE  D.3 Residential On-Property Management BYC Grasscycling Evapotranspiration 0.00 SOURCE Evapotranspiration 0.4 Residential Recyclables Diverted 479.41 SOURCE  D.5 Residential Organics Diverted 0.00 SOURCE  D.6 MHSW Treatment/Reuse/Recycling 0.00 SOURCE  Total: 500.79  Disposal D.7 Residential EFW Mass Reduction 0.00 SOURCE  D.8 Hazardous Waste Disposal 0.00 SOURCE  D.9 Landfill of Residential Waste Garbage 594.42 SOURCE
D.2 Residential Reuse  D.3 Residential On-Property Management BYC Grasscycling Evapotranspiration D.4 Residential Recyclables Diverted  D.5 Residential Organics Diverted  D.6 MHSW Treatment/Reuse/Recycling  Total:  Total:  Disposal D.7 Residential EFW Mass Reduction  D.8 Hazardous Waste Disposal  D.9 Landfill of Residential Waste Garbage  594.42 SOURCE
D.3 Residential On-Property Management BYC Grasscycling Evapotranspiration D.4 Residential Recyclables Diverted  D.5 Residential Organics Diverted  D.6 MHSW Treatment/Reuse/Recycling  Total: 500.79  Disposal D.7 Residential EFW Mass Reduction  D.8 Hazardous Waste Disposal  D.9 Landfill of Residential Waste Garbage  594.42 SOURCE
BYC Grasscycling Evapotranspiration D.4 Residential Recyclables Diverted  D.5 Residential Organics Diverted  D.6 MHSW Treatment/Reuse/Recycling  Total:  Total:  500.79  Disposal D.7 Residential EFW Mass Reduction  D.8 Hazardous Waste Disposal  D.9 Landfill of Residential Waste Garbage  594.42 SOURCE
Grasscycling Evapotranspiration  D.4 Residential Recyclables Diverted  D.5 Residential Organics Diverted  D.6 MHSW Treatment/Reuse/Recycling  Total: 500.79  Disposal D.7 Residential EFW Mass Reduction  D.8 Hazardous Waste Disposal  D.9 Landfill of Residential Waste Garbage  594.42 SOURCE
Grasscycling Evapotranspiration D.4 Residential Recyclables Diverted  D.5 Residential Organics Diverted  D.6 MHSW Treatment/Reuse/Recycling  Total: 500.79  Disposal D.7 Residential EFW Mass Reduction D.8 Hazardous Waste Disposal  D.9 Landfill of Residential Waste Garbage  594.42 SOURCE
Evapotranspiration  D.4 Residential Recyclables Diverted  D.5 Residential Organics Diverted  D.6 MHSW Treatment/Reuse/Recycling  Total: 500.79  Disposal D.7 Residential EFW Mass Reduction  D.8 Hazardous Waste Disposal  D.9 Landfill of Residential Waste Garbage  SOURCE  10.00 SOURCE  0.00 SOURCE  0.00 SOURCE  0.00 SOURCE  0.00 SOURCE  0.00 SOURCE
D.4 Residential Recyclables Diverted  D.5 Residential Organics Diverted  D.6 MHSW Treatment/Reuse/Recycling  Total: 500.79  Disposal D.7 Residential EFW Mass Reduction  D.8 Hazardous Waste Disposal  D.9 Landfill of Residential Waste Garbage  479.41 SOURCE  0.00 SOURCE  0.00 SOURCE
D.6 MHSW Treatment/Reuse/Recycling  Total: 500.79  Disposal D.7 Residential EFW Mass Reduction  D.8 Hazardous Waste Disposal  D.9 Landfill of Residential Waste Garbage  594.42 SOURCE
Disposal D.7 Residential EFW Mass Reduction  D.8 Hazardous Waste Disposal  D.9 Landfill of Residential Waste Garbage  594.42 SOURCE
Disposal D.7 Residential EFW Mass Reduction  0.00 SOURCE  D.8 Hazardous Waste Disposal  0.00 SOURCE  D.9 Landfill of Residential Waste Garbage  594.42 SOURCE
D.7 Residential EFW Mass Reduction  0.00 SOURCE  D.8 Hazardous Waste Disposal  0.00 SOURCE  D.9 Landfill of Residential Waste Garbage  594.42 SOURCE
D.7 Residential EFW Mass Reduction  0.00 SOURCE  D.8 Hazardous Waste Disposal  0.00 SOURCE  D.9 Landfill of Residential Waste Garbage  594.42 SOURCE
D.9 Landfill of Residential Waste Garbage 594.42 SOURCE
Garbage 594.42 SOURCE
Garbage 594.42 SOURCE
EFW Ash 0.00 SOURCE
EFW Non-Ash Residue (Rejects) 0.00 SOURCE
Processing Residues 32.31 <b>SOURCE</b>
Bulky goods 0.00 SOURCE
Total: 626.73
Kgs Per Capita Kgs Per Household Total Tonnes
Residential Waste Generated 284.60 2 580.00 1,127.52 SOURCE

Residential Waste Diverted	126.40	257.61	500.79 SOURCE	
Residential Waste Disposal	158.19	322.39	626.73 SOURCE	

Current Diversion Rate 44% SOURCE

RPRA advises against publishing your GAP diversion rate until data verification has been completed and diversion rates have been published by RPRA.

Section completed? | Yes | No

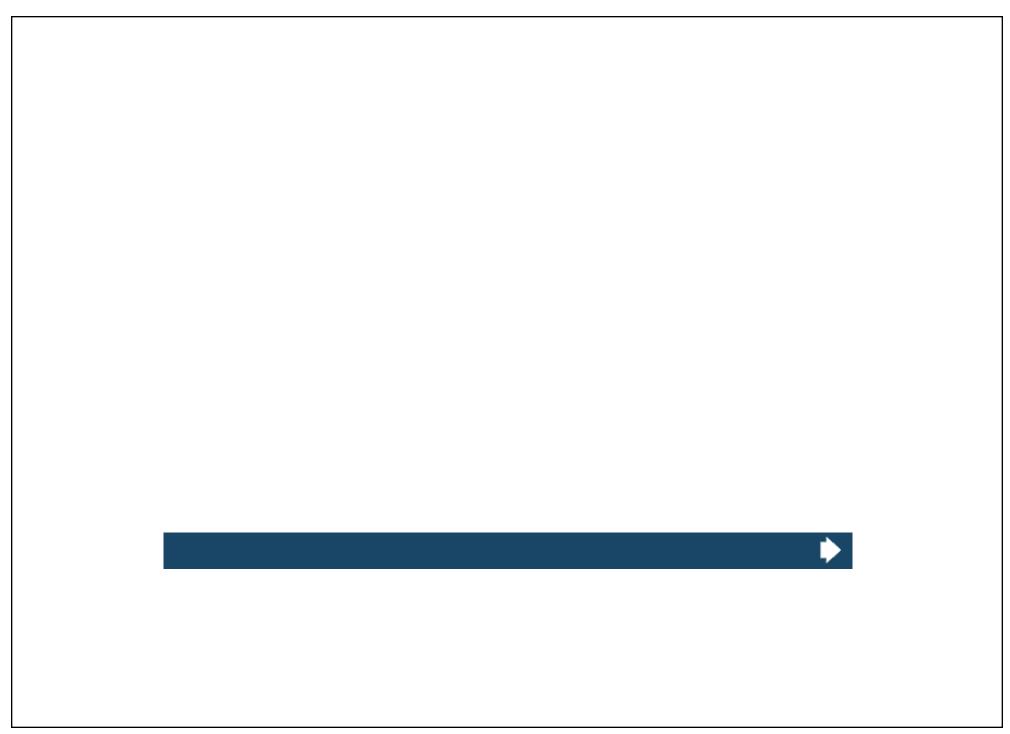


Section completed? | an Yes | an No



# Please provide an explanation if there is a variance of 10% or greater (5% or greater for households and population) in current year data over previous year for any of the following items:

Va	ariance Description	,	2016	2017 Va	ariance %	Variance Explanation
T	otal Revenue	5	7,704.24	25,071.68	225	Total Revenue increased in 2017 as part of the start of a new five-year process contract with HGC Management Inc. Revenue sharing formulae are provided ea in this Datacall. NOTE: Revenue sharing is calculated based on 3 different formulae, and are contingent on monthly values per tonne for each BB material.
	otal Collected WEEE onnes	5	19.08	22.17	16	3.09 more tonnes of WEEE were collected in 2017 than in 2016.
To	otal Collection Costs	5	109,761.08	92,156.26	-16	Total collection costs reduced in 2017 vs 2016, as Progressive Waste Solutions not renewed for contract to conduct curbside collection. Curbside collection as Jan1-17 was conducted using Town staff and infrastructure. New system vs Oldsystem.
	otal Depot/Transfer osts	5	86,101.38	95,343.12	11	Total Depot/Transfer Costs increased in 2017 vs 2016 based on the changes to operational system for Blue Box Curbside and Depot collection. The major increin cost from 2016 to 2017 was the transport (haulage) of all Blue Box materials compaction roll off containers from Dungannon WDS (including all Curbside &
To	otal Blue Box P&E Cost	6	235.05	1,368.84	482	Increase in Blue Box P&E costs in 2017 was related to the changes in the management of Blue Box recycling within the Town. As of Jan01-17, the Town began conducting Curbside recycling services with municipal staff, rather than contracting out to a service provide (prior to 2017 was Progressive Waste



#### **Section 7 - Certification Document**



For allocation of costs and revenues, proof may be required for auditing purposes. This form must be signed by the Clerk Treasurer or CFO/CAO of your municipality as proof of accuracy.

Section 7 must be signed and submitted to Resource Productivity and Recovery Authority by 4:00pm Friday May 4, 2018 by any one of the following:

- · Faxing to 416-226-1368; or
- · Scanning and emailing to datacall@rpra.ca; or
- Adding a digital signature and clicking the "email" button below.

Municipal / Organization Name BANCROFT, TOWN OF 711

Program Code

Municipal	Contact	Information
-----------	---------	-------------

Name Hazel Lambe Ext. Phone 6133327060 Title CAO Fax 6133320384

Department

8 Hastings Heritage Way, PO Box 790, Bancroft, Ontario, K0L 1C0 Address

Email hlambe@bancroft.ca

I, the undersigned, certify that all information included in Sections 1 through 6 are true and accurate.

(Signature)

Name (Please Print)

**Position Held** 

Date

Email

### **Combined Comments**

#### **GENERAL COMMENTS**

"Enter any additional comments about the information entered in this section - 2.1"

The number of IC&I users at the Dungannon WDS Depot is undetermined. However, based on Town records, 484 IC&I vehicles utilized the depot of the disposal or waste, 372 IC&I vehicles utilized the depot for Blue Box recycling, and 100 IC&I vehicles utilized the site for bulk recyclables diversion in 2017.

All IC&I users with the Town of Bancroft were serviced by Curbside Collection of garbage and Blue Box recycling in 2017.

#### **GENERAL COMMENTS**

"Enter any additional comments about the information entered in this section - 2.3"

P&E materials prepared and distributed to the public in 2017 focused on the changes to the Blue Box recycling program that commenced on Jan01-17, with a particular focus on Curbside Collection activities. As of Jan01-17, the Town of Bancroft commenced with the completion of Curbside Collection operations with Town staff, as opposed to previous years when it was completed under contract by Progressive Waste Solutions. New sorting requirements for Blue Box materials were also a focus item.

#### **BANCROFT, TOWN OF - Contract Details**

"Enter any additional comments about the information entered in this section."

New five (5) year contact with HGC Management Inc. commenced on January 1, 2017 for Blue Box recycling processing services only.

Haulage services for Town of Bancroft completed by Highlands Service, in Bancroft, ON.

Town of Bancroft staff conduct all Curbside and Depot services within the Town.

2017 was the first year of the Town of Bancroft's new curbside and depot Blue Box recycling operational system, after instituting the Municipal Blue Box Recycling Optimization Project.

#### BANCROFT, TOWN OF - Blue Box Tonnes - Materials Collected

"Enter any additional comments about the information entered in this section."

As of January 1, 2017, the Town of Bancroft completes all Curbside and Depot Blue Box recycling services. Curbside Blue Box recycling is collected in a compaction truck (60%/40% split) for Mixed Fibres and Commingled Containers (1 truck), while another 80%/20% compaction truck completes curbside Garbage and Old Corrugated Cardboard. Blue Box recycling is then transported to Dungannon WDS for compaction in one of 3 new stationary compactors (mixed fibres/commingled containers/OCC). When compaction rolloff containers are full, they are transported by Highlands Service to HGC Management Inc. for processing and market.

BANCROFT, TOWN OF - Blue Box Tonnes - Tonnes and Material Revenue

"If % sharing does not fully describe your revenue sharing arrangement, please provide a detailed description."

Mixed Fibres Revenue Sharing = (total weight) x ((CSR mixed paper-ONP#6 monthly average) - \$70)

Commingled Containers Revenue Sharing = (total weight) x ((CSR container composite index monthly average) - \$180)

OCC Revenue Sharing = (total weight) x ((CSR OCC monthly average) - \$75)

"Enter any additional comments about the information entered in this section."

Increase in Blue Box recycling revenues in 2017 related to new 5-year contract with HGC Management Inc for processing of Blue Box recyclables.

Revenue sharing model is described above.

#### BANCROFT, TOWN OF - Blue Box Tonnes - Program Information

"Enter any additional comments about the information entered in this section."

The Depot (transfer station) for the Town of Bancroft is located at the Dungannon Waste Disposal Site.

#### BANCROFT, TOWN OF - Blue Box Cost - Collection

"Provide ... information explaining why your collection costs may be higher or lower ..."

Blue Box Recycling Curbside Schedule = Tues (Res - Dungannon Ward), Wed (Res - Bancroft Ward), Thru (IC&I - Bancroft Ward)

Garbage & OCC Curbside Schedule = Mon (IC&I), Tues (Res - Dungannon Ward), Wed (Res - Bancroft Ward), Thur (IC&I - Bancroft Ward)

## BANCROPT, TOWN OF - Blue Box Cost - Depot/Transfer

"Provide ... explanation of why your depot collection / transfer costs may be higher or lower ..."

2017 was the first year of the new Blue Box recycling system for the Town of Bancroft.

All curbside-collected blue box materials are transported by the Town to the Dungannon WDS and deposited into the 3x stationary compactors (one each for MF, CC, and OCC). Depot related Blue Box materials are deposited in the stationary compactors by ratepayers.

Compaction rolloff containers are transported by Highlands Service to HGC Management Inc. for processing and market.

#### BANCROFT, TOWN OF - Blue Box Cost - Other Revenue

"Enter any additional comments about the information entered in this section."

In 2017, the Town of Bancroft sold 46 Blue Boxes at \$8.85 each, for a total of \$407.10 in revenue.

#### Non Blue Box - Other Recyclables

"Enter any additional comments about the information entered in this section."

Other = Automotive Plastics

Total Automotive Plastics = 1.06 tonnes

### Non Bive Box - Organics - Tonnes IC&I (5%) = 0.05 tonnes

"Estevice)PedditionalPrommentsrebout the information entered in this section."

Organics collection is not currently part of Town of Bancroft's waste and recycling services.

#### Non Blue Box - WEEE

"Enter any additional comments about the information entered in this section."

Total WEEE Tonnes (2017) = 22.17 tonnes

Residential WEEE Tonnes (2017) = 21.06 tonnes

## Non Blue Box - Garbage (2017) = 1.11 tonnes

"Enter any additional comments about the information entered in this section."

Conversion Rates (m3 to tonnes):

Municipal Solid Waste (bagged garbage) = m3 x 0.415 = tonnes (per US EPA - compacted mixed MSW - residential & IC&I 700 lbs per cubic yard)

C&D Waste =  $m3 \times 0.475 = tonnes$  (per Govt of California - construction debris (wood) = 800 lbs per cubic yard for compacted with heavy equipment)

Bulky waste = same as C&D waste

# Appendix G



#### Statement of Service Conditions and Limitations

#### **Provision of Services and Payment**

Upon documented acceptance of Greenview's proposed services, costs and associated terms by the client, Greenview may commence work on the proposed services directly. Upon retention of Greenview's services related to this project, the client agrees to remit payment for the services rendered for the specified period within (30) days of receipt as invoiced by Greenview on a typical monthly basis, unless otherwise arranged between the client and Greenview. In the event of non-payment by the client, Greenview reserves the right, without external influence or expense, to discontinue services and retain any documentation, data, reports, or other project information until such time as payment is received by Greenview.

#### Warranty, Limitations, and Reliance

Greenview relies on background and historical information from the client to determine the appropriate scope of services to meet the client's objectives, in accordance with applicable legislation, guidelines, industry practices, and accepted methodologies.

Greenview provides its services under the specific terms and conditions of a specific proposal (and where necessary formal contract), in accordance with the above requirements and the *Limitations Act 2002*, as amended, only.

The hypotheses, results, conclusions, and recommendations presented in documentation authored by Greenview are founded on the information provided by the client to Greenview in preparation for the work. Facts, conditions, and circumstances discovered by Greenview during the performance of the work requested by the client are assumed by Greenview to be part of preparatory information provided by the client as part of the proposal stage of the project. Greenview assumes that, until notified or discovered otherwise, that the information provided by, or obtained by Greenview from, the client is factual, accurate, and represents a true depiction of the circumstances that exist related to the time of the work.

Greenview relies on its clients to inform Greenview if there are changes to any related information to the work. Greenview does not review, analyze or attempt to verify the accuracy or completeness of the information or materials provided, or circumstances encountered, other than in accordance with applicable accepted industry practice. Greenview will not be responsible for matters arising from incomplete, incorrect or misleading information or from facts or circumstances that are not fully disclosed to or that are concealed from Greenview during the period that services, work, or documentation preparation was performed by Greenview.

Facts, conditions, information and circumstances may vary with time and locations and Greenview's work is based on a review of such matters as they existed at the particular time and location indicated in its documentation. No assurance is made by Greenview that the facts, conditions, information, circumstances or any underlying assumptions made by Greenview in connection with the work performed will not change after the work is completed and documentation is submitted. If any such changes occur or additional information is obtained, Greenview should be advised and requested to consider if the changes or additional information affect its findings or results.

When preparing documentation, Greenview considers applicable legislation, regulations, governmental guidelines and policies to the extent they are within its knowledge, but Greenview is not

qualified to advise with respect to legal matters. The presentation of information regarding applicable legislation, regulations, not intended to and should not be interpreted as constituting a legal opinion concerning the work completed or conditions outlined in a report. All legal matters should be reviewed and considered by an appropriately qualified legal practitioner.

Greenview's services, work and reports are provided solely for the exclusive use of the client which has retained the services of Greenview and to which its reports are addressed. Greenview is not responsible for the use of its services, work or reports by any other party, or for the reliance on, or for any decision which is made by any party using the services or work performed by or a report prepared by Greenview without Greenview's express written consent. Any party that uses, relies on, or makes a decision based on services or work performed by Greenview or a report prepared by Greenview without Greenview's express written consent, does so at its own risk. Except as set out herein, Greenview specifically disclaims any liability or responsibility to any third party for any loss, damage, expense, fine, penalty or other such thing which may arise or result from the use of, reliance on or decision based on any information, recommendation or other matter arising from the services, work or reports provided by Greenview.

#### Site Reviews and Assessments

A site assessment is created using data and information collected during the investigation of a site and based on conditions encountered at the time and particular locations at which fieldwork is conducted. The information, sample results and data collected represent the conditions only at the specific times at which and at those specific locations from which the information, samples and data were obtained and the information, sample results and data may vary at other locations and times. To the extent that Greenview's work or report considers any locations or times other than those from which information, sample results and data were specifically received, the work or report is based on a reasonable extrapolation from such information, sample results and data but the actual conditions encountered may vary from those based on extrapolations.

Only conditions, and substances, at the site and locations chosen for study by the client are evaluated; no adjacent or other properties are evaluated unless specifically requested by the client. Any physical or other aspects of the site that were not chosen for study by the client, or any other matter not specifically addressed in a report prepared by Greenview, are beyond the scope of the work performed by Greenview and such matters have not been investigated or addressed.

#### Confidentiality

Greenview provides proposals, reports, assessments, designs, and any other work for the sole party identified as the client or potential client in the case of proposals.

For proposals specifically, the information contained therein is confidential, proprietary information, and shall not be reproduced or disclosed to any other party than to that of the addressee of the original proposal submission, without prior written permission of Greenview.