

**Table 1: Generation and Recovery (full-year obligation)**

*Cells with red print represent input cells*

Category	Material	2002					
		Quantity Generated	%'age of Generated	Quantity Recovered	Recovery Rate	Quantity to Disposal	% of Total to Disposal
		(tonnes)		(tonnes)		(tonnes)	
<b>PRINTED PAPER</b>							
	Newsprint	521,800	33.06%	366,733	70.28%	155,067	18.2%
	Magazines and Catalogues	61,000	3.86%	15,076	24.71%	45,924	5.4%
	Telephone Books	14,800	0.94%	6,461	43.66%	8,339	1.0%
	Other Printed Paper	134,400	8.51%	21,485	15.99%	112,915	13.3%
	<b>Printed Paper Total</b>	<b>732,000</b>	<b>46.37%</b>	<b>409,754</b>	<b>55.98%</b>	<b>322,246</b>	<b>37.84%</b>
<b>PACKAGING</b>							
<b>Paper Based Packaging</b>	Old Corrugated Containers	137,300	8.70%	87,705	63.88%	49,595	5.8%
	Gabletop	13,400	0.85%	1,017	7.59%	12,383	1.5%
	Paper Laminants	45,300	2.87%	449	0.99%	44,851	5.3%
	Aseptic Containers	2,900	0.18%	223	7.69%	2,677	0.3%
	Old Boxboard	133,400	8.45%	45,585	34.17%	87,815	10.3%
	<b>Paper Packaging Total</b>	<b>332,300</b>	<b>21.05%</b>	<b>134,980</b>	<b>40.62%</b>	<b>197,320</b>	<b>23.17%</b>
<b>Plastic Packaging</b>	PET bottles	37,500	2.38%	15,898	42.39%	21,602	2.5%
	HDPE bottles	24,900	1.58%	8,964	36.00%	15,936	1.9%
	Plastic Film	56,000	3.55%	2,702	4.82%	53,298	6.3%
	Plastic Laminants	65,500	4.15%	2,432	3.71%	63,068	7.4%
	Polystyrene	22,100	1.40%	886	4.01%	21,214	2.5%
	Other Plastics	32,700	2.07%	1,047	3.20%	31,653	3.7%
	<b>Plastics Total</b>	<b>238,700</b>	<b>15.12%</b>	<b>31,928</b>	<b>13.38%</b>	<b>206,772</b>	<b>24.28%</b>
<b>Steel Packaging</b>	Food & Beverage Cans	59,700	3.78%	31,278	52.39%	28,422	3.3%
	Aerosols	4,600	0.29%	1,035	22.50%	3,565	0.4%
	Paint Cans	4,800	0.30%	1,158	24.13%	3,642	0.4%
	<b>Steel Total</b>	<b>69,100</b>	<b>4.38%</b>	<b>33,472</b>	<b>48.44%</b>	<b>35,628</b>	<b>4.18%</b>
<b>Aluminum Packaging</b>	Aluminum Cans	25,000	1.58%	10,476	41.91%	14,524	1.7%
	Aluminum Foil	2,000	0.13%	300	15.00%	1,700	0.2%
	<b>Aluminum Total</b>	<b>27,000</b>	<b>1.71%</b>	<b>10,776</b>	<b>39.91%</b>	<b>16,224</b>	<b>1.91%</b>
<b>Glass</b>	Food and Beverage - Flint	74,100	4.69%	39,976	53.95%	34,124	4.0%
	Food and Beverage - Coloured	20,500	1.30%	9,565	46.66%	10,935	1.3%
	LCBO - Flint	26,700	1.69%	19,637	73.55%	7,063	0.8%
	LCBO - Coloured	58,100	3.68%	36,919	63.54%	21,181	2.5%
	<b>Glass Total</b>	<b>179,400</b>	<b>11.37%</b>	<b>106,097</b>	<b>59.14%</b>	<b>73,303</b>	<b>8.61%</b>
<b>PACKAGING TOTAL</b>		<b>846,500</b>	<b>53.63%</b>	<b>317,253</b>	<b>37.48%</b>	<b>529,247</b>	<b>62.52%</b>
<b>TOTALS</b>		<b>1,578,500</b>	<b>100.00%</b>	<b>727,007</b>	<b>46.06%</b>	<b>851,493</b>	<b>100.00%</b>

**Table 2: Gross and Net Costs (full-year obligation)**

Cells with red print represent input cells

Category	Material	Quantity Recovered	Gross Cost		Revenues		Net Cost of Current System				Net Cost to Achieve 75% Diversion Rate				
			Per Tonne	Total Cost	Per Tonne	Total Revenue	Per Tonne	Total Net Cost	%age of Total Net \$	%age of Printed Cost	%age of Pkg Cost	Cost to Manage Rest to 75%	%age Cost of Tonnes to 75%	%age of Printed Cost	%age of Pkg Cost
<b>PRINTED PAPER</b>															
Printed Paper	Newsprint	366,733	\$ 90.00	\$ 33,005,956	\$ 83.85	\$ 30,751,888	\$ 6.15	\$ 2,254,068	2.68%	46.60%		\$ 151,306	0.07%	1.73%	
	Magazines and Catalogues	15,076	\$ 90.00	\$ 1,356,823	\$ 83.85	\$ 1,264,161	\$ 6.15	\$ 92,661	0.11%	1.92%		\$ 188,534	0.08%	2.15%	
	Telephone Books	6,461	\$ 124.00	\$ 801,171	\$ 83.85	\$ 541,783	\$ 40.15	\$ 259,388	0.31%	5.36%		\$ 186,236	0.08%	2.13%	
	Other Printed Paper	21,485	\$ 159.00	\$ 3,416,040	\$ 55.18	\$ 1,185,428	\$ 103.82	\$ 2,230,612	2.65%	46.12%		\$ 8,234,859	3.59%	94.00%	
<b>Printed Paper Total</b>		<b>409,754</b>	<b>\$ 94.20</b>	<b>\$ 38,579,990</b>	<b>\$ 82.35</b>	<b>\$ 33,743,261</b>	<b>\$ 11.80</b>	<b>\$ 4,836,729</b>	<b>5.75%</b>	<b>100.00%</b>		<b>\$ 8,760,935</b>	<b>3.82%</b>	<b>100.00%</b>	
<b>PACKAGING</b>															
Paper Based	Old Corrugated Containers	87,705	\$ 372.00	\$ 32,626,405	\$ 68.24	\$ 5,984,761	\$ 303.76	\$ 26,641,644	31.70%		33.63%	\$ 4,638,341	2.02%	2.10%	
Packaging	Gabletop Cartons	1,017	\$ 728.00	\$ 740,367	\$ 57.02	\$ 57,989	\$ 670.98	\$ 682,378	0.81%		0.86%	\$ 6,060,969	2.64%	2.75%	
	Paper Laminants	449	\$ 340.00	\$ 152,729	\$ -	\$ -	\$ 340.00	\$ 152,729	0.18%		0.19%	\$ 11,398,771	4.97%	5.17%	
	Aseptic Containers	223	\$ 728.00	\$ 162,389	\$ 57.02	\$ 12,719	\$ 670.98	\$ 149,670	0.18%		0.19%	\$ 1,309,711	0.57%	0.59%	
	Old Boxboard	45,585	\$ 340.00	\$ 15,498,941	\$ 44.16	\$ 2,012,888	\$ 295.84	\$ 13,486,053	16.05%		17.03%	\$ 16,113,070	7.02%	7.30%	
<b>Paper Pack'g Total</b>		<b>134,980</b>	<b>\$ 364.40</b>	<b>\$ 49,180,832</b>	<b>\$ 59.77</b>	<b>\$ 8,068,357</b>	<b>\$ 304.58</b>	<b>\$ 41,112,475</b>	<b>48.92%</b>		<b>51.90%</b>	<b>\$ 39,520,862</b>	<b>17.23%</b>	<b>17.91%</b>	
Plastic Packaging	PET bottles	15,898	\$ 930.00	\$ 14,784,741	\$ 228.96	\$ 3,639,873	\$ 701.04	\$ 11,144,868	13.26%		14.07%	\$ 8,571,943	3.74%	3.88%	
	HDPE bottles	8,964	\$ 877.00	\$ 7,861,017	\$ 241.24	\$ 2,162,354	\$ 635.76	\$ 5,698,663	6.78%		7.19%	\$ 6,174,172	2.69%	2.80%	
	Plastic Film	2,702	\$ 1,338.00	\$ 3,614,834	\$ 7.02	\$ 18,960	\$ 1,330.98	\$ 3,595,874	4.28%		4.54%	\$ 52,305,375	22.80%	23.70%	
	Plastic Laminants	2,432	\$ 1,338.00	\$ 3,253,921	\$ -	\$ -	\$ 1,338.00	\$ 3,253,921	3.87%		4.11%	\$ 62,475,329	27.23%	28.31%	
	Polystyrene	886	\$ 1,613.00	\$ 1,429,887	\$ 88.60	\$ 78,542	\$ 1,524.40	\$ 1,351,345	1.61%		1.71%	\$ 23,915,576	10.42%	10.84%	
	Other Plastics	1,047	\$ 866.00	\$ 906,682	\$ 1.75	\$ 1,837	\$ 864.25	\$ 904,845	1.08%		1.14%	\$ 20,290,777	8.84%	9.20%	
<b>Plastics Total</b>		<b>31,928</b>	<b>\$ 997.60</b>	<b>\$ 31,851,083</b>	<b>\$ 184.84</b>	<b>\$ 5,901,566</b>	<b>\$ 812.75</b>	<b>\$ 25,949,517</b>	<b>30.87%</b>		<b>32.76%</b>	<b>\$ 173,733,173</b>	<b>75.72%</b>	<b>78.73%</b>	
Steel Packaging	Food and Beverage	31,278	\$ 240.00	\$ 7,506,768	\$ 49.13	\$ 1,536,543	\$ 190.87	\$ 5,970,225	7.10%		7.54%	\$ 2,576,201	1.12%	1.17%	
	Aerosols	1,035	\$ 240.00	\$ 248,451	\$ 49.13	\$ 50,855	\$ 190.87	\$ 197,596	0.24%		0.25%	\$ 460,922	0.20%	0.21%	
	Paint Cans	1,158	\$ 240.00	\$ 278,028	\$ 49.13	\$ 56,909	\$ 190.87	\$ 221,119	0.26%		0.28%	\$ 466,030	0.20%	0.21%	
<b>Steel Total</b>		<b>33,472</b>	<b>\$ 240.00</b>	<b>\$ 8,033,247</b>	<b>\$ 49.13</b>	<b>\$ 1,644,307</b>	<b>\$ 190.87</b>	<b>\$ 6,388,940</b>	<b>7.60%</b>		<b>8.07%</b>	<b>\$ 3,503,154</b>	<b>1.53%</b>	<b>1.59%</b>	
Aluminum Packaging	Aluminum Cans	10,476	\$ 733.00	\$ 7,679,253	\$ 1,552.70	\$ 16,266,840	\$ (819.70)	\$ (8,587,587)	-10.22%		-10.84%	\$ (6,781,832)	0.00%	0.00%	
	Aluminum Foil	300	\$ 733.00	\$ 219,900	\$ 1,552.70	\$ 465,811	\$ (819.70)	\$ (245,911)	-0.29%		-0.31%	\$ (983,643)	0.00%	0.00%	
<b>Aluminum Total</b>		<b>10,776</b>	<b>\$ 733.00</b>	<b>\$ 7,899,153</b>	<b>\$ 1,552.70</b>	<b>\$ 16,732,651</b>	<b>\$ (819.70)</b>	<b>\$ (8,833,498)</b>	<b>-10.51%</b>		<b>-11.15%</b>	<b>\$ (7,765,475)</b>	<b>0.00%</b>	<b>0.00%</b>	
Glass Packaging	Food and Beverage - Flint	39,976	\$ 144.00	\$ 5,756,480	\$ 6.01	\$ 240,216	\$ 137.99	\$ 5,516,264	6.56%		6.96%	\$ 2,152,582	0.94%	0.98%	
	Food and Beverage - Coloured	9,565	\$ 137.00	\$ 1,310,390	\$ -	\$ -	\$ 137.00	\$ 1,310,390	1.56%		1.65%	\$ 795,985	0.35%	0.36%	
LCBO Glass	LCBO - Flint	19,637	\$ 144.00	\$ 2,827,778	\$ 6.01	\$ 118,002	\$ 137.99	\$ 2,709,776	3.22%		3.42%	\$ 53,492	0.02%	0.02%	
	LCBO - Coloured	36,919	\$ 137.00	\$ 5,057,901	\$ -	\$ -	\$ 137.00	\$ 5,057,901	6.02%		6.39%	\$ 911,874	0.40%	0.41%	
<b>Glass Total</b>		<b>106,097</b>	<b>\$ 140.90</b>	<b>\$ 14,952,549</b>	<b>\$ 3.38</b>	<b>\$ 358,218</b>	<b>\$ 137.56</b>	<b>\$ 14,594,331</b>	<b>17.36%</b>		<b>18.42%</b>	<b>\$ 3,913,934</b>	<b>1.71%</b>	<b>1.77%</b>	
<b>PACKAGING TOTAL</b>		<b>317,253</b>	<b>\$ 352.80</b>	<b>\$ 111,916,864</b>	<b>\$ 103.09</b>	<b>\$ 32,705,099</b>	<b>\$ 249.68</b>	<b>\$ 79,211,765</b>	<b>94.25%</b>		<b>100.00%</b>	<b>\$ 212,905,648</b>			
<b>TOTALS</b>		<b>727,007</b>	<b>\$ 207.00</b>	<b>\$ 150,496,853</b>	<b>\$ 91.40</b>	<b>\$ 66,448,360</b>	<b>\$ 115.61</b>	<b>\$ 84,048,493</b>	<b>100.00%</b>			<b>\$ 221,666,583</b>	<b>100.00%</b>	<b>100.00%</b>	
								<b>Industry Allocation</b>	<b>\$ 42,024,247</b>						

**Table 3: Fee Schedule By Material Type  
(full-year obligation)**

**Base Fees**

*Cells with red print represent input cells*

Category	Material	Recovery Rate Factor (1)			Net Cost Factor			Equalization Factor			Combined Base Allocated Fees	Base Fee Total Fee/Tonne Generated	Fee to Net Cost Ratio
		100% minus Recovery Rate	Recovery Rate Allocated Fee	Rec. Rate Allocated Fee/Tonne Generated	Net Cost	Net Cost Allocated Fee	Net Cost Allocated Fee/Tonne Generated	Percentage of Costs at 75% Recovery Rate	Equalization Allocated Fee	Equalization Allocated Fee/Tonne Generated			
	<b>Weight for Factor</b>	<b>40.0%</b>			<b>40.0%</b>			<b>20.0%</b>					
<b>PRINTED PAPER</b>													
Printed Paper	Newsprint	29.72%	\$ 552,721	\$ 1.06	46.60%	\$ 450,764	\$ 0.86	1.73%	\$ 8,352	\$ 0.02	\$ 1,011,837	\$ 1.94	0.45
	Magazines and Catalogues	75.29%	\$ 115,546	\$ 1.89	1.92%	\$ 18,530	\$ 0.30	2.15%	\$ 10,407	\$ 0.17	\$ 144,484	\$ 2.37	1.56
	Telephone Books	56.34%	\$ 22,898	\$ 1.55	5.36%	\$ 51,872	\$ 3.50	2.13%	\$ 10,281	\$ 0.69	\$ 85,050	\$ 5.75	0.33
	Other Printed Paper	84.01%	\$ 276,076	\$ 2.05	46.12%	\$ 446,074	\$ 3.32	94.00%	\$ 454,580	\$ 3.38	\$ 1,176,729	\$ 8.76	0.53
Printed Paper		<b>44.02%</b>	<b>\$ 967,240</b>	<b>\$ 1.32</b>	<b>100.00%</b>	<b>\$ 967,240</b>	<b>\$ 1.32</b>	<b>100.00%</b>	<b>\$ 483,620</b>	<b>\$ 0.66</b>	<b>\$ 2,418,100</b>	<b>\$ 3.30</b>	<b>0.50</b>
<b>PACKAGING</b>													
Paper Based Packaging	Old Corrugated Containers	36.12%	\$ 1,193,927	\$ 8.70	33.63%	\$ 5,327,793	\$ 38.80	2.10%	\$ 166,480	\$ 1.21	\$ 6,688,201	\$ 48.71	0.25
	Gabletop	92.41%	\$ 402,728	\$ 30.05	0.86%	\$ 136,462	\$ 10.18	2.75%	\$ 217,542	\$ 16.23	\$ 756,732	\$ 56.47	1.11
	Paper Laminants	99.01%	\$ 1,474,871	\$ 32.56	0.19%	\$ 30,543	\$ 0.67	5.17%	\$ 409,127	\$ 9.03	\$ 1,914,541	\$ 42.26	12.54
	Aseptic Containers	92.31%	\$ 87,045	\$ 30.02	0.19%	\$ 29,931	\$ 10.32	0.59%	\$ 47,008	\$ 16.21	\$ 163,984	\$ 56.55	1.10
	Old Boxboard	65.83%	\$ 2,663,712	\$ 19.97	17.03%	\$ 2,696,939	\$ 20.22	7.30%	\$ 578,334	\$ 4.34	\$ 5,938,986	\$ 44.52	0.44
Paper Based Packaging		<b>59.38%</b>	<b>\$ 5,822,283</b>	<b>\$ 17.52</b>	<b>51.90%</b>	<b>\$ 8,221,668</b>	<b>\$ 24.74</b>	<b>17.91%</b>	<b>\$ 1,418,492</b>	<b>\$ 4.27</b>	<b>\$ 15,462,444</b>	<b>\$ 46.53</b>	<b>0.38</b>
Plastic Packaging	PET bottles	57.61%	\$ 631,806	\$ 16.85	14.07%	\$ 2,228,750	\$ 59.43	3.88%	\$ 307,666	\$ 8.20	\$ 3,168,222	\$ 84.49	0.28
	HDPE bottles	64.00%	\$ 479,944	\$ 19.27	7.19%	\$ 1,139,618	\$ 45.77	2.80%	\$ 221,605	\$ 8.90	\$ 1,841,167	\$ 73.94	0.32
	Plastic Film	95.18%	\$ 1,741,798	\$ 31.10	4.54%	\$ 719,103	\$ 12.84	23.70%	\$ 1,877,357	\$ 33.52	\$ 4,338,257	\$ 77.47	1.21
	Plastic Laminants	96.29%	\$ 2,064,907	\$ 31.53	4.11%	\$ 650,719	\$ 9.93	28.31%	\$ 2,242,379	\$ 34.23	\$ 4,958,005	\$ 75.69	1.52
	Polystyrene	95.99%	\$ 694,207	\$ 31.41	1.71%	\$ 270,242	\$ 12.23	10.84%	\$ 858,384	\$ 38.84	\$ 1,822,833	\$ 82.48	1.35
	Other Plastics	96.80%	\$ 1,037,219	\$ 31.72	1.14%	\$ 180,951	\$ 5.53	9.20%	\$ 728,281	\$ 22.27	\$ 1,946,451	\$ 59.52	2.15
Plastics Packaging		<b>86.62%</b>	<b>\$ 6,649,880</b>	<b>\$ 27.86</b>	<b>32.76%</b>	<b>\$ 5,189,381</b>	<b>\$ 21.74</b>	<b>78.73%</b>	<b>\$ 6,235,672</b>	<b>\$ 26.12</b>	<b>\$ 18,074,934</b>	<b>\$ 75.72</b>	<b>0.70</b>
Steel Packaging	Food and Beverage	47.61%	\$ 779,335	\$ 13.05	7.54%	\$ 1,193,925	\$ 20.00	1.17%	\$ 92,466	\$ 1.55	\$ 2,065,725	\$ 34.60	0.35
	Aerosols	77.50%	\$ 112,216	\$ 24.39	0.25%	\$ 39,515	\$ 8.59	0.21%	\$ 16,544	\$ 3.60	\$ 168,275	\$ 36.58	0.85
	Paint Cans	75.87%	\$ 114,127	\$ 23.78	0.28%	\$ 44,219	\$ 9.21	0.59%	\$ 16,727	\$ 3.48	\$ 175,073	\$ 36.47	0.79
Steel Packaging		<b>51.56%</b>	<b>\$ 1,005,678</b>	<b>\$ 14.55</b>	<b>8.07%</b>	<b>\$ 1,277,660</b>	<b>\$ 18.49</b>	<b>1.59%</b>	<b>\$ 125,736</b>	<b>\$ 1.82</b>	<b>\$ 2,409,074</b>	<b>\$ 34.86</b>	<b>0.38</b>
Aluminum Packaging	Aluminum Cans	58.09%	\$ 425,830	\$ 17.03	-10.84%	\$ (1,717,345)	\$ (68.69)	0.00%	\$ -	\$ -	\$ (1,291,515)	\$ (51.66)	0.15
	Aluminum Foil	85.00%	\$ 54,485	\$ 27.24	-0.31%	\$ (49,177)	\$ (24.59)	0.00%	\$ -	\$ -	\$ 5,308	\$ 2.65	(0.02)
Aluminum Packaging		<b>60.09%</b>	<b>\$ 480,315</b>	<b>\$ 17.79</b>	<b>-11.15%</b>	<b>\$ (1,766,522)</b>	<b>\$ (65.43)</b>	<b>0.00%</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (1,286,207)</b>	<b>\$ (47.64)</b>	<b>0.15</b>
Glass Packaging	Food and Beverage - Flint	46.05%	\$ 923,570	\$ 12.46	6.96%	\$ 1,103,142	\$ 14.89	0.98%	\$ 77,261	\$ 1.04	\$ 2,103,973	\$ 28.39	0.38
	Food and Beverage - Coloured	53.34%	\$ 312,216	\$ 15.23	1.65%	\$ 262,052	\$ 12.78	0.36%	\$ 28,570	\$ 1.39	\$ 602,837	\$ 29.41	0.46
LCBO Glass	LCBO - Flint	26.45%	\$ 134,214	\$ 5.03	3.42%	\$ 541,901	\$ 20.30	0.02%	\$ 1,920	\$ 0.07	\$ 678,034	\$ 25.39	0.25
	LCBO - Coloured	36.46%	\$ 512,604	\$ 8.82	6.39%	\$ 1,011,478	\$ 17.41	0.41%	\$ 32,729	\$ 0.56	\$ 1,556,812	\$ 26.80	0.31
Glass Packaging		<b>40.86%</b>	<b>\$ 1,882,604</b>	<b>\$ 10.49</b>	<b>18.42%</b>	<b>\$ 2,918,573</b>	<b>\$ 16.27</b>	<b>1.77%</b>	<b>\$ 140,480</b>	<b>\$ 0.78</b>	<b>\$ 4,941,656</b>	<b>\$ 27.55</b>	<b>0.34</b>
<b>Factor Allocation to Printed Paper</b>			<b>\$ 967,240</b>			<b>\$ 967,240</b>			<b>\$ 483,620</b>		<b>\$ 2,418,100</b>		
<b>Factor Allocation to Packaging</b>			<b>\$ 15,840,760</b>			<b>\$ 15,840,760</b>			<b>\$ 7,920,380</b>		<b>\$ 39,601,900</b>		

**Obligation Estimation**

50% of Net Cost Total - Annual	\$	42,020,000
Holdback %'age for E&E Fund		10%
Allocated E&E Funds	\$	4,202,000
Net Monies to Municipalities	\$	37,818,000

**Costs Allocated to Material Categories**

Allocated Printed Paper Cost	\$	2,418,100
Allocated Packaging Cost	\$	39,601,900

**Other Program Costs**

SO Start Up & Administration Cost	\$	4,818,000
Other Markets Programs	\$	600,000
Markets Investment Programs	\$	1,806,800
Additional Programs	\$	300,000
MOE & SO Compliance	\$	270,000
WDO Admin	\$	1,420,000
Total	\$	9,214,800

**Contributions**

LCBO Contribution	\$	5,000,000
ONP In Kind Contribution	\$	1,300,000
Other	\$	-

**Notes on Calculating the Fees as Assigned Under the Recovery Rate Factor**

(1) Recovery Rate calculations based on (1 - Recovery Rate), i.e., equivalent to the percentage being sent for disposal. Assigned dollars based on comparing material Recovery Rate to the mean recovery rate for the group (one mean rate is calculated for printed paper and for all packaging).

Printed Paper Mean:	44.0226450%	Packaging Mean:	62.52%
Printed Paper Standard Deviation:	24.0384187%	Packaging Standard Deviation:	16.44%
STDev's		Assigned \$'s	
Packaging	(2.194)	Mean Equated \$ Value	\$ 7,920,380
Packaging	2.2195	STDev Equated \$ Value	\$ 2,640,127
Printed Paper		Mean Equated \$ Value	\$ 483,620
Printed Paper	(0.595)	STDev Equated \$ Value	\$ 161,207
Printed Paper	1.664		

**Table 3: Fee Schedule By Material Ty  
(full-year obligation)**

**Programs, Start-up and Administration**

**De minimis, Compliance Total Levy per kg**

Cells with red print represent input cells

Category	Material	Market Development Programs		MOE and Stewardship Ontario Compliance	Other Programs	Stewardship Ontario Administration & Start Up Costs	WDO Administration Costs	Total - Base + All Program + Start Up + Admin Fees	In Kind Credited Dollars (2)	LCBO Cash Contribution Credited Dollars (3)	Net Total - Base + All Program + Start Up + Admin Fees	5% Deduction De Minimus 5% Deduction Compliance	Annual Material Fee (cents/kg) 2002
		Other Market Programs	Investment Program										
<b>PRINTED PAPER</b>		<b>Weight for Factor</b>	<b>\$ 600,000</b>	<b>\$ 1,806,800</b>	<b>\$ 270,000</b>	<b>\$ 300,000</b>	<b>\$ 4,818,000</b>	<b>\$ 1,420,000</b>					
Printed Paper	Newsprint	\$ -	\$ -	\$ 4,825	\$ 5,361	\$ 86,103	\$ 25,377	\$ 1,133,504	\$ 1,011,837		\$ 121,667	90%	0.026 €/kg
	Magazines and Catalogues	\$ -	\$ -	\$ 1,020	\$ 1,133	\$ 18,196	\$ 5,363	\$ 170,196			\$ 170,196	90%	0.310 €/kg
	Telephone Books	\$ -	\$ -	\$ 255	\$ 283	\$ 4,549	\$ 1,341	\$ 91,478			\$ 91,478	90%	0.687 €/kg
	Other Printed Paper	\$ -	\$ -	\$ 16,570	\$ 18,412	\$ 295,690	\$ 87,148	\$ 1,594,549			\$ 1,594,549	90%	1.318 €/kg
Printed Paper		\$ -	\$ -	\$ 22,670	\$ 25,189	\$ 404,539	\$ 119,229	\$ 2,989,727	\$ 1,011,837	\$ -	\$ 1,977,890	90%	
<b>PACKAGING</b>													
Paper Based Packaging	Old Corrugated Containers	\$ -	\$ -	\$ 38,403	\$ 42,670	\$ 685,285	\$ 201,973	\$ 7,656,531			\$ 7,656,531	90%	6.196 €/kg
	Gabletop	\$ -	\$ -	\$ 4,997	\$ 5,552	\$ 89,166	\$ 26,280	\$ 882,727			\$ 882,727	90%	7.319 €/kg
	Paper Laminants	\$ -	\$ -	\$ 16,892	\$ 18,769	\$ 301,435	\$ 88,841	\$ 2,340,479			\$ 2,340,479	90%	5.741 €/kg
	Aseptic Containers	\$ -	\$ -	\$ 1,081	\$ 1,202	\$ 19,297	\$ 5,687	\$ 191,252			\$ 191,252	90%	7.328 €/kg
	Old Boxboard	\$ -	\$ -	\$ 35,499	\$ 39,444	\$ 633,466	\$ 186,700	\$ 6,834,095			\$ 6,834,095	90%	5.692 €/kg
Paper Based Packaging		\$ -	\$ -	\$ 96,873	\$ 107,637	\$ 1,728,649	\$ 509,481	\$ 17,905,084	\$ -	\$ -	\$ 17,905,084	90%	5.987 €/kg
Plastic Packaging	PET bottles	\$ -	\$ -	\$ 15,951	\$ 17,724	\$ 284,642	\$ 83,892	\$ 3,570,430			\$ 3,570,430	90%	10.579 €/kg
	HDPE bottles	\$ -	\$ -	\$ 10,592	\$ 11,769	\$ 189,002	\$ 55,704	\$ 2,108,233			\$ 2,108,233	90%	9.408 €/kg
	Plastic Film	\$ -	\$ -	\$ 22,294	\$ 24,771	\$ 397,818	\$ 117,248	\$ 4,900,387			\$ 4,900,387	90%	9.723 €/kg
	Plastic Laminants	\$ -	\$ -	\$ 26,076	\$ 28,973	\$ 465,305	\$ 137,138	\$ 5,615,496			\$ 5,615,496	90%	9.526 €/kg
	Polystyrene	\$ -	\$ -	\$ 13,150	\$ 14,611	\$ 234,656	\$ 69,160	\$ 2,154,410			\$ 2,154,410	90%	10.832 €/kg
	Other Plastics	\$ -	\$ -	\$ 13,910	\$ 15,455	\$ 248,208	\$ 73,154	\$ 2,297,177			\$ 2,297,177	90%	7.806 €/kg
Plastics Packaging		\$ -	\$ -	\$ 101,972	\$ 113,302	\$ 1,819,630	\$ 536,296	\$ 20,646,134	\$ -	\$ -	\$ 20,646,134	90%	9.610 €/kg
Steel Packaging	Food and Beverage	\$ -	\$ -	\$ 11,013	\$ 12,236	\$ 196,512	\$ 57,918	\$ 2,343,404			\$ 2,343,404	90%	4.361 €/kg
	Aerosols	\$ -	\$ -	\$ 849	\$ 943	\$ 15,142	\$ 4,463	\$ 189,671			\$ 189,671	90%	4.581 €/kg
	Paint Cans	\$ -	\$ -	\$ 885	\$ 984	\$ 15,800	\$ 4,657	\$ 197,399			\$ 197,399	90%	4.569 €/kg
Steel Packaging		\$ -	\$ -	\$ 12,746	\$ 14,163	\$ 227,454	\$ 67,037	\$ 2,730,474	\$ -	\$ -	\$ 2,730,474	90%	4.391 €/kg
Aluminum Packaging	Aluminum Cans	\$ -	\$ -	\$ 11,802	\$ 13,114	\$ 210,605	\$ 62,071	\$ (993,922)			\$ (993,922)	90%	-3.578 €/kg
	Aluminum Foil	\$ -	\$ -	\$ 944	\$ 1,049	\$ 16,848	\$ 4,966	\$ 29,115			\$ 29,115	90%	1.618 €/kg
Aluminum Packaging		\$ -	\$ -	\$ 12,746	\$ 14,163	\$ 227,454	\$ 67,037	\$ (964,807)	\$ -	\$ -	\$ (964,807)	90%	-3.193 €/kg
Glass Packaging	Food and Beverage - Flint	\$ 50,000	\$ 50,000	\$ 9,984	\$ 11,094	\$ 178,164	\$ 52,510	\$ 2,455,725			\$ 2,455,725	90%	3.682 €/kg
	Food and Beverage - Coloured	\$ 25,000	\$ 25,000	\$ 2,762	\$ 3,069	\$ 49,290	\$ 14,527	\$ 722,485			\$ 722,485	90%	3.916 €/kg
LCBO Glass	LCBO - Flint	\$ 150,000	\$ 433,056	\$ 3,226	\$ 3,584	\$ 57,563	\$ 16,965	\$ 1,342,429		\$ 1,342,435	\$ (6)	100%	0.000 €/kg
	LCBO - Coloured	\$ 375,000	\$ 1,298,744	\$ 7,019	\$ 7,799	\$ 125,259	\$ 36,917	\$ 3,407,550		\$ 3,407,565	\$ (15)	100%	0.000 €/kg
Glass Packaging		\$ 600,000	\$ 1,806,800	\$ 22,992	\$ 25,546	\$ 410,275	\$ 120,920	\$ 7,928,189	\$ -	\$ 4,750,000	\$ 3,588,464		
<b>Factor Allocation to Printed Paper</b>		<b>\$ 600,000</b>	<b>\$ 1,806,800</b>	<b>\$ 270,000</b>	<b>\$ 300,000</b>	<b>\$ 4,818,000</b>	<b>\$ 1,420,000</b>	<b>\$ 51,234,800</b>	<b>\$ 1,011,837</b>	<b>\$ 4,750,000</b>	<b>\$ 45,883,238</b>		
<b>Factor Allocation to Packaging</b>													

**Obligation Estimation**

50% of Net Cost Total - Annual	\$ 42,020,000
Holdback % age for E&E Fund	10%
Allocated E&E Funds	\$ 4,202,000
Net Monies to Municipalities	\$ 37,818,000

(2) CNA/OCNA in kind contributions offset the first \$1.3 million of base allocated costs. All start up, administration and other program costs are required to be paid in cash by CNA/OCNA.

(3) The assumption is that LCBO base levies will be that shown plus an \$250,000 for all LCBO non-glass materials. Glass investment and market development programs are outlined in more detail in the Blue Box Program Plan.

**Costs Allocated to Material Categories**

Allocated Printed Paper Cost	\$ 2,418,100
Allocated Packaging Cost	\$ 39,601,900

Unallocated LCBO Money (for OBB, OCC, Film, Printed Paper, etc.)	\$ 250,021
Estimated allocations to other LCBO stewardable materials	\$ 250,000
<b>Net Unallocated LCBO Money</b>	<b>\$ 21</b>

**Other Program Costs**

SO Start Up & Administration Cost	\$ 4,818,000
Other Markets Programs	\$ 600,000
Markets Investment Programs	\$ 1,806,800
Additional Programs	\$ 300,000
MOE & SO Compliance	\$ 270,000
WDO Admin	\$ 1,420,000
Total	\$ 9,214,800

**Contributions**

LCBO Contribution	\$ 5,000,000
ONP In Kind Contribution	\$ 1,300,000
Other	\$ -

**Table 4: Product/Packaging Example Fees Per Unit - (full-year obligation)**

Packaging Type	Product Packaging Example	Unit Weight		Estimated Fee		
		(Grams)	\$/tonne	Cents/kg	Cents/Unit	
Printed Paper	Daily Newspaper	249	\$ 0.26	0.03	0.0065	
	Magazine - large	820	\$ 3.10	0.31	0.25	
	Magazine - small monthly	251	\$ 3.10	0.31	0.08	
	Catalogue - large	1450	\$ 3.10	0.31	0.45	
	Catalogue - flyer	110	\$ 3.10	0.31	0.03	
Paper	Paperboard box - 525 gram cereal	104	\$ 59.87	5.99	0.62	
Packaging	Paperboard box - 1.05 kg granola bars	94	\$ 59.87	5.99	0.56	
	Paperboard box - 312 g frozen waffles	40	\$ 59.87	5.99	0.24	
	Egg Carton	53	\$ 59.87	5.99	0.32	
	Corrugated case	210	\$ 59.87	5.99	1.26	
	Kraft bag - 4 kg of pet food	82	\$ 59.87	5.99	0.49	
Polycoat	2 litre milk carton	63	\$ 59.87	5.99	0.38	
	1 litre milk carton	41	\$ 59.87	5.99	0.25	
	250 ml drinking box	10	\$ 59.87	5.99	0.06	
Ferrous	1.36 litre juice can	153	\$ 43.91	4.39	0.67	
	540 ml soup can	73	\$ 43.91	4.39	0.32	
	12 ounce food can	48	\$ 43.91	4.39	0.21	
Aluminum	355 ml soft drink can	15	\$ (31.93)	-3.19	-0.05	
Glass	473 ml juice bottle	228	\$ 36.82	3.68	0.84	
	750 ml juice flint bottle	335	\$ 36.82	3.68	1.23	
	750 ml olive oil green bottle	335	\$ 39.16	3.92	1.31	
Plastics	2 Litre PET bottle	58	\$ 96.10	9.61	0.56	
	600 ml PET bottle	30	\$ 96.10	9.61	0.29	
	4 litre HDPE water bottle	65	\$ 96.10	9.61	0.62	
	HDPE bottle - 2. 6 L dishwashing soap	149	\$ 96.10	9.61	1.43	
	PP pail - 3.5 kg kitty litter	181	\$ 96.10	9.61	1.74	
	PP - yogurt cup (no lid)	6	\$ 96.10	9.61	0.06	
	HDPE - carry out bag (large)	13	\$ 96.10	9.61	0.12	
	LDPE - outer milk bag	8	\$ 96.10	9.61	0.08	
	LDPE - frozen peas	12	\$ 96.10	9.61	0.12	
	PS - half pint blueberries	10	\$ 96.10	9.61	0.10	
	8 ounce PS coffee cup	8	\$ 96.10	9.61	0.08	
	Laminant	Pasta bag	5	\$ 96.10	9.61	0.05
		Vacuum sealed salmon	13	\$ 96.10	9.61	0.12
Frozen concentrated juice can		29	\$ 59.87	5.99	0.17	
Cookie bag		12	\$ 59.87	5.99	0.07	
Multiple	Frozen Entrée - Paper	28	\$ 59.87	5.99	0.17	
Packaging	Frozen Entrée - Plastic	25	\$ 96.10	9.61	0.24	
	Total	53			0.41	
	Cling wrap paper core	34	\$ 59.87	5.99	0.20	
	Outer box w/metal cutter (laminant)	41	\$ 59.87	5.99	0.25	
	Total	75			0.45	
	Toilet tissue plastic wrap	15	\$ 96.10	9.61	0.14	
	Paper cores (12)	48	\$ 59.87	5.99	0.29	
	Total	63			0.43	
	Powdered beverage in fibre can	100	\$ 59.87	5.99	0.60	
	PP Lid	6	\$ 96.10	9.61	0.06	
	Total	106			0.66	
	Pouch	60	\$ 96.10	9.61	0.58	
	Outer carton	75	\$ 59.87	5.99	0.45	
	Total	135			1.03	

Notes Box

**Table 5: Fee Calculation Sheet**

Year of Costs Examined: **2002**

*Cells with red print represent input cells*

Year When Fees Would Be Paid: **2004**

Material Category	Material	Tonnes Managed	Fee Per Tonne	Total Fees
<b>PRINTED PAPER</b>				
	Newsprint	-	\$ 0.26	\$ -
	Magazines and Catalogues	-	\$ 3.10	\$ -
	Telephone Books	-	\$ 6.87	\$ -
	Other Printed Paper	-	\$ 13.18	\$ -
<b>Printed Paper Total</b>		-		<b>\$ -</b>
<b>PACKAGING</b>				
<b>Paper Packaging</b>	Old Corrugated Containers	-	\$ 61.96	\$ -
	Gabletop	-	\$ 73.19	\$ -
	Paper Laminants	-	\$ 57.41	\$ -
	Aseptic Containers	-	\$ 73.28	\$ -
	Old Boxboard	-	\$ 56.92	\$ -
<b>Paper Packaging Total</b>		-		<b>\$ -</b>
<b>Plastics</b>	PET bottles	-	\$ 105.79	\$ -
	HDPE bottles	-	\$ 94.08	\$ -
	Plastic Film	-	\$ 97.23	\$ -
	Plastic Laminants	-	\$ 95.26	\$ -
	Polystyrene	-	\$ 108.32	\$ -
	Other Plastics	-	\$ 78.06	\$ -
<b>Plastics Total</b>		-		<b>\$ -</b>
<b>Steel</b>	Food & Beverage Cans	-	\$ 43.61	\$ -
	Aerosols	-	\$ 45.81	\$ -
	Paint Cans	-	\$ 45.69	\$ -
<b>Ferrous Total</b>		-		<b>\$ -</b>
<b>Aluminum</b>	Aluminum Cans	-	\$ (35.78)	\$ -
	Aluminum Foil	-	\$ 16.18	\$ -
<b>Aluminum Total</b>		-		<b>\$ -</b>
<b>Glass</b>	Food & Beverage - Flint	-	\$ 36.82	\$ -
	Food & Beverage - Coloured	-	\$ 39.16	\$ -
	LCBO - Flint	-	\$ (0.00)	\$ -
	LCBO - Coloured	-	\$ (0.00)	\$ -
<b>Glass Total</b>		-		<b>\$ -</b>
<b>PACKAGING TOTAL</b>		-		<b>\$ -</b>
<b>GRAND TOTAL</b>		-	<b>\$ -</b>	<b>\$ -</b>

Notes Box