

SWM CAPACITY CALCULATION INFORMATION

Average Waste Data:

.5 cubic yard per 96-gallon cart

Commercial waste - 300 lbs/cubic yard uncompacted

Residential waste - 200 lbs/cubic yard uncompacted

Old Corrugated Cardboard (OCC) - 100 lbs/cubic yard uncompacted

News and mixed paper - 500 lbs/cubic yard uncompacted

.4 tons (800 lbs) recyclables per household/year

.75 tons (1,500 lbs) garbage per household/year

OCC can comprise 40% of total retail waste

Average Material Percentages in Recyclables (residential, multi-family, and commercial):

Cardboard (OCC)	27%
News and mixed paper	47%
Glass	13%
Aluminum	2%
Steel	3%
Plastic	5%
Residue (contamination)	3%

Container Dimensions:

	Depth	Width	Height
96-gal roll-out carts	34"	28"	44"
Recycling bin	2'	1.5'	1.25'
Stationary containers (front-loading) (vehicle backs out)			
2-cu-yd	36"	71"	39" (use not permitted)
4-cu-yd	51"	71"	59"
6-cu-yd	68"	71"	63"
8-cu-yd	75"	71"	76"

Roll-off containers (vehicle backs in) - compactor dimensions need to be added

20-cu-yd	270"	91"	58" (use not permitted)
30-cu-yd	270"	91"	78"
40-cu-yd	270"	91"	97"

Multi-family Complex Capacity/Collection:

Dumpsters:

5-12 units = 4-cubic-yard dumpster minimum

13-16 units = 6-cubic-yard dumpster minimum

17-30 units = 8-cubic-yard dumpster minimum

Recyclables: One OCC dumpster (same size) and four 90+-gallon receptacles for other recyclables with each garbage dumpster.

Collection of garbage and recyclables must occur at least one time per week.

Compactors (if approved): 4/1 roll-off/dumpster capacity ratio, but figures are adjusted due to compactor maintenance issues. Collection of garbage must occur at least one time per week.

1-300 units = 30-cubic-yard roll-off minimum

Recyclables:

Two 8-cubic-yard OCC dumpsters, or one collected 2x per week

Eight 90+-gallon receptacles for other recyclables, or four collected 2x per week

301-400 units = 40-cubic-yard roll-off minimum

Recyclables:

Three 8-cubic-yard OCC dumpsters, or one collected 3x per week

Twelve 90+-gallon receptacles for other recyclables, or four collected 3x per week

More than 400 units requires more than one compactor facility and additional recycling capacity. Please contact SWM for information.

Sources for Commercial Generation/Disposal by Industry:

California Integrated Waste Management Board, Estimated Solid Waste Generation Rates, calculated various ways, and Waste Disposal Rates for Business Types, calculated by number of employees

City of Santa Barbara, Space Allocation Guide for Trash and Recycling, Appendix B, Waste Generation Rates, calculated by square foot