

APPENDIX A  
MUNICIPAL TONNAGE RECYCLING CONVERSION CHART

Listed below are conversion factors compiled by the Division of Solid and Hazardous Waste to assist Recycling Coordinators in the calculation of tonnages when the materials reported to them in volumes as opposed to weights. With the exception of yard materials, these conversion factors are to be used only when no weights are available.

<u>Paper</u>	<u>UNCOMPACTED</u>	<u>COMPACTED</u>
01-Corrugated	40 lbs/cy 50 cy = 1 ton	500 lbs/cy 4 cy = 1 ton
02-Mixed Office Paper	400 lbs/cy 5 cy = 1 ton	755 lbs/cy 2.65 cy = 1 ton
03-Newspaper	500 lbs/cy 4 cy = 1 ton	865 lbs/cy 2.31 cy = 1 ton
<u>Containers</u>		
05-Glass (loose)	600 lbs/cy 3.33 cy = 1 ton	1,500 lbs/cy 1.33 cy = 1 ton
05-Glass (manually broken)	1,000 lbs/cy 2 cy = 1 ton	1,500 lbs/cy 1.33 cy = 1 ton
06-Aluminum Cans	74 lbs/cy 27.02 cy = 1 ton	250 lbs/cy 4 cy = 1 ton
07-Steel Cans	150 lbs/cy 13.33 cy = 1 ton	350 lbs/cy 2.35 cy = 1 ton
08-Plastic Cont. (PETE) #1	30 lbs/cy 66.66cy = 1 ton	515 lbs/cy 3.88 cy = 1 ton
08-Plastic Cont. (HDPE) #2	25 lbs/cy 80 cy = 1 ton	270 lbs/cy 7.41 cy = 1 ton
<u>Autos</u>	<u>WEIGHT/UNIT</u>	<u>UNITS/TON</u>
12-Anti-Freeze	7 lbs/gallon	285.71 gallons/ton
13-Batteries, Lead-Acid	33 lbs/battery	60.61 batteries/ton
15-Tires-Passenger	20 lbs/tire	100 tires/ton
15-Tires-w/rims	40 lbs/tire	50 tires/ton
15-Tires-Truck	90 lbs/tire	22.22 tires/ton
15-Tires w/rims	180 lbs/tire	11.11 tires/ton
15-Tires/Industrial	200 lbs/tire	10 tires/ton
16-Used Motor Oil	7 lbs/gallon	285.71 gallons/ton
<u>Yard Material</u>	<u>WEIGHT/UNIT</u>	<u>UNITS/TON</u>
17-Brush Chipped	500 lbs/cy	4 cy = 1 ton

17-Brush-Unchipped	250 lbs/cy	8 cy = 1 ton
18-Grass Compacted	1,111 lbs/cy	1.8 cy = 1 ton
18-Grass Uncompacted	741 lbs/cy	2.7 cy = 1 ton
19-Leaves Compacted	1,000 lbs/cy	2 cy = 1 ton
19-Leaves Vacuumed	700 lbs/cy	2.86 cy = 1 ton
19-Leaves Loose	400 lbs/cy	5 cy = 1 ton
20-Stumps	500 lbs/cy	4 cy = 1 ton

<u>Other</u>	<u>WEIGHT/UNIT</u>	<u>UNITS/TON</u>
22-Concrete	4,000 lbs/cy	1 cy = 2 tons
22-Asphalt 1" thick	115 lbs/sq yd	17.39 sq yd = 1 ton
	4140 lbs/cy	1 cy= 2.07 tons
23-Food Waste	412.5 lbs per 55 gal drum	4.85 drums = 1 ton
30-Wood Scraps Pallets	285.71 lbs/cy	7 cy = 1 ton
30-Wood Scraps All Other	363.64 lbs/cy	5.5 cy = 1 ton

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White Goods:

Refrigerator	200 lbs/ea	10 = 1 ton
Washer	150-175 lbs/ea	13.33-11.42 = 1 ton
Dryer	150 lbs/ea	13.33 = 1 ton
Freezer	175 lbs/ea	11.42 = 1 ton
Air Conditioner	75 lbs/ea	26.66 = 1 ton

Propane Tanks: #07, 09 or 11

1 lb tank	1 lb
20 lb tank	20 lb
30 lb tank	30 lb

Computer Monitors: #24 Misc.

25 lb average per monitor

Bales of Paper:	700 lbs/ea	2.85 = 1 ton
Bales of Cardboard:	600 lbs/ea	3.33 = 1 ton
Cardboard	4 cy container =	.5 tons (1,000 lbs)
Paper	4 cy container =	200-250 lbs.
	8 cy container =	1 ton (2,000 lbs)