

Addendum #1

Request for Proposals Blue Box Plastics Recycling Enhancement Initiative

Stewardship Ontario
and
Waste Diversion Ontario's Continuous Improvement Fund

February 9, 2009

This first addendum provides two items of clarification to the information provided in the Request for Proposals (RFP) for the Blue Box Plastics Recycling Enhancement Initiative relating to estimates of generation of plastics.

As noted in Section 1.4 of the RFP, the deadline for submission of written questions of clarification was Friday, February 6 and the deadline for Stewardship Ontario's issuance of addenda is February 20, 2009. The closing date for the RFP is March 5, 2009.

Item #1 Table 1 – 2007 Blue Box Plastics Generation in Ontario by Region and
Table 2 – 2007 Blue Box Plastics Recycling in Ontario by Region

Correction – It was noted that the numbers in the “East”, “West” and “Central” columns of Tables 1 and 2 in the original RFP were transposed, i.e. for both generation and recovery data. The corrected tables are presented below as Table 1 (rev) and Table 2 (rev) respectively.

The figures in the tables also have been updated to reflect the most current data available.

Table 1 (rev) – 2007 Blue Box Plastics Generation in Ontario by Region⁽¹⁾

	Central (tonnes)	East (tonnes)	West (tonnes)	North (tonnes)	Total (tonnes)
PET Beverage Bottles	22,980	6,767	7,406	2,663	39,816
PET Other Bottles & Jars	4,629	1,387	1,500	552	8,068
PET Other Packaging	3,361	1,020	1,116	411	5,907
HDPE Beverage Bottles	2,662	757	845	277	4,542
HDPE Other Bottles & Jugs	12,386	3,650	4,047	1,401	21,483
PVC Bottles & Jars	711	213	227	86	1,237
Other Bottles, Jars & Jugs Total	3,052	927	1,000	377	5,357
Polystyrene Packaging	12,660	3,550	3,977	1,256	21,443
Wide Mouth Tubs & Lids	7,032	2,103	2,308	822	12,266
Large HDPE & PP Pails & Lids	2,606	752	823	283	4,464
Polyethylene PE Plastic Bags & Film – Packaging	35,698	9,961	10,890	3,585	60,134
Laminated/Other Plastic Bags & Film	15,199	4,665	4,978	1,914	26,755
Other Rigid Plastic Packaging	11,704	3,561	3,815	1,446	20,526
All Plastics	134,681	39,314	42,931	15,072	231,998

Table 2 (rev) – 2007 Blue Box Plastics Recycling in Ontario by Region⁽¹⁾

	Central (tonnes)	East (tonnes)	West (tonnes)	North (tonnes)	Total (tonnes)
PET	12,177	3,389	4,040	1,111	20,717
HDPE	7,094	1,768	2,016	573	11,451
FILM	2,993	567	255	230	4,045
TUBS	1,139	436	368	45	1,989
PS	114	105	6	33	257
MIXED	3,528	1,033	968	914	6,443
Commingled	5,051	1,679	1,098	472	8,300
TOTAL	32,095	8,976	8,751	3,379	53,201

Table 1 and 2 Notes:

1. East includes municipalities east of the Counties of Hastings and Renfrew; Central includes municipalities around the Golden Horseshoe, including all municipalities within the Greater Toronto Area and bounded on the north by the Counties of Parry Sound and Nipissing; West includes municipalities of Wellington and those to the west; and North includes Parry Sound, Nipissing and all municipalities further north.

Item #2 – Additional detail regarding Blue Box plastics generation estimates

In order to support potential respondents to the RFP in their efforts to identify the quantity and composition of Blue Box plastics that may be available in major curbside recycling programs in Ontario, Stewardship Ontario has prepared generation estimates for Blue Box plastics materials for 2007 from areas served by the 20 largest programs in the province. The estimates are presented in Table 3 below. These estimates are based on an extensive series of waste composition studies completed throughout the province in 2005, 2006 and 2007 through Stewardship Ontario's Effectiveness and Efficiency Fund. **While these estimates represent the most up-to-date data and analysis of Blue Box plastics material available in some of the largest municipalities in the province, interested parties should be aware that these are estimates only and that Blue Box plastic composition changes over time.**

Table 3 – Estimated Generation of Blue Box Plastics in 2007 by Major Program and Material Type

MUNICIPALITY	PET Bottles (tonnes)	PET Other Packaging (tonnes)	HDPE Bottles (tonnes)	PVC Bottles & Jars (tonnes)	Other Bottles, Jars & Jugs (tonnes)	PS (tonnes)	Wide Mouth Tubs & Lids (tonnes)	Large HDPE & PP Pails & Lids (tonnes)	Polyethylene Plastic Bags & Film – Packaging (tonnes)	Laminated Plastic Bags & Film (tonnes)	Other Rigid Plastic Packaging (tonnes)
TORONTO, CITY OF	9,442	1,110	5,086	250	1,030	4,461	2,362	919	13,117	5,169	4,000
NIAGARA, REGIONAL MUNI. OF	1,898	243	989	51	222	740	485	167	2,114	1,127	853
YORK, REGIONAL MUNI. OF	2,778	337	1,548	69	300	1,325	709	264	3,624	1,468	1,138
PEEL, REGIONAL MUNI. OF	3,578	434	1,993	89	387	1,707	914	340	4,673	1,892	1,467
HAMILTON, CITY OF	1,934	234	1,076	48	209	922	493	184	2,532	1,024	794
DURHAM, REGIONAL MUNI. OF	1,973	242	1,114	47	212	945	508	185	2,509	1,028	798
HALTON, REGIONAL MUNI. OF	1,562	191	876	38	168	747	401	147	2,010	819	636
SIMCOE, COUNTY OF	1,210	156	642	33	144	485	317	109	1,379	740	558
BARRIE, CITY OF	459	56	257	11	49	219	118	43	592	241	187
MUSKOKA, DISTRICT MUNI. OF	312	40	165	9	37	126	82	28	354	191	143
NORTHUMBERLAND, COUNTY OF	400	52	215	11	48	164	107	37	464	250	188
CENTRAL TOTAL	25,546	3,096	13,961	655	2,808	11,841	6,496	2,422	33,367	13,951	10,762
% OF CENTRAL REGION	93%	92%	93%	92%	92%	94%	92%	93%	93%	92%	92%
OTTAWA, CITY OF	3,378	407	1,870	85	366	1,609	859	322	4,463	1,798	1,393
QUINTE WASTE SOLUTIONS	689	90	368	19	82	279	183	62	793	426	321
PETERBOROUGH, CITY OF	337	42	172	9	39	127	84	29	366	194	147
KINGSTON, CITY OF	466	56	259	12	50	222	119	44	609	247	191
EAST TOTAL	4,869	596	2,670	124	537	2,237	1,245	458	6,231	2,664	2,053
% OF EASTERN REGION	60%	58%	61%	58%	58%	63%	59%	61%	63%	57%	58%
GREATER SUDBURY, CITY OF	679	86	351	18	79	262	172	59	749	399	302
NORTH TOTAL	679	86	351	18	79	262	172	59	749	399	302
% OF NORTHERN REGION	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%
WATERLOO, REGIONAL MUNI. OF	1,871	232	1,068	44	200	899	485	174	2,325	963	748
LONDON, CITY OF	1,486	179	822	37	161	707	378	142	1,966	791	613
ESSEX-WINDSOR SOLID WASTE	1,463	179	823	35	157	700	376	138	1,871	765	593
BLUEWATER RECYCLING ASSOC.	736	96	396	20	89	301	197	67	854	459	346
WEST TOTAL	5,555	687	3,109	137	607	2,607	1,436	521	7,015	2,978	2,300
% OF WESTERN REGION	62%	62%	64%	60%	61%	66%	62%	63%	64%	60%	60%
TOP 20 TOTAL	36,649	4,464	20,091	934	4,031	16,947	9,348	3,460	47,363	19,992	15,417
ONTARIO TOTAL	47,884	5,907	26,025	1,237	5,357	21,443	12,266	4,464	60,134	26,755	20,526
PERCENTAGE OF TOTAL	77%	76%	77%	76%	75%	79%	76%	78%	79%	75%	75%

Methodological Notes to Table 3:

1. Estimates are based on composition audits in single- and multi-family households conducted in 19 Ontario municipalities, and covering large urban, small urban and rural areas and single-family, multi-family households and seasonal homes.
2. The figures are developed using the composition and generation data for each household type from the audits together with the demographic information from each municipality.

Stewardship Ontario also has converted the Blue Box plastics generation estimates in Table 3 into average per-household generation rates, presented in Table 4.

Table 4 - Estimated Per-Household Plastics Generation in Ontario

Material	Estimated Province-Wide Generation⁽¹⁾ (kg/hhld/year)
PET Bottles	9.505
PET Other Packaging	1.173
HDPE Bottles	5.166
PVC Bottles & Jars	0.246
Other Bottles, Jars & Jugs	1.063
Polystyrene Packaging	4.256
Wide Mouth Tubs & Lids	2.435
Large HDPE & PP Pails & Lids	0.886
Polyethylene PE Plastic Bags & Film - Packaging	11.936
Laminated Plastic Bags & Film	5.311
Other Rigid Plastic Packaging	4.074
Total	46.050

Methodological Notes to Table 4:

1. Estimates are based on a weighted average of the generation data according to housing type in Ontario.

As noted in Section 2.4 of the RFP, interested parties are advised to consult Waste Diversion Ontario's Blue Box Datacall results posted on the WDO website (www.wdo.ca) for historic and municipality-specific annual data for Blue Box material RECOVERY information – i.e. information on Blue Box plastics that are collected and marketed by each program in the province.