

Resolution No. 05-001
RECYCLING AND WASTE ENCLOSURE
STANDARDS AND GUIDELINES

Purpose

This following provides the standards and guidelines for the construction of recycling and waste container enclosures in the City of Monterey. These standards and guidelines apply to the following types of commercial and multi-family (5 or more units) projects:

- Design Review
- Planned Development Permits
- Change of operations
- Existing facilities or trash management found to be inadequate due to document enforcement action.

The standards and guidelines for enclosure designs described in this handout provides adequate space for waste and recycling containers and reduces storm water runoff and litter from containers. The benefits to the community from adhering to these provisions include increased recycling to conserve natural resources, extended local landfill capacity and reduced runoff of pollutants and litter into waterways. Also, the enclosures help protect the communities economic viability.

Minimum Standard conditions required by the City are indicated by the symbol **S** and these standards SHALL be incorporated into the construction of all new enclosures. The symbol **G** indicates guidelines for enclosure design. The City strongly recommends that the guidelines are incorporated into the construction of all new enclosures and they may be requested to be provided for specific circumstances. All new and required enclosures require review and approval of the Public Works Department. Decisions of the Public Works Department may be appealed to the Architectural Review Committee.

In addition, the project applicant shall submit a waste and source reduction recycling plan to include size of containers to be used and total number of service days for each material type per week.

Design and Location Standards

- S** Enclosures shall be designed to allow sufficient space to accommodate appropriate sized recycling and waste containers without requiring a container to be moved to service another container. Attached "Exhibit A" is a Space Allocation Guidelines Table that can be used to size enclosures based on land use type and density.
- S** Enclosures shall have solid walls and gates a minimum of 6 feet in height. Chain link fence or other types of open enclosures are not permitted.
- S** Enclosures shall have a solid roof. A request to build an enclosure without a roof may be made to the Public Works Department. Non-roofed structures would be allowed at building sites where applicants demonstrate there will not be any visual and/or odor impacts to neighboring properties and that enclosures can be protected and maintained. Roofed enclosures that are exclusively used for waste and recycling shall not be counted towards Lot Coverage.
- S** Enclosure pads shall be constructed of concrete and extend 8 feet beyond the face of the enclosure at a slope no more than 1% grade. The slope of the enclosure pad shall not exceed 1/8 inch per foot.

- S** A 12-foot wide city-standard sidewalk crossing (such as a driveway or handicap ramp) shall be installed at the street near the collection point if the enclosure area is not accessible from a parking lot or other on-site location.
- S** Enclosure doors shall have a latch that can be secured in the opened and closed position.
- S** Enclosure shall be used exclusively for storage of recyclables and waste in approved containers serviced by franchised hauler.
- S** In accordance with California Solid Waste Reuse and Recycling Access Act of 1991, Chapter 18 Division 30 of the Public Resources Code, Section 42900, enclosures shall provide adequate space for, but not limited to, the recycling of cardboard, mixed paper, glass, aluminum and plastic containers. General recycling information shall be posted in enclosures near recycling containers to encourage recycling and deter contamination of recyclables. Recycling bins should be located in the same enclosure as waste bins whenever possible. If not possible, recycling bins should be located so that they are as convenient as the waste bins with appropriate signage.
- S** The property owner is responsible for regular maintenance of enclosure and containers and keeping the enclosure fully functional and clean.
- G** Enclosures should be located no greater than 150 feet from the nearest point of the building it is servicing.
- G** Enclosure walls should be protected from damage by containers and vehicles.
- G** Enclosure should be designed to allow convenient access by users without having to open the main enclosure gates.
- G** Enclosures that are designed to use chutes should be designed to allow the chutes to empty into the center of the container to prevent imbalanced loading.
- G** Enclosures should be designed to be architecturally compatible with nearby structures and the perimeter of the enclosure should be planted with landscaping, such as a combination of shrubs and/or evergreen vines.
- G** Enclosures that are to be locked should use a minimum size 2-inch or larger brass reset able combination lock.
- G** Enclosures should be designed in such a way that the bins cannot be accessed after business hours.

Sewer Connection Standards

Any new or re-development having the potential to generate the following types of waste shall connect to the City sewer and shall conform to the following standards:

- ***Automotive fluid waste – including gas station, auto repair, oil change centers, and facilities with similar wastes.***
 - ***Food waste – including restaurants, food preparation businesses, facilities with large kitchens, multi-family units of 5 or more units and facilities with similar wastes.***
 - ***Industrial waste– any industrial or commercial business that uses significant quantities of solvents, lubricating grease, oil, or similar wastes.***
- S** Enclosure shall include a traffic rated, trench drain and grate connected to the City sewer.
 - S** Discharges to the sanitary sewer shall flow through a grease trap with minimum capacity of 35 gallons per minute (70 lb.).
 - S** Enclosures with sewer connections shall have a water connection in or nearby to provide for cleaning inside the enclosure area. The hose bib shall be located to prevent damage from bins.

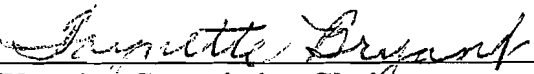
- S** Wastewater generated by trash enclosure cleaning shall be discharged to a sanitary sewer. Wastewater discharges or potential discharges to the parking lot, street, or storm drain are an Illicit Discharge and a violation of the City municipal code.
- S** Tallow containers shall be separated from waste and recycling containers by barrier, with at least 12 inches of space from containers.

Fire Prevention Standards and Guidelines

The owner or designer should contact the Fire Department and incorporate Fire Department requirements into the design. The Fire Department has specific rules for the protection of enclosures that may include setback, fire resistant construction and fire sprinklers. These requirements of the Fire Department are based on the location of the enclosure and its proximity to property lines and other buildings.

Contact Phone Numbers

Public Works Department: Phone: 831-646-5662.
Community Development Department Phone: 831-646-3885
Fire Prevention Officer, Monterey Fire Department Phone: 831-646-3990
Building Safety and Inspection Phone: 831-646-3891
Monterey City Disposal Service: 831-372-7977


Planning Commission Chairperson

9/27/05
Date


Planning Commission Vice Chairperson

27 SEP 2005
Date

Attachment to Recycling and Waste Enclosure Guidelines

Space Allocation Guidelines for Recyclable and Waste Collection and Loading Areas (Suggested. Please note that each location has specific service needs.)

LAND USE	SIZE / SCALE	MINIMUM REQUIRED SPACE FOR BINS
Multi-Unit Residential (where no more than 5 or more units share one bin)	First 5 Units	Space for one 2 cubic yard waste bin and/or two 95-gallon rolled container for waste and two 95-gallon rolled containers for mixed recyclables. Once per week service.
	Each Additional 5 Units ¹	Space for one 4 cubic yard waste bin, and one 2 cubic yard container for cardboard. Four 95-gallon rolled containers for mixed recyclables. Once per week service.
Office and General Commercial	First 10,000 sf	Space for one 4 cubic yard waste bin, one 4 cubic yard cardboard bin and two 95-gallon rolled containers for mixed recyclables. Once per week service.
	Each Additional 10,000 sf ¹	Space for two 4 cubic yard bin for waste and two 4 cubic yard cardboard bins and four 95-gallon rolled containers for mixed recyclables. Once per week service. (More square footage, increase service to twice per week for waste. Recyclables serviced once per week at most locations.
Retail	First 8,000 sf	Space for one 4 cubic yard waste bin, one 4 cubic yard cardboard bin and two 95-gallon rolled containers for mixed recyclables. Once per week service.
	Each Additional 8,000 sf ¹	Space for two 4 cubic yard waste bins, two 4 cubic yard cardboard bins and four 95-gallon rolled containers for mixed recyclables.
Industrial	First 20,000 sf	Space for one 4 cubic yard waste bin, one 4 cubic yard cardboard bin and one 95-gallon mixed recyclables bin.
	Each Additional 20,000 sf ¹	Space for two 4 cubic yard bins for waste, one 4 cubic yard bin for cardboard and two 95-gallon rolled container for mixed recyclables.

¹ Or fraction thereof.

Container Dimensions

Approximate Container Dimensions: One Cubic Yard = Approximately 7 standard 30-gallon garbage bags.

Provide at least 10 inches space between the 2, 3, 4, & 6 cubic yard container

All sizes include wheels (except the 6 cubic yard).

Size	Can Equivalent	Length	Width	Height (Front)	Height (Rear)
2 Yard ³	14	80"	35"	43"	50"
3 Yard ³	21	80"	42"	50"	59"
4 Yard ³	28	80"	51"	54"	65"
6 Yard ³	42	80"	58"	64"	71"
Rear Loader & Rolled Containers					
Size	Can Equivalent	Length	Width	Height (Front)	Height (Rear)
2 Yard ³ RL	14	79"	38"	48"	48"
95 Gal	3	29"	34"	41"	41"

20 cubic yard roll-off	8 feet	18 feet	8 feet
30 cubic yard roll-off	8 feet	24 feet	8 feet
Vertical (Approach and Exit)	15' High		
Vertical (Rails Raised with Bin)	25' High		
Lateral	12' Wide		
Service Area Length	75' Long		



**Calculation for
Recycling & Waste Generation and Service Requirements
For Enclosure Design**

Please fill out and attach this document to your commercial property plan submittal. This document will assist you and City staff in determining the appropriate enclosure size for this property. Recycling is generally serviced once per week. Fewer trash service days results in lower costs:

Date: _____

Applicant Name: _____

Owner Name: _____

Property Address: _____

Parcel Number: _____

Intended use(s) for Building(s): (Restaurant/Bar include square footage and seating; Multi-Family include number of units; Office & General Commercial include square footage; Retail include square footage and anticipated number of tenants; Industrial include square footage and anticipated usage)

Anticipated material to be generated at site: (i.e. food, trash (non recyclable material), cardboard, office paper, drinking containers (glass, aluminum, plastic) newspapers & magazines, tallow)

Anticipated Level of Service:

Trash: (2, 3, 4, 6 cubic yard)

Container Size(s):

Quantity: _____ **Size:** _____ **Serviced:** _____ **Times per week**

Tallow (usually 55-gallon drums): Please state size.

Container Size(s):

Quantity: _____ **Size:** _____ **Serviced:** Usually once per week. Check with local Tallow Company.

Cardboard Recycling: (2, 3, 4, 6 cubic yard)

Container Size(s):

Quantity: _____ **Size:** _____ **Serviced:** _____ **Times per week.**

Office Paper/Drinking Container Recycling: (65 and 95 gallon carts)

Quantity: _____ **Size:** _____ **Serviced:** Generally serviced once per week.

If you have questions, please contact Angela Brantley at (831) 646-5662 or brantley@ci.monterey.ca.us