

STANDARD VOLUME-TO-WEIGHT CONVERSION FACTORS

Except for the C&D conversion, these conversions are provided as written in the EPA guide. If other conversions are used, please provide the Division with information regarding these.

Category	Recyclable Materials (u/c = uncompacted/ compacted & baled)	Volume	Estimated Weight (in pounds)
FOOD SCRAPS	Food scraps, solid and liquid fats	55 gal drum	412
GLASS	Bottles: Whole Semi crushed Crushed (mechanically) Uncrushed to manually broken Refillable Whole Bottles: Refillable beer bottles Refillable soft drink b. 8 oz glass container	1 yd ³ 1 yd ³ 1 yd ³ 55 gal drum 1 case=24 bottles 1 case=24 bottles 1 case=24 bottles	500-700 1,000-1,800 1,800-2,700 300 10-14 12-22 12
LEAD-ACID BATTERIES	Automobile Truck Motorcycle	1 battery 1 battery 1 battery	39.4 lb 53.3 lb lead & plastic 9.5 lb lead & plastic
METAL	Aluminum Cans: Whole Compacted (manually) Uncompacted Ferrous (tin coated steel cans): Whole Flattened Major Appliances: Air conditioners (room) Dishwashers Dryers (clothes) Freezers Microwave ovens	1 yd ³ 1 yd ³ 1 full grocery bag 1 yd ³ 1 yd ³ 1 case=24 cans 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	50-75 250-430 1.5 150 850 22 64.2 92 130 193 50 181.1 267

	Ranges Refrigerators Washers (clothes) Water heaters	1 unit 1 unit	177 131
PAPER	Newspaper: Uncompacted Compacted/baled 12 inch stack	1 yd ³ 1 yd ³ —	360-505 720-1,000 35
PAPER (cont.)	Cardboard: Uncompacted Compacted Baled Computer Paper: Uncompacted (stacked) Compacted/baled 1 case White Ledger: Stacked (u/c) Crumpled (u/c) Ream of 20# bond; 8.5 x 11 inch Ream of 20# bond; 8.5 x 14 inch White ledger pads Tab Cards: Uncompacted Compacted/baled Miscellaneous Paper: Yellow legal pads Colored message pads Telephone directories Mixed Ledger/Office Paper: Flat (u/c) Crumpled (u/c)	1 yd ³ 1 yd ³ 1 yd ³ 1 yd ³ 1 yd ³ 2,800 sheets 1 yd ³ 1 yd ³ 1 ream=500 sheets 1 ream=500 sheets 1 case=72 pads 1 yd ³ 1 yd ³ 1 case=72 pads 1 carton=144 pads 1 yd ³ 1 yd ³ 1 yd ³ 1 yd ³ 1 yd ³	50-150 (300) 300-500 700-1,100 655 1,310 42 375-465 / 755-925 110-205 / 325 5 6.4 38 605 1,215-1,350 38 22 250 380 / 755 110-205 / 610
PLASTIC	PET (Soda bottles): Whole (uncompacted) Whole (compacted) Whole (uncompacted) Baled Granulated	1 yd ³ 1 yd ³ gaylord 30 inch x 62 inch semi load gaylord 16 L	30-40 515 40-53 500-550 30,000 700-750 1

	<p>Granulated 8 bottles (2 L size)</p> <p>HDPE (Dairy): Whole (uncompacted) Whole (compacted) Baled</p> <p>HDPE (Mixed): Baled Granulated Granulated</p> <p>Other Plastic: Uncompacted Other Plastic: Compacted/baled</p> <p>Mixed PET and HDPE (Dairy): Whole (uncompacted)</p> <p>Film: Baled Baled</p>	<p>1 yd³ 1 yd³ 32 inch x 60 inch</p> <p>32 inch x 60 inch gaylord semi load</p> <p>1 yd³</p> <p>1 yd³</p> <p>1 yd³</p> <p>semi load 30 in x 42 in x 48 in</p>	<p>24 270 400-500</p> <p>900 800-1,000 42,000</p> <p>50</p> <p>400-700</p> <p>32</p> <p>44,000 1,100</p>
TEXTILES	Mixed textiles	1 yd ³	175
TIRES	<p>Car tires: Whole Crumb rubber</p> <p>Truck tires: Whole tire Crumb rubber</p>	<p>1 tire 1 tire</p> <p>1 tire 1 tire</p>	<p>21 12</p> <p>70 60</p>
WOOD	Wood chips Pallets	1 yd ³ —	625 30-100 (40 average)
YARD TRIMMINGS	<p>Grass Clippings: Uncompacted Compacted</p> <p>Leaves: Uncompacted Compacted Vacuumed</p>	<p>1 yd³ 1 yd³</p> <p>1 yd³ 1 yd³ 1 yd³</p>	<p>350-450 550-1,500</p> <p>200-250 300-450 350</p>

FURNISHINGS	Foam rubber mattress	1 mattress	55
MUNICIPAL SOLID WASTE (MSW)	Residential waste (uncompacted at curb)	1 yd ³	150-300
	Commercial-industrial waste (uncompacted)	1 yd ³	300-600
	MSW (compacted in truck)	1 yd ³ 1 yd ³	500-1,000 750-1,250
	MSW (landfill density)	1 yd ³ = .75 ton	1,500
General:			
CONSTRUCTION & DEMOLITION (C&D) DEBRIS		yd ³ = .60 ton	1,200 lb
OIL FILTERS	55 gallon drum holds (uncrushed)	150	197 lb
	55 gallon drum holds (crushed)	300	394 lb
OIL		1 gallon	7.2 lb
ANTIFREEZE		1 gallon	8
AUTOMOBILE BODIES	With Wheels: Small car Medium car Large car	1 car 1 car 1 car	2,000 2,500 - 2,700 3,000 - 3,500
FLUORESCENT TUBES	T12 Lamps, standard 8 ft 4 ft 18 in	1 lamp 1 lamp 1 lamp	22 ounces 10.1 ounces 2.5 ounces
	T8 Lamps (usually 1.5 oz lighter than the T12 equivalent), slimmer, smaller 8 ft 4 ft	1 lamp 1 lamp	8.5 ounces 8.5 ounces

	55 gallon drum, u/c 55 gallon drum with a crusher	1 drum 1 drum	250 - 400+, depending on size of the pieces 400 and over
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