



Building and Safety

City of El Segundo
350 Main Street, El Segundo,
California 90245-3895
(o) 310-524-2380
Permits@elsegundo.org

<https://www.elsegundo.org/government/departments/community-development/building-and-safety-division>

WASTE REDUCTION AND RECYCLING PLAN Compliance Report 2022 CALGREEN CODE Effective January 1, 2023

CONSTRUCTION WASTE MANAGEMENT PLAN REQUIRED

California Green Building Standards Code Sections 4.408 and 5.408 require the submittal of a construction waste management plan or the submittal of certified waste management facility receipts prior to final inspection. The Certificate of Occupancy (CO) and Temporary Certificate of Occupancy (TCO) cannot be issued without complete documentation and recycling facility receipts.

Submit the complete form and documentation with original recycling facility receipts prior to final inspection. Original, dated recycling facility receipts showing project addresses are required.

PROJECT INFORMATION

Plan Check Number:	Project Address:				
Description of Work:					
Project Type:	Alteration	Construction	Demolition	Addition (Residential)	Addition (Commercial)
<input type="checkbox"/>	Tenant Improvement				
Estimated Square Footage:	Start Date:	Completion Date:			

PROJECT OWNER CONTACT INFORMATION

Name:		
Company:		
Address:		
City:		
Daytime Phone:	Cell Phone:	Email:

REQUIRED DIVERSION AND ACKNOWLEDGEMENT

Project Type	
Project Area (square feet)	
Estimated Debris Weight (lbs)	
Required Diversion (Multiply Weight by 0.65)	

I hereby certify that I have read and state that this information is correct. I understand that the project final approval may be withheld until I comply with California Green Building Standards Code 4.408 or 5.408 which require a minimum of 65% construction and demolition waste diversion or the use of a certified waste management company.

Applicant Signature	Date
---------------------	------

CALGREEN CODE - CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING

4.408.1, 5.408.1 Construction waste management. Recycle and/or salvage for reuse a **minimum of 65%** of the nonhazardous construction and demolition waste in accordance with either Section 4.408.1, 5.408.1.

4.408.2, 5.408.1.1 Construction waste management plan. Submit a construction waste management plan meeting Items 1 through 5 of Section 4.408.2 or Items 1 through 4 of Section 5.408.1.1.

4.408.3, 5.408.1.2 Waste management company. Utilize a waste management company, approved by the City of El Segundo, which can provide verifiable documentation that diverted construction and demolition waste materials meet the requirements in Section 4.408.2 or 5.408.1.2.

4.408.4, 5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does not exceed 3.4 pounds per square foot of building area (4.408.4) or 2.0 pounds per square foot of building area (5.408.1.3) may be deemed to meet the 65 percent minimum requirement as approved by the El Segundo Building Safety Division.

4.408.5, 5.408.1.4 Documentation. Documentation shall be provided to the inspector which demonstrates compliance with Sections 4.408.2, 4.408.3, or 4.408.4 or 5.408.1.1 through 5.408.1.3.

5.408.3 Excavated soil and land clearing debris. 100 percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled.

METHODS OF COMPLIANCE

1. The contractor shall develop and maintain a waste management plan and document diversion and disposal, OR
2. Utilize a waste management company that certifies a minimum 65% waste diversion, OR
3. Waste stream reduction alternative.
 - Non-residential new construction projects with a combined disposal weight of less than 2 pounds per square foot may be deemed to meet the 65% minimum diversion requirement.
 - Residential low rise (3 stories or less) with a combined weight of new construction disposal less than 3.4 pounds per square foot may be deemed to meet the 65% minimum diversion requirement.
 - Residential high rise (4 stories or more) with a combined weight of new construction disposal less than 2 pounds per square foot may be deemed to meet the 65% minimum diversion requirement.

RECYCLING BY OCCUPANTS (SPACE FOR RECYCLING)

Newly constructed non-residential buildings, certain non-residential additions and multi-family housing with ≥ 5 units should provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at minimum) paper, corrugated cardboard, glass, plastics, organic waste and metals. (4.410.2, 5.410.1)

UNIVERSAL WASTE (NON-RESIDENTIAL PROJECTS)

Universal waste (as defined in CALGreen Section 202) including batteries, electronic devices, mercury-containing equipment, lamps, cathode ray tubes, cathode ray tube glass, aerosol cans from non-residential addition and alteration projects shall require verification that the materials are disposed of properly and diverted from landfills. A list of prohibited universal waste materials shall be included in the construction documents. This is required for non-residential projects subject to the requirements of the California Green Buildings Standards Code (additions of 1,000 square feet or greater and/or building alterations with a permit valuation of \$200,000 or more (CALGreen Sections 301.3 and 5.408.2)

WHAT ARE CONSTRUCTION AND DEMOLITION MATERIALS?

Materials	Components
Wood	Lumber, plywood, scraps, laminates (no pressure-treated wood)
Drywall	Sheetrock, gypsum, plaster
Metals	Pipes, rebar, flashing, steel, aluminum, copper, brass, stainless steel
Plastics	Vinyl siding, doors, windows, floor tiles, pipes
Roofing	Asphalt & wood shingles, slate, tile, roofing felt
Rubble	Asphalt, concrete, cinder block
Brick	Bricks and decorative blocks
Glass	Windows, mirrors, lights
Miscellaneous	Carpeting, fixtures, insulation, ceramic tile

COMPLIANCE

Diversion of debris to a recycling facility does not require an additional step by the contractor or homeowner/builder. The difference is where the debris is hauled – to a recycling facility instead of a landfill.

The same methods of collection or containment that are used for waste disposal can be used for recycling. Typically, a bin from a waste hauling company is rented to contain and transport the debris from the job site. Many of the waste haulers licensed to do business in the City already recycle the construction and demolition debris they transport because they find it a savings to do so. Using one of the waste haulers that already recycles debris is an acceptable method of meeting the requirements of the California Green Building Standards Code.

Sorting the waste into different types of materials is not required or necessary to recycle. The debris can be taken to Material Recovery Facilities (MRFs) that accept and sort co-mingled debris. By pre-sorting the debris, however, the contractor or homeowner could get money back from the recycling facility for certain materials.

ESTIMATION OF DEBRIS TONNAGE

This chart below illustrates the typical amount of construction debris created in pounds per square foot for the most common types of residential and non-residential projects.

ESTIMATED DEBRIS GENERATION (pounds per square foot)

Reroofs

- Shingles Only 2.5 lbs/sf
- Shingles & Sheathing 5.0 lbs/sf

Residential Construction

- New 4.5 lbs/sf
- Demolition 115.0 lbs/sf
- Renovation 24.0 lbs/sf

Non-Residential Construction

- New 4.0 lbs/sf
- Demolition 155.0 lbs/sf
- Renovation Medical Office 3.0 lbs/sf
- Renovation Tenant Improvement 5.0 lbs/sf
- Renovation Retail Space 10.0 lbs/sf

CONSTRUCTION AND DEMOLITION MATERIALS CONVERSION WORKSHEET

Use this worksheet to convert from common construction units to TONS. This worksheet can be used to complete a Waste Management Plan (WMP) or Recycling Summary Report (RSR), but it does not have to be completed or submitted. WMPs and RSRs should be submitted with all materials listed in TONS.

Step 1. Calculate scrap or waste quantity for each material in typical units (square feet, board feet, or cubic yards). Calculate from materials take offs and waste factors. Enter into Column 1.

Step 2. Multiply by the conversion factor in Column II and input answer in Column III.

Step 3. Transfer the TONS listed in Column III to the Waste Management Plan (WMP) or Recycling Summary Report (RSR), Column A, (page 5) and follow the directions on those forms.

Material Category	Column I		Column II	Column III
	Volume	Unit	Tons/Unit	Tons
Asphalt/Concrete				
Asphalt (broken)		CY	0.7	=
Concrete (broken)		CY	0.9	=
Concrete (solid slab)		CY	1.3	=
Brick/Masonry/Tile				
Brick (broken)		CY	0.7	=
Brick (whole, palletized)		CY	1.512	=
Masonry block (broken)		CY	0.6	=
Tile		SF	.00175	=
Building Materials (doors, fixtures, windows, plate glass, cabinets)		CY	.15	=
Cardboard		CY	.05	=
Carpet				
flat		SF	.0005	=
loose		CY	.3	=
Carpet Padding/Foam				
flat		SF	.0000002	=
loose		CY	.00013	=
Ceiling Tiles				
Whole (Palletized)		SF	.0003	=
loose		CY	.0875	=
Drywall, new or used				
1/2"		SF	.0008	=
5/8"		SF	.00105	=
mixed		CY	.25	=
Scrap Metal		CY	.453	=
Wood & Pallets (no pressure-treated lumber)				
clean, unpainted		BD FT	.00138	=
loose		CY	.15	=
Non-Recyclable Debris		CY	.175	=
Recyclable Mixed Debris		CY	.175	=

CY – Cubic Yards, SQ FT = Square Feet, BD FT = Board Feet

Be prepared to provide weight receipts or other verifiable documents.

**WASTE MANAGEMENT PLAN (WMP)/RECYCLING SUMMARY REPORT (RSR)
PROJECT DIVERSION ACHIEVED**

Verifiable Project Diversion-Waste Reduction and Recycling Plan (Salvage, Reuse or Recycle): Fill out the following table with estimated tonnage for each material that will be generated (A = B + C). Original tags documenting this diversion are required. These tags will NOT be returned. If conversion factors are needed to convert weights, visit <http://www.calrecycle.ca.gov/>

Material Type	A. Estimated Total Debris Quantity (tons)	B. Estimated Salvage, Reuse, or Recycle (tons)	C. Estimated Disposal (Trash) (tons)	Hauler	Certified Recycling Facility or Disposal Destination
Asphalt and Concrete					
Brick/Masonry/Tile					
Cabinets, *Doors, Fixtures, Windows (Circle applicable)					
Cardboard					
Carpet/Padding/Foam					
Ceiling Tile (acoustic)					
Dirt					
Drywall					
Landscape Debris					
Mixed C & D Debris					
Mixed Inerts					
Roofing Materials					
Scrap Metal					
Stucco					
Universal Waste					
Unpainted Wood & Pallets					
Garbage/Trash					
Other					
TOTAL					

Determine the Project's Overall Recycling Rate (Percentage): $[\text{Total B}/\text{Total A}] \times 100 = \underline{\hspace{2cm}}\%$

Example:

TOTAL	20,000	13,400	6,000		
--------------	--------	--------	-------	--	--

OVERALL RECYCLING RATE: $13,400/20,000 = .67 \times 100 = \underline{67\%}$

Project Notes (if needed):



Construction and Demolition Debris Recycling Facilities in Los Angeles County

All (Mixed) Debris— Wood, drywall, metal, cardboard, Inert Debris, Land Clearing Debris, Soil		
Location	Facility Name	Phone
Canyon Country	Randfam/Rent-A-Bin ^h	(661) 250-5333
Gardena	California Waste Services ^h	(800) 839-5550
Lancaster	WM - Lancaster Landfill	(661) 726-3468
Long Beach	American Industrial Services	(800) 500-3881
Los Angeles (Downtown)	WM - Downtown Diversion	(213) 612-5005
Los Angeles (East LA)	Direct Disposal ⁿ	(323) 262-1604
Los Angeles (near Glendale)	American Reclamation ⁿ	(323) 245-0125
Pacoima	Cordova Construction Services	(818) 896-0509
Palmdale	WM - Palmdale Landfill ^h	(661) 947-7197
Santa Clarita	Burrtec Services ^h	(866) 270-5370
Santa Clarita	Republic Services	(800) 299-4898
Santa Monica	Southern California Disposal	(310) 828-6444
South Gate	Construction and Demolition Recycling, Inc.	(323) 357-6900
Sun Valley	Crown Recycling Services	(800) 633-9933
Sun Valley	WM - East Valley Diversion	(818) 252-0019

Inert Debris Only — Asphalt, asphalt concrete, concrete, concrete blocks, gravel, rocks, soil		
Location	Facility Name	Phone
Lancaster	Arrow Transit Mix, Inc.	(661) 945-7600
Long Beach (North)	Hanson Aggregates	(626) 856-6700, Option 1
Long Beach (South)	Hanson Aggregates	(636) 856-6700, Option 1
Los Angeles (Boyle Heights)	Security Paving Company, Inc. (formerly 25th Street Recycling)	(818) 362-9200
Los Angeles (South)	Grit & Gravel, Inc. (does not accept soil)	(424) 800-3831
Monrovia	Peck Road Gravel	(626) 574-1855
Sun Valley	AMH Recycling	(818) 768-5202, ext. 245
Sun Valley	Vulcan Materials	(818) 983-0146
Sun Valley	RAMCO (does not accept soil)	(818) 767-0700
Sun Valley	Security Paving Company, Inc. (formerly Bradley Recycling)	(818) 362-9200

Land Clearing Debris — Green waste, clearing and grubbing		
Location	Facility Name	Phone
Granada Hills	North Hills Recycling	(818) 831-7980
Newhall	Foothill Soils, Inc. ^{*h}	(661) 254-1045
Pomona	Recycled Wood Products ^{*h}	(909) 868-6882
Santa Fe Springs	Greencycle ^{*h}	(562) 906-5223
Sun Valley	WM - Bradley East Transfer Station	(818) 767-6180

Deconstructed Material Only		
Location	Facility Name	Phone
Los Angeles (Boyle Heights)	Freeway Building Materials	(323) 261-8904
Los Angeles (Boyle Heights)	Southern California Architectural Salvage	(213) 623-3119
Los Angeles (near Glendale)	The Reuse People	(818) 244-5635
Pasadena	Pasadena Architectural Salvage	(626) 535-9655

^h This facility is also a County authorized commercial waste hauler that may provide roll-off bin service

^{*} This facility also accepts soil.

If you are a recycling company and you would like to be added to this list or you have information to update the existing list, please contact the C&D Unit at (626) 458-3517, or CND@pw.LACounty.gov.

The information presented above is subject to change without notice, and is based on the most readily available information. The facilities listed are not endorsed or recommended by Los Angeles County, nor is the list necessarily inclusive of all recycling facilities in the region.

List of Authorized Commercial Franchise Waste Haulers Servicing the Unincorporated Areas of Los Angeles County

(In alphabetical order)

	Hauler Name	Customer Service Number	Office Hours	Address	Website	Dumpster Service	Roll-Off/Bin Rental Service	Food Waste Service*	Green Waste Service*
1	AAA Rubbish, Inc.	(800) 310-2248	Mon to Fri 7 am - 5 pm	6920 Foster Bridge Blvd. Bell Gardens, CA 90202	www.aaarubbish.com	✓	✓	Y	Y
2	American Reclamation, Inc.	(888) 999-9330	Mon to Fri 6 am - 5 pm Sat 6 am - 3 pm	4560 Doran St. Los Angeles, CA 90039	www.americanreclamationinc.com	✓	✓	Y	Y
3	Arrow Disposal Service	(626) 336-2255	Mon to Fri 6 am - 5:30 pm Sat 7 am - 12 pm	14245 Proctor Ave. La Puente, CA 91746	www.arrowdisposalservices.com		✓	S	S
4	Athens Services	(888) 336-6100	Mon to Fri 7 am - 5 pm Sat 7 am - 12 pm	15045 Salt Lake Ave, City of Industry, CA 91746	www.athensservices.com	✓	✓	Y	Y
5	Burrtec Waste Industries, Inc.	(800) 325-9417	Mon to Fri 8 am - 5 pm	1017 W. Gladstone St. Azusa, CA 91702	www.burrtec.com	✓	✓	Y	Y
6	California Waste Services, LLC	(800) 839-5550	Mon to Fri 7 am - 5 pm	621 W. 152nd St. Gardena, CA 90247	www.californiawasteservices.com		✓	S	S
7	Calmet Calsan Inc. & Metropolitan	(562) 259-1239	Mon to Fri 8 am - 5 pm	7202 Petterson Lane Paramount, CA 90723	www.calmetservices.com	✓	✓	Y	Y
8	Consolidated Disposal Services/ Allied Waste Services	(800) 299-4898	Mon to Fri 7 am - 5 pm Sat 7 am - 12 pm	12949 Telegraph Rd. Santa Fe Springs, CA 90670	www.republicservices.com	✓	✓	Y	Y
9	C R & R Incorporated	(800) 826-9677	Mon to Fri 8 am - 5 pm	11292 Western Ave. Stanton, CA 90680	www.crrwasteservices.com	✓	✓	Y	Y
10	EDCO Disposal Corporation	(619) 287-7555	Mon to Fri 7:30 am - 5:30 pm Sat 8 am - 12 pm	P.O. Box 116 Lakewood, CA 90714	www.edcodisposal.com	✓	✓	Y	Y
11	Haul-Away Rubbish Service Co.	(323) 721-0371	Mon to Fri 8 am - 4 pm	1205 Date St. Montebello, CA 90640	www.haulawayrubbish.com	✓	✓	Y	Y
12	Heritage Disposal	(626) 576-7325	Mon to Fri 8 am - 4 pm	704 S. Date Ave. Alhambra, CA 91803	www.heritagedisposal.com		✓	S	S
13	Interior Removal Specialist, Inc.	(323) 357-6900	Mon to Fri 8 am - 5 pm Sat 8 am - 4 pm	8990 Atlantic Ave. South Gate, CA 90280	www.irsdemo.com		✓	S	S

For more information, please call Los Angeles County's Trash Collection Hotline at (888) CLEAN- LA Monday-Thursday, 7 a.m. to 5 p.m. or visit www.businessrecycling.com

* Denotes commercial waste haulers that

Y=yes-offers food waste and/or green waste collection service.

S=hauler sub-hauls the service to another authorized hauler

P=pending



List of Authorized Commercial Franchise Waste Haulers Servicing the Unincorporated Areas of Los Angeles County

(In alphabetical order)

	Hauler Name	Customer Service Number	Office Hours	Address	Website	Dumpster Service	Roll-Off/Bin Rental Service	Food Waste Service*	Green Waste Service*
14	Mountainside Disposal	(661) 831-2837	Mon to Fri 8 am - 4 pm	8665 S. Union Ave. Bakersfield, CA 93307	www.pricedisposal.com	✓	✓	Y	Y
15	Nasa Services, Inc.	(888) 888-0388	Mon to Fri 7 am - 5 pm Sat 7 am - 12 pm	1100 S Maple Ave. Montebello, CA 90640	www.nasaservices.com	✓	✓	Y	Y
16	Patriot Services, Inc.	(323) 838-9375	Mon to Fri 8 am - 5 pm	P.O. Box 145 Montebello, CA 90640	http://www.patriotservinc.com		✓	Y	Y
17	Ranfam Inc./Rent-A-Bin	(818) 709-5599	Mon to Fri 8 am - 4 pm Sat 8 am - 1 pm	9643 Cozycroft Ave. Chatsworth, CA 91311	www.rent-a-bin.com		✓	Y	Y
18	Serv-Wel Disposal Service/ A Rent-A-Bin	(888) 768-2246	Mon to Fri 7 am - 3:30 pm Sat 7 am - 12 pm	901 S. Maple Ave. Montebello, CA 90640	www.servwel.com	✓	✓	Y	Y
19	Southland Disposal Company	(323) 780-7150	Mon to Fri 7 am - 5 pm Sat 7 am - 1 pm	1525 Fishburn Ave. Los Angeles, CA 90063	www.southlanddisposal.com	✓	✓	Y	Y
20	Universal Waste Systems, Inc.	(800) 631-7016	Mon to Fri 8 am - 12 pm	9016 Norwalk Blvd. Santa Fe Springs, CA 90670	www.uwscompany.com	✓	✓	Y	Y
21	Valley Vista Services, Inc.	(800) 442-6454	Mon to Fri 8 am - 5 pm Sat 8 am - 1 pm	17445 East Railroad St. City of Industry, CA 91748	www.valleyvistaservices.com	✓	✓	Y	Y
22	Ware Disposal, Inc.	(877) 714-9273	Mon to Fri 7 am - 5:30 pm Sat 7 am - 3 pm	1035 East 4 th St. Santa Ana, CA 92701	www.waredisposal.com	✓	✓	Y	Y
23	Waste & Recycling Services, Inc.	(562) 945-2688	Mon to Fri 8 am - 5 pm	13714 Chestnut St. Whittier, CA 90605	www.4wrs.com	✓	✓	Y	Y
24	Waste Management Antelope Valley	(661) 947-7197	Mon to Fri 8 am - 5 pm	1200 West City Ranch Rd. Palmdale, CA 93551	www.wm.com	✓	✓	Y	Y
25	Waste Management San Gabriel Valley	(626) 539-9686	Mon to Fri 8 am - 5 pm	13940 East Live Oak Ave. Baldwin Park, CA 91706	www.wm.com	✓	✓	Y	Y
26	Waste Management Los Angeles Metro Area	(888) 905-9279	Mon to Fri 8 am - 5 pm	1970 East 213th St. Long Beach, CA 90810	www.wm.com	✓	✓	Y	Y
27	Waste Management/G.I. Industries	(805) 522-9400	Mon to Fri 8 am - 5 pm	195 West Los Angeles Ave. Simi Valley, CA 93065	www.wm.com	✓	✓	Y	Y

For more information, please call Los Angeles County's Trash Collection Hotline at (888) CLEAN- LA Monday-Thursday, 7 a.m. to 5 p.m. or visit www.businessrecycling.com

* Denotes commercial waste haulers that

Y=yes-offers food waste and/or green waste collection service.

S=hauler sub-hauls the service to another authorized hauler

P=pending