



City of Tustin Construction and Demolition Debris Recycling Requirements

The California Green Building Standards Code requires project applicants to recycle or divert from landfills at least 65% of the waste created by construction projects.

- Prior to issuance of any building, demolition, grading and/or landscape permit, the project applicant shall submit a Waste Reduction and Recycling Plan (WRRP) to the Public Works Department Engineering Division demonstrating the amount of waste to be generated and a plan to divert at least 65% of all project-related C&D waste from local landfills.
- The WRRP will be reviewed in conjunction with the permit application to determine the project security deposit amount. The security deposit will be collected with a \$50 nonrefundable application fee at permit issuance. The application fee will only be collected if a security deposit is required.
- The security deposit will be refunded once the Building Division has signed off on the project and the applicant has demonstrated that a minimum of 65% of the project waste was diverted from the landfill.
- Upon project completion, all permittees are required to submit a WRRP Final Project Report detailing all project related C&D debris collection, disposal and diversion information along with receipts and/or weight tickets to substantiate reported waste diversion.

FAILURE TO COMPLY WITH RECYCLING REQUIREMENTS MAY RESULT IN THE FORFEITURE OF THE APPLICANT'S DEPOSIT

Use of City's Contract Waste Hauler

The City encourages applicants to utilize the City's contract waste hauler. The City requires the hauler to process all construction and demolition material in a manner that removes recyclable materials prior to delivery to the landfill. This eliminates the need for onsite sorting of waste by material type and delivery to multiple processing facilities. Permit applicant, not the waste hauler, is responsible for quantifying amount of materials generated.

Self-Hauling Recommendations and Project Site Waste Management

Should you choose to self-haul recyclable material to a processing facility(ies), the City of Tustin requires that you report the amount of waste that is recycled by material type. Please refer to page 2 of the application for the complete list. To best account for specific material types, the City recommends good project site waste separation practices to ensure that recyclable materials are recovered and sent to recycling facilities. Utilizing separate disposal bins for different material types is one method to easily separate materials. Permit applicants, not a waste hauler, are responsible for ensuring that recyclable materials are delivered to the appropriate facility.

Attachments:

- 1. Waste Reduction and Recycling Plan Application Form (3 pages)**
- 2. Approved Recycling Facilities List**
- 3. Materials Volume-To-Weight Conversion Worksheet**



Construction & Demolition Debris WASTE REDUCTION & RECYCLING PLAN

A Waste Reduction and Recycling Plan (WRRP) must be completed by the permit applicant for all construction and demolition projects. Building and/or demolition permits will not be issued without an approved WRRP. (Ord. # 1442)

Submit with Permit Application to:
Public Works Engineering Division, 300 Centennial Way, Tustin, CA 92780
Or fax to 714.734.8991. If you have questions, please call 714.573.3150.

Permit #: _____

Project Address: _____

Applicant Name: _____

Company Name: _____

Phone: _____ **E-mail:** _____

Type of Project: New Construction Addition/Alteration Demolition
(Mark all that apply)
 Grading Landscape

Type of Building: Commercial Single Family Residence Multifamily

Tenant Improvement? Yes No

Waste Management Requirements

If self-hauling material to processing facilities, the following requirements apply:

1. Applicant shall recycle, salvage or reuse 65% or more of the waste materials generated on the job site.
2. Applicant shall separate recyclable materials from other waste material on the job site and/or deliver to an approved material recovery facility.
3. Applicant shall submit receipts and/or weight tickets for all recycled, salvaged and disposed material with the Final Project Report.
4. Applicant shall track materials disposed and recycled by delivery location and by volume or weight.
5. Applicant shall use the City's contract waste hauler for all materials to be transported to a landfill.

If you believe you will be unable to comply with the 65% diversion requirement, explain why:

In the table below, review each material type and indicate if you expect to generate said material. Identify whether the material will be recycled and whether it will be sorted on site or mixed and sent to a sorting facility. Please note the destination facility for each material type you expect to generate. This can be a recycling facility or landfill.

Material Type	Will this material be generated? (Yes/No)	If generated, will this material be recycled? (Yes/No)	Will material be sorted on site or mixed? (Sorted/Mixed)	Destination (Facility Name and City)
Asphalt & Concrete (No Soil)				
Brick/ Masonry / Tile				
Building Materials (doors, windows, fixtures, etc.)				
Cardboard				
Carpet				
Carpet Padding / Foam				
Ceiling Tile (acoustic)				
Drywall (used)				
Drywall (new, unpainted sheets or scrap)				
Landscape Debris- Residential				
Landscape Debris- Commercial & Multifamily (100% diverted)		Yes		
Scrap Metal				
Soil-Residential				
Soil-Commercial & Multifamily (100% diverted)		Yes		
Unpainted wood & pallets				
Garbage/ Trash		No		

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Estimated total amount of waste in tons: _____
Estimated total amount of waste to be reused on site: _____
Estimated total amount of waste to be recycled: _____
Estimated total amount of waste to be landfilled: _____

Per the City's agreement with CR&R, Inc., all construction and demolition material collected must be processed at a facility to remove recyclable materials from the waste stream. Utilizing CR&R exclusively to haul C&D waste associated with this project eliminates the need to separate materials on site and provides for automatic compliance with the Waste Management Requirements listed on page 1 of this application. Use of CR&R does not eliminate the requirement to submit a deposit. However, refund of the security deposit is generally accelerated due to reduced need for staff review.

Indicate if ***all*** material will be collected by CR&R, Inc., the City's contract trash hauler: Yes _____ No _____

I acknowledge and agree to the waste management requirements listed above and hereby certify that the above information is true and correct to the best of my knowledge.

Signature: _____

Date: _____

For City Use Only:	
PW – Approved by _____	Date: ____/____/____
Building Division Valuation: _____	
Deposit Amount: _____	
Application Fee: _____	

TOTAL DUE: _____	TOTAL PAID: _____



MATERIALS VOLUME-TO-WEIGHT CONVERSION WORKSHEET

This worksheet lists materials typically generated from a construction or demolition project and provides formulas for converting common units (i.e. cubic yards, square feet and board feet) to tons.

<u>Material/Category</u>	<u>Column I Volume</u>	<u>Unit</u>	<u>Column II Tons/unit</u>	=	<u>Column III Tons</u>
Asphalt/Concrete					
Asphalt (broken)	_____	cy	x	0.7	= _____
Concrete (broken)	_____	cy	x	0.9	= _____
Concrete (solid slab)	_____	cy	x	1.2975	= _____
				Total	= _____
Brick/Masonry/Tile					
Brick (broken)	_____	cy	x	0.7	= _____
Brick (whole, palletized)	_____	cy	x	1.512	= _____
Masonry block (broken)	_____	cy	x	0.6	= _____
Tile	_____	sq ft	x	0.00175	= _____
				Total	= _____
Building Materials (doors, windows, cabinets, etc.)	_____	cy	x	0.15	= _____
Cardboard (flat)	_____	cy	x	0.05	= _____
Carpet					
By square foot	_____	sq ft	x	0.0005	= _____
By cubic yard	_____	cy	x	0.3	= _____
Carpet Padding/Foam	_____	sq ft	x	0.000125	= _____
Ceiling Tiles					
Whole (palletized)	_____	sq ft	x	0.0003	= _____
Loose	_____	cy	x	0.0875	= _____
				Total	= _____
Drywall (new or used)					
1/2" (by square foot)	_____	sq ft	x	0.0008	= _____
5/8" (by square foot)	_____	sq ft	x	0.00105	= _____
Demo/used (by cubic yard)	_____	cy	x	0.25	= _____
				Total	= _____
Landscape Debris (brush, trees, etc)	_____	cy	x	0.15	= _____
Scrape Metal	_____	cy	x	0.453	= _____
Unpainted Wood & Pallets					
By board foot	_____	bd ft	x	0.001375	= _____
By cubic yard	_____	cy	x	0.15	= _____
Garbage/Trash	_____	cy	x	0.175	= _____

cy = cubic yards

sq ft = square foot

bd ft = board foot