



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 50% 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 50% 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 application fee prior to 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 50% 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 and 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. Refund of the security deposit is generally accelerated due to reduced need for staff review.

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 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

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 50% 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 weigh 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 using the City's contract waste hauler, CR&R, for **all** project related construction and demolition waste, applicant shall submit receipts with the Final Project Report.

If you believe you will be unable to comply with the 50% diversion requirement, explain why:

Continued on next page...

In the table below, list estimated tonnage for each material type you expect to generate and the destination facility for each material type. Specific instructions are provided below.

- Column A:** List total estimated quantities of waste for each material type **(in tons)**. To convert volume to tons, use the Materials Conversion Worksheet provided in your packet.
- Column B:** List the estimated quantity to be recycled salvaged or reused.
- Column C:** List the estimated quantity to be disposed of in a landfill.
- Column D:** State the name of facilities used to reuse, recycle or dispose of material listed.
- Column Totals:** Add up all quantities listed in Columns A, B & C.

NOTE: To obtain a refund of your deposit, receipts and/or weigh tickets must be provided with your Final Project Report.

ITEM #	Material Type	A Total Quantity of Material (Estimate in tons)	B Recycled, Salvaged, or Reused (Estimate in tons)	C Disposal (Estimate in tons)	D Destination (Facility Name and City)
1	Asphalt & Concrete (No Soil)				
2	Brick/ Masonry / Tile				
3	Building Materials (doors, windows, fixtures, etc.)				
4	Cardboard				
5	Carpet				
6	Carpet Padding / Foam				
7	Ceiling Tile (acoustic)				
8	Drywall (used)				
9	Drywall (new, unpainted sheets or scrap)				
10	Landscape Debris-Residential				
11	Landscape Debris-Commercial & Multifamily (100% diverted)				
12	Scrap Metal				
13	Soil-Residential				
14	Soil-Commercial & Multifamily (100% diverted)				
15	Unpainted wood & pallets				
16					
17	Garbage/ Trash				
	Column Total				

Continued on next page...

Using the Column Totals on the previous page, fill in the blanks below to determine if your proposed plan will comply with the City's requirement to recycle 50% or more of all project waste.

Column B _____ **divided by Column A** _____ = _____ **x 100 =** _____ **%**

If self-hauling any of the material types in the table above, provide the item number in the left column of the table: _____

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.

Indicate if **all** material will be collected by CR&R, Inc., the City's contract trash hauler.

Yes _____

No _____

Total Estimated Tons: _____

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: _____



**CITY OF TUSTIN APPROVED RECYCLING, CONSTRUCTION & DEMOLITION
DEBRIS & GREENWASTE PROCESSORS
JUNE 2014
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Construction & Demolition Debris (also see Transfer Stations)	
All American Asphalt (CORPORATE) 951-736-7600 400 E. 6 th Street Corona 1776 All American Way Corona 951-736-7660 Asphalt & clean asphalt shavings (Call ahead to confirm acceptance)	Consolidated Volume Transporter (CVT) 714-238-3301 1131 Blue Gum Anaheim Appliances, asphalt, brick, carpet, concrete, dirt, drywall, flooring, glass, greenwaste, metal, plastic, rebar, and wood. No liquid or hazardous waste. Additional charge for tires, refrigerators, A/C units. (Fee)
CR & R Transfer 714-895-7970 11232 Knott Avenue Stanton Appliances, asphalt, brick, carpet, concrete, dirt, drywall, flooring, glass, greenwaste, metal, plastic, rebar, and wood. No liquid or hazardous waste. Tires accepted. (Fee)	CR & R Waste & Recycling Services (714) 372-8272 <u>City's Trash Hauler</u>
Dan Copp Crushing Corp. 714-777-6400 Various locations throughout OC Asphalt, concrete, and rebar. Call for sites. Clean concrete, asphalt, rebar, and mesh. Mesh and rebar have to be sized (cut flush with the concrete). Sand at Anaheim location. (Fee)	El Toro Materials Co. 949-458-7993 Rocky Road at Portola Pkwy. Lake Forest Asphalt, concrete (broken concrete with rebar OK). (Fee)
Hanson Aggregates 800-300-6120 6145 Santiago Canyon Road Orange Clean concrete and asphalt. (Fee)	Rainbow Disposal 714-847-3581 17121 Nichols Street Huntington Beach Appliances, asphalt, brick, carpet, concrete, clean dirt, drywall, flooring, glass, greenwaste, metal, plastic, rebar, and wood. No liquid or hazardous waste. Tires / TVs accepted. (Fee)
RJ Noble 714-637-1550 15505 E. Lincoln Ave. at Batavia Orange Clean concrete, asphalt, dirt, sand, brick, and rock reclamation. (Fee)	Tierra Verde Industries 949-551-0363 6900 Marine Way Irvine Asphalt, brick, carpet, clean concrete, dirt, dry wall, flooring, glass, plastic, greenwaste and wood. No liquid or hazardous waste. (Fee)
Waste Management of Orange 714-282-0200 2050 N. Glassell Orange Appliances, asphalt, brick, carpet, drywall, flooring, glass, metal, rebar, and wood. No liquid or hazardous waste. Tires accepted. (Fee)	Waste Mgmt/Sunset Environmental 949-451-2600 16122 Construction Circle W. Irvine Appliances, asphalt, brick, carpet, concrete, dirt, drywall, flooring, glass, greenwaste, metal, plastic, rebar, and wood. No liquid or hazardous waste. Additional charge for tires, refrigerators, A/C units. (Fee)
Ewles Materials714.894.1988 8200 Katella Stanton, CA 90680	
Steel Recyclers (also see Transfer Stations)	
S A Recycling 714-630-6523 3200 E. Frontera Street Anaheim Appliances, metal, rebar, beams, any scrap metal, car bodies. Pick-up services MAY be available. (Buy Back)	All Variety Metals 714-835-9235 1016 Santiago Santa Ana Metal, rebar, wood. Call first. Ferrous and non-ferrous metals, usable wood. (Buy Back)



**CITY OF TUSTIN APPROVED RECYCLING, CONSTRUCTION & DEMOLITION
DEBRIS & GREENWASTE PROCESSORS
JUNE 2014
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Greenwaste Processors (also see Transfer Stations)

Aguinaga Company 949-786-9558 16355 Construction Circle W. Irvine Greenwaste only. No wood or pallets. (Fee)	Baker Canyon Green Recycling 714-649-9050 27910 Baker Canyon Rd. Silverado Greenwaste, clean untreated wood, clean dirt. (Fee)
Blue Ribbon Landscape/Nursery 714-633-3666 1425 N. Santiago Blvd. Orange Greenwaste. Clean green only. No roofing. Wood fences with no metal are OK. (Fee)	Tierra Verde Industries 949-551-0363 6900 Marine Way Irvine Asphalt, brick, carpet, clean concrete, dirt, dry wall, flooring, glass, plastic, greenwaste and wood. No liquid or hazardous waste, or appliances. (Fee)
Tierra Verde Industries 949-728-0401 31748 La Pata Rd. San Juan Capistrano Greenwaste/Wood (painted or with nails OK). Palms & Succulents OK. (Fee)	

Transfer Stations

Consolidated Volume Transporter (CVT) 714-238-3301 1131 N. Blue Gum Anaheim Appliances, asphalt, brick, carpet, concrete, dirt, drywall, flooring, glass, greenwaste, metal, plastic, rebar, and wood. No liquid or hazardous waste. Additional charge for tires, refrigerators, A/C units. (Fee)	CR & R Transfer 714-895-7970 11232 Knott Avenue Stanton Appliances, asphalt, brick, carpet, concrete, dirt, drywall, flooring, glass, greenwaste, metal, plastic, rebar, and wood. No liquid or hazardous waste, Tires accepted. (Fee)
Rainbow Disposal 714-847-3581 17121 Nichols Street Huntington Beach Appliances, asphalt, brick, carpet, concrete, clean dirt, drywall, flooring, glass, greenwaste, metal, plastic, rebar, and wood. No liquid or hazardous waste. Tires / TVs accepted. (Fee)	Waste Management of Orange 714-282-0200 2050 N. Glassell Orange Appliances, asphalt, brick, carpet, drywall, flooring, glass, metal, rebar, and wood. No liquid or hazardous waste. Tires accepted. (Fee)
Waste Mgmt/Sunset Environmental 949-451-2600 16122 Construction Circle W. Irvine Appliances, asphalt, brick, carpet, concrete, dirt, drywall, flooring, glass, greenwaste, metal, plastic, rebar, and wood. No liquid or hazardous waste. Additional charge for tires, refrigerators, A/C units. (Fee)	

Other Materials

J P Rebond 714-779-1565 1301 N. Hancock Street Anaheim Carpet pads and sofa cushions only. (Buy Back)	Websites that offer businesses some hazardous materials options: www.oilandfills.com www.enviroyellowpages.com
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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