

Construction Waste Management Plan (CWMP) Acknowledgement (Provide During Plan Review)

The City of Azusa is mandated by the State of California to implement programs to reduce the amount of waste sent to landfills by 65% by the year 2017 and beyond. In order to comply with the CalGreen Code, Section 4.408 and 5.408; the City requires all general contractors and homerowners to provide a Construction Waste Management Plan (CWMP). The plan outlines how recoverable material will be diverted from the landfill. **Weight slips documenting the actual disposed and diverted amounts must be provided. The final CWMP must be completed at the conclusion of the project and submitted to the Building & Safety Division prior to final inspection.** An estimated CWMP must be completed and submitted to the Building & Safety Division prior to permit issuance. Per the City's Sole Franchise Hauler Agreement, all hauling resulting from construction or demolition activities may only be contracted through Athens Services per Azusa Municipal Code, Chapter 58, Sec. 58.37.

Acknowledgement

I have received a copy of the City of Azusa's Construction Waste Management Plan.

It is acknowledged and agreed that during construction the _____
(Name: General Contractor/Homeowner)

_____ will monitor and maintain compliance with the

Construction Waste Management Plan provided to the City of Azusa by the _____

(Name: General Contractor/Homeowner)

The signature below represents acknowledgement and agreement with the City of Azusa Construction Waste Management Plan. Prior to final inspection the complete CWMP package, pages 1 through 4, shall be provided to the Building & Safety Division.

COMPANY NAME: (General Contractor/Homeowner)		
Responsible Person's Name (Print):		Responsible Person's Name (Signature):
CSLB License Number:	Date Signed:	Company Position or Title:



Construction & Demolition Debris Recycling & Reuse Program

WASTE MANAGEMENT PLAN (WMP) (Form 1)

*This form is to be completed and submitted with the application for a building or demolition permit for all projects. **All applicants will be expected to divert at least 65% of the construction and demolition debris through recycling or reuse, unless an exemption is approved by the City.***

Please indicate if your project is:

- ☐ Residential: _____ Single Family _____ MultiFamily
☐ Commercial
☐ Industrial
☐ Other

Please Indicate which haul method you will be using: (check one)

- ☐ Athens Services **-OR-** ☐ Self-Haul (See note below.)

Project Address (include floor, suite, etc.) _____

Applicant: _____

Contact Person: _____ Telephone: _____

Applicant Address: _____

1. Type of Project: ☐ New Construction ☐ Renovation ☐ Demolition

2. Size of Project: _____ square feet

3. Estimated start date: _____ Estimated completion date: _____

4. Estimated quantity of construction and demolition debris to be generated: _____ tons

Note: The actual quantities of materials generated, recycled, and reused must be reported to the city when the project is completed.

5. How will recyclable materials be handled at the job site?

Recyclable materials will be placed in separate bins (source separated) ☐

All recyclable materials will be placed in a common bin ☐

Recyclable materials and trash will be placed in the same bin and sorted offsite ☐

(Offsite sorting location/facility) _____

Note: Contractors/Homeowners wishing to self-haul recyclable materials to any City of Azusa approved recycling facilities, must own the collection container(s) and vehicle(s) in which the recyclable materials are hauled. Self-hauling is to be performed only by the Contractor/Homeowner or their employees. Self-hauling of refuse from a construction or demolition site is not permitted. **Collection container(s) other than those provided by Athens Services must have permanent signage bearing the name and contact information of either the Owner Builder or the Contracting Construction Company on all containers utilized by the job site.**

6. What types of recyclable materials are expected to be generated (check all that apply)?

- | | | |
|--|--|---|
| ☐ Asphalt or concrete | ☐ Brick or masonry tile | ☐ Cardboard |
| ☐ Drywall | ☐ Dirt or rock | ☐ Landscape debris |
| ☐ Unpainted lumber or wood | ☐ Scrap metal | ☐ Mixed materials |
| ☐ Useable building materials (doors, windows, fixtures, etc.) | ☐ Plastics | |
| ☐ No recyclable materials will be generated | ☐ Other | |

7. The percent of the construction and demolition debris from the job site that will be diverted either through recycling or reuse will be:

- ☐ 65% of total generated ☐ More than 65% ☐ Less than 65% (provide explanation)

The 65% diversion requirement will not be met for this project because:_____

Note:A building or demolition permit for this project will not be issued unless this plan demonstrates that at least 65% of the C&D debris will be diverted. The city may grant an exemption from this requirement but only if the applicant can demonstrate that the project will not generate sufficient recyclable materials. **It is the applicant's responsibility to demonstrate why the 65% diversion requirement cannot be met.**

8. Disposal/Recycling Facilities to be used by applicant:

Note to Applicants: Obtain receipts or weight tickets from all facilities or vendors so that the quantities of materials recycled, reused, or disposed can be verified. As required by the City Municipal Code, these receipts are subject to review and audit, and must be presented to the city upon request.

Vendors or facilities for the materials that will be recycled or reused:

Vendor or Facility Name	Material to be recycled or reused
_____	_____
_____	_____
_____	_____
_____	_____

Disposal facility to be used for trash from the job site: _____

Applicant Contact Name (printed): _____

Signature: _____ Date: _____

For City Use Only: Reviewed by: _____ Date: _____

Permit #: _____

Disposition: ☐ Approved ☐ Incomplete. Deficiencies noted below:



Construction Waste Management Plan (CWMP) Worksheet (Form 2)

(Provide During Plan Review and During Construction)

Anticipated Material Disposal/Diversion Worksheet

Please complete this worksheet to help identify the types of materials, estimated quantities, and how the waste material will be reduced, recycled, or disposed from your project site. Estimates should be calculated in tons (see Materials Conversion Table on page 4 for conversion factors if needed).

Comingling Sorting:

Sorted on Site:

Project Name:				
APN:		Permit #		
Material Type	A	B	C	D
	Total Quantity Construction Wastes	Salvaged or Reuse	Recycled	Disposal (non-recyclable)
EXAMPLE: Asphalt	1 ton	0.25 tons	0.5 tons	0.25 tons
Asphalt				
Concrete				
Shotcrete				
Metals				
Wood				
Rigid Insulation				
Fiberglass Insulation				
Acoustic Ceiling Tile				
Gypsum Drywall				
Carpet/Carpet Pad				
Plastic Pipe				
Plastic Buckets				
Plastic				
Hardiplank Siding & Boards				
Glass				
Cardboard				
Pallets				
Job office trash, paper, glass & plastic bottles, cans, plastic				
Alkaline & rechargeable batteries, toner cartridges, and electronic devices				
Other (specify)				
TOTALS				

(Total Column B + Column C) / Column A = # x 100% = Total Diversion Percentage _____%

Is the percentage listed above greater than or equal to 65% ☐ Yes ☐ No

- OR -

Total pounds disposed/total square footage of project = _____ lbs/sq ft (Residential: Maximum 3.4 lb/sq ft)

Are the lbs/sq ft listed above < / = 2 pounds/square foot (non-residential construction **only**) ☐ Yes ☐ No



Construction Waste Management Plan (CWMP) Conversion Chart

Material	Pounds/CY	Tons/CY
Acoustical Ceiling Tiles	68	0.03
Asphalt	1380	0.69
Brick	3024	1.51
Cardboard	100	0.05
Carpet	84	0.04
Concrete	1855	0.93
Drywall	1620-2160	0.81-1.08
Fiberglass Insulation	17	0.085
Glass (Window)	80-100	0.04-0.05
Gypsum Drywall	500	0.27
Mixed Construction & Demolition Debris	900	0.45
Mixed Office Recycling	363.5	0.18
Mixed Plastics	32	0.02
Mixed Waste/Trash	100-350	0.05-0.0178
Pallet	35 (one average size)	0.175
Plastic Pipes	341	0.17
Scrap Metal	906	0.45
Wood	329	0.27
Brush (prunings)	47	0.02
Pine Needles	74	0.04
Stumps	1080	0.54
Metals	906	0.45

For more conversion factors, please visit <http://www.calrecycle.ca.gov> and search "Conversion Factors".

Single Family Residential Only

Table 2: National Association of Home Builders Construction Waste Estimate of a Typical 2,000 sf house.

Material	Weight (lbs)	Volume (CY)
Solid Dimensional Wood	1600	6
Engineered Wood	1400	5
Drywall	2000	6
Cardboard	600	20
Metal	150	1
PVC	150	1
Masonry	1000	1
Hazardous Materials	50	-
Other	1050	11
TOTAL	8000	50