

# Material Generation Calculator

This calculator provides step by step instructions for developers to estimate material volume, container type, and service frequency for their site. For additional design guidelines, please refer to the "Design Guidelines for Recycling and Garbage Services."

**STEP 1.** Enter the square footage for each business type that will be using the enclosure. Refer to the Business Type Definitions below to ensure you select the correct business type(s) for your project.

BUSINESS TYPE	BUSINESS SIZE	FOOD cubic yards/week	TRASH cubic yards/week	CARDBOARD cubic yards/week	YARD TIMMINGS cubic yards/week
Full Service Restaurant	sq. feet				
Retail	sq. feet				
Fast Food	sq. feet				
Office/R&D	sq. feet				
Industrial	sq. feet				
Manufacturing	sq. feet				
Multi-Family Residence	units				

**STEP 2.** Propose container sizes and quantities appropriate for the total estimated generation of each material (minium number of pickups is 1; maximum number of pickups is 3).

ESTIMATED GENERATION	FOOD*	TRASH*	CARDBOARD*	YARD TIMMINGS*
Total Generation (cubic yards per week)				
Total Generation (gallons)				
Container Size				
Number of Containers				
Frequency (pickups per week)				

**\*FOOD** – Food scraps are dense and shrink once in the container. The cubic yard estimate for food scraps are calculated accordingly.

**\*TRASH** – 35 gallon carts are only available for non-residential sites (commercial or industrial).

**\*CARDBOARD** – Must generate enough cardboard to fill 2/3 of container per service day and per container (for example, can't have 2 collection days if only generating 2 cubic yards per week with one 3 cubic yard bin).

**\*YARD TIMMINGS** – 96 gallon carts are only available for non-residential sites (commercial or industrial).

# Business Type Definitions and Container Dimensions

BUSINESS TYPE	DEFINITIONS AND EXAMPLES
Full Service Restaurant	Primarily sit down service, washable tableware, little to no packaging ontable, bakeries that serve meals, bars that also serve food.
Retail	Selling products with little to no service component: clothing, household goods, jewelry, cosmetics, appliances,equipment, department stores, electronics, furniture, sporting goods, auto parts, pet supplies, showrooms, lighting.
Fast Food	Food with disposal packaging and wrappings and no table service: to-go, ice cream, smoothies, burgers, etc.
Office/R&D	Primarily dealing with information and paperwork: real estae, accounting, government, counseling, investing, radio stations, design, travel, service organizations, foundations, non-profits, newspaper/publication offices, professional services.
Industrial	Facilities that generate a range of goods and services, including facilities that serve as testing labs.
Manufacturing	Facilities that engage in the mechanical, physical, or chemical transformation of materials into new products. This includes assembling parts of manufactured products.
Multi-Family Residence	More than five dwelling units sharing garbage and recycling services.

CONTAINER	WIDTH	DEPTH	HEIGHT	CUBIC YDS	NOTES
35 gallon cart	19.5 in	23 in	39 in	0.17	Only available for food scraps and trash (commercial)
65 gallon cart	27 in	28 in	41 in	0.32	Only available for trash
95 gallon cart	28 in	34 in	45 in	0.47	Only available for trash
96 gallon cart	27 in	35 in	46 in	0.48	Only available for yard trimmings and other recycling*
1 cubic yard bin	81 in	32 in	38 in	1	Not available for cardboard
2 cubic yard bin	81 in	41 in	52 in	2	Only available for foodscraps and trash
3 cubic yard bin	81 in	44 in	61 in	3	Not available for foodscraps or yard trimmings
4 cubic yard bin	81 in	54 in	66 in	4	Only available for yard trimmings and trash
6 cubic yard bin	81 in	68 in	73 in	6	Only available for cardboard and trash

\*Other recycling includes paper (fiber) and glass, plastic and metal containers.