



OC Waste & Recycling Construction & Demolition Program

300 North Flower Street, Suite 400, Santa Ana, CA 92703
Office 714-834-4000 Fax 714-834-4057

Construction & Demolition Waste Reduction and Recycling Application

****DIVERSION REQUIREMENT 50%****

Please save disposal/recycling receipts, as they are required for compliance verification.

Please complete the following form for construction and demolition materials produced as a result of the proposed construction/demolition project. Should you have any additional questions, please call OC Waste & Recycling at 714-834-4000.

Job Site Address: _____

Property Owner / Business Name:			
Address:	City:	State:	Zip:
Email:		Phone:	

Contractor:			
Address:	City:	State:	Zip:
Email:		License Class/Number:	Phone:

DESCRIPTION OF WORK	
Length of Project:	
Total Project Valuation: \$	Total Project Square Footage:

DEMOLITION		CONSTRUCTION	
Estimated Total Tonnage:		Estimated Total Tonnage:	
Exemption:			

Recycling / Reuse / Disposal Facilities / Franchised Waste Haulers

Please indicate the facilities that you plan to use for disposing of your unwanted materials. See attached list of County-approved facilities or franchised waste haulers.

Facility Name	Phone Number	Material Type	Estimated Tonnage

Administrative Fee

- A \$25.00 administrative cost-recovery fee will be collected for all covered projects. The application fee is based on costs related directly to staff time and materials for processing and reviewing each application.

Process for Compliance

- Upon completion of the recycling activity, the applicant will email, fax, mail, or hand-deliver copies of all receipts from the facility/hauler to OC Waste & Recycling.
- OC Waste & Recycling staff will reconcile the amount recycled and determine compliance.
- If applicant is deemed to be in compliance, no further action is required, and Certificates of Occupancy are issued as appropriate. If the applicant is deemed to be non-compliant, fines are assessed and must be paid prior to the issuance of any final Certificates of Occupancy.

Fines and Penalties for Non-Compliance

- Applicants are subject to a fine of up to 25% of the total estimated valuation of the permitted project. Should the applicant fail to meet diversion policy requirements, a fine will be assessed and must be paid prior to the issuance of the final Certificate of Occupancy.
- In cases involving multiple units or multiple Certificates of Occupancy, a determination of non-compliance will result in a maximum total of ten (10) percent, or at least one (1) unit, of the total permitted units not receiving final Certificates of Occupancy until the fine is paid or compliance is determined. The fines will be assessed using the tiered rates below:

Percentage of Debris Diverted	Non-Compliance Fine
50% or above of total estimated weight diverted	0% of total cost of project
30-49% of total estimated weight diverted	5% of total cost of project
11-29% of total estimated weight diverted	15% of total cost of project
0-10% of total estimated weight diverted	25% of total cost of project

Verification

I certify, under penalty of perjury, that these estimates are true and, to the best of my knowledge, the tonnage estimates reported on this form are my best estimate of the disposition of the construction and demolition material generated at this project site.

I understand that these materials must go to a County-approved C&D processing facility or be removed by a franchised waste hauler, and the required receipts returned to the County indicating that the materials came from "County Unincorporated Area," and that I must comply with the 50% diversion requirement or pay a fine of up to 25% of the value of the project. Receipts must include either tons, cubic yards, or truck size and number of loads.

Additionally, I have been advised that new projects must meet the requirements of the California Green Building Standards Code and I will comply with the mandatory requirements for material conservation and resource efficiency if applicable. I understand, if fined, the fine must be paid prior to the issuance of the final Certificate of Occupancy.

Print Name: _____ Owner/Agent/Other: _____

Signature: _____ Date Signed: _____

**Recycling, Construction & Demolition Debris & Greenwaste Processors
September 2012**

Construction & Demolition Debris (also see Transfer Stations)

<p>Dan Copp Crushing Corp. Various locations throughout OC (714) 777-6400 Asphalt, concrete, and rebar. Call for sites. Clean concrete, asphalt, rebar and mesh. Mesh and rebar have to be sized (only in concrete). (Fee)</p>	<p>Gruppo DiVerde, Inc. 3117 W. Alpine, Santa Ana (714) 430-0023 Marble, granite- remnants & cutoffs, crate plywood, scrap wood, wood packing crates, wood pallets, tables, 55 gal. plastic drums, plastic pallets, ceramic tiles, and used bricks. (Fee)</p>
<p>Ewles Materials 8182 Katella Ave., Stanton (714) 894-0032 Asphalt, concrete. Clean concrete, asphalt, and sand. (Fee)</p>	<p>Ewles Materials 16081 Construction Circle, Irvine (949) 552-6008 Asphalt, concrete. Clean concrete, asphalt, and sand. (Fee)</p>
<p>Ewles Materials 32501 Ortega Hwy., San Juan Capistrano (949) 728-0436 Asphalt, concrete. Clean concrete, asphalt, and sand. (Fee)</p>	<p>Madison Materials 1035 E. 4th St., Santa Ana (714) 664-0159 Appliances, asphalt, brick, carpet, concrete, dirt, drywall, flooring, glass, greenwaste, metal, plastic, rebar, and wood. (Fee)</p>
<p>Hanson Aggregates Various locations throughout OC (800) 300-6120 Asphalt and concrete. Call for sites. Clean concrete and Asphalt. (Fee)</p>	<p>RJ Noble 15505 E. Lincoln Ave. at Batavia, Orange (714) 637-1550 Asphalt, brick, concrete, dirt, greenwaste, and wood. Clean Concrete, asphalt, dirt, sand, brick, and rock reclamation. (Fee)</p>
<p>Consolidated Volume Transporter (CVT) 2741 Coronado Street, Anaheim (714) 238-3301 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)</p>	<p>CR&R Transfer 11232 Knott Ave., Stanton (714) 895-7970 Appliances, asphalt, brick, carpet, concrete, dirt, drywall, flooring, glass, greenwaste, metal, plastic, rebar, and wood. No liquid or hazardous waste. Tires accepted. (Fee)</p>
<p>Tierra Verde Industries 6900 Marine Way, Irvine (949) 551-0363 Asphalt, brick, carpet, clean concrete, dirt, dry wall, flooring, glass, plastic, greenwaste and wood. No liquid or hazardous waste. (Fee)</p>	<p>Rainbow Environmental Services 17121 Nichols, Huntington Beach (714) 847-3581 Appliances, asphalt, brick, carpet, concrete, dirt, drywall, flooring, glass, greenwaste, metal, plastic, rebar, and wood. No liquid or hazardous waste. Tires accepted. (Fee)</p>
<p>Waste Management/ Sunset Environmental 16122 Construction Circle W., Irvine (949) 451-2600 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)</p>	<p>Waste Management/ Orange Resource Recovery 2050 N. Glassell, Orange (714) 282-0200 Appliances, asphalt, brick, carpet, drywall, flooring, glass, metal, rebar, and wood. No liquid or hazardous waste. No tires. (Fee)</p>
	<p>Robert's Waste & Recycling 930 E. Walnut St. Santa Ana (714) 557-2533 Temporary Bin Provider for Household Waste, Mixed C&D, Wood, Concrete, Dirt, Asphalt, Brick, Tile, Drywall, Greenwaste & Metal.</p>

Disclaimer: OC Waste & Recycling is not liable for any errors, omissions or changes on this list, nor does it guarantee the accuracy of any information regarding materials, services or products. These are privately-owned facilities and not affiliated with the County of Orange. The list is not intended to be exhaustive but has been developed to assist customers to find recycling facilities as an alternative to disposal.

(OVER)

**Recycling, Construction & Demolition Debris & Greenwaste Processors
September 2012**

Greenwaste Processors (also see Transfer Stations)

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

Transfer Stations

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Steel Recyclers (also see Transfer Stations)

Adams Steel, Inc. 3200 E. Frontera St. Anaheim (714) 630-6523 Appliances, Metal, Rebar. Beams, any scrap metal, car bodies. Pick up services available. (BuyBack)	All Variety Metals 1016 Santiago, Santa Ana (Buy Back) (714) 835-9235 Metal, Rebar, Wood. Call first. Ferrous and non-ferrous metals, usable wood, occasional rebar. (BuyBack) Also takes refrigerators for free.
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Other Materials

Amazon Environmental Riverside, CA (951) 588-0206 Paint, Latex paint only. (Fee)	J&P Rebon Wholesaler 301 N. Hancock St., Anaheim (714) 779-1565 Carpet pads and sofa cushions only. (BuyBack)
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Construction & Demolition Program – Tonnage Report

****DIVERSION REQUIREMENT 50%****

Please save disposal/recycling receipts, as they are required for compliance verification.

After project completion, please complete this form, attach your disposal/recycling receipts, and submit to OC Waste & Recycling. **Submittal of this form is required in order to close your permit.** Should you have any additional questions, please call OC Waste & Recycling at 714-834-4000.

Job Site Address:	OC Public Works Permit #:
Name:	
Email:	Phone:

Date	Please check appropriate box:		Material Type	Name of Facility Used	Tonnage
	Recycled	Disposed			

A. Total Tons Recycled	
B. Total Tons Disposed	
C. Total Tons Generated for Project	
D. Percent Recycled (A divided by C, then multiply by 100)	

Signature: _____

Date: _____



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Construction & Demolition Program Fact Sheet

Diversion Requirements

- 50% of total estimated debris must be recycled using a County-approved facility or franchise waste hauler

Covered Projects

- Projects requiring any building, construction, or demolition permit that do not qualify for an exemption

Exemptions

- Work for which only a plumbing, electrical, or mechanical permit is required based upon information provided by the applicant.
 1. Residential pools, spas, and retaining walls
 2. Seismic tie-down projects
 3. Installation of pre-fabricated patio enclosures and covers where no foundation or other structural building modifications are required
 4. Installation of pre-fabricated accessories, such as signs or antennas, where no structural modifications are required
 5. Construction, demolition, or renovation projects that are less than 150 square feet in size
 6. Construction, demolition, or renovation projects that have a valuation of less than \$10,000
 7. Construction or renovation projects that involve only the replacing of a roof
 8. Aerial utilities
 9. Dewatering
 10. Drain lines
 11. Emergency repairs (utility/road/flood)
 12. Entrapment/temporary/fencing
 13. Permits requested for John Wayne Airport
 14. Monitoring wells
 15. Newport Tidelands (docks including pier construction)
 16. Non-storm water discharge
 17. Potholing
 18. Refuse containers
 19. Placement of signage
 20. Soil boring
 21. Stockpiling/storage
 22. Sunset Beach docks/encroachment
 23. Water diversion
 24. Other exemptions as identified by, and with the concurrence of, the Directors of OC Planning and OC Waste & Recycling

Approved Facilities and Franchised Waste Haulers

- Facilities or franchised waste haulers that appear on the provided list of “approved facilities and franchise waste haulers” are facilities that the County has determined utilize best management practices that meet industry standards relating to the proper recycling and diversion of appropriate materials. Utilizing one of these facilities will assist in the compliance of this policy.

Administrative Fee

- A \$25.00 administrative cost-recovery fee will be collected for all covered projects. The application fee is based on costs directly related to staff time and materials for processing and reviewing each application.

Process for Compliance

- Each applicant will be required to fill out the Construction and Demolition Waste Reduction and Recycling Application when applying for a permit.
- Upon completion of the recycling activity, the applicant will email, fax, mail, or hand-deliver copies of all receipts from the facility/hauler to OC Waste & Recycling.
- OC Waste & Recycling staff will reconcile the amount recycled and determine compliance.
- If applicant is deemed to be in compliance, no further action is required, and Certificates of Occupancy are issued as appropriate. If the applicant is deemed to be non-compliant, fines are assessed and must be paid prior to the issuance of any final Certificates of Occupancy.

Fines and Penalties for Non-Compliance

- Applicants are subject to a fine of up to 25% of the total estimated valuation of the permitted project. Should the applicant fail to meet diversion policy requirements, a fine will be assessed and must be paid prior to the issuance of the final Certificate of Occupancy.
- In cases involving multiple units or multiple Certificates of Occupancy, a determination of non-compliance will result in a maximum total of ten (10) percent, or at least one (1) unit, of the total permitted units not receiving final Certificates of Occupancy until the fine is paid or compliance is determined. The fines will be assessed using the tiered rates below:

Percentage of Debris Diverted	Non-Compliance Fine
50% or above of total estimated weight diverted	0% of total cost of project
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Construction & Demolition Program Frequently Asked Questions

SECTION 1 – MINIMUM DIVERSION REQUIREMENT

Why do we have to divert 50% of construction and demolition?

The Integrated Waste Management Act of 1989 (AB939) required cities and counties to reduce, by 50%, the amount of waste disposed of in landfills by the year 2000 and beyond or potentially incur fines of up to \$10,000 per day. This policy and ensuing program are designed to assist the County in compliance with this State mandate.

How can the applicant reach the diversion requirement?

The applicant can achieve diversion through re-use, recycling, or composting of Construction and Demolition (C&D) materials at County-approved facilities or use of a County Franchised Waste Hauler to ensure that materials such as concrete, asphalt, scrap metal, drywall, cardboard, and other construction materials are managed appropriately.

SECTION 2 – APPROVED FACILITIES & FRANCHISED WASTE HAULERS

Why is the applicant required to use approved facilities or a Franchised Waste Hauler?

County of Orange Franchised Waste Haulers and approved facilities that appear on the provided list have been determined to utilize best management practices that meet industry standards relating to the proper recycling and diversion of appropriate materials. Utilizing one of these methods will assist in the compliance of this C&D policy and program. The County of Orange does not endorse or recommend any method over the other.

SECTION 3 – EXEMPTIONS

Why are projects that are 150 square feet or less exempt?

These are typically small scale projects that have been determined to generate minimal amounts of recyclable materials and provide little cost-to-benefit results.

Why are projects with a valuation of less than \$10,000 exempt?

This valuation has been determined to be an average cost for many small scale projects that have been determined to generate minimal amounts of recyclable materials and provide little cost-to-benefit results.

SECTION 4 – COVERED PROJECT THRESHOLDS

What types of materials are generated for covered projects?

Covered projects generated in C&D activities include large quantities of material found in the general waste stream. For example, the C&D waste stream also includes corrugated cardboard from packaging, a variety of plastics (PVC pipe, packaging, etc.), glass, and yard wastes from site work and clearing. Existing municipal recycling programs may be suitable for recovering these common materials. However, some of the other materials may need special handling, either as solid or as hazardous waste.

SECTION 5 – ADMINISTRATIVE COST OF RECOVERY

Why do I have to pay a \$25.00 application fee?

The application fee is based on anticipated costs relating directly to staff time and materials for processing and reviewing each application.

SECTION 6 – FINES & FINAL CERTIFICATE OF OCCUPANCY PERMIT

Why is there an “up to 25%” of the project valuation fine?

This percentage is large enough to serve as an incentive to encourage the applicant to maintain diversion requirements for the project in question. If the applicant meets the diversion specifications, no fines are incurred and the final Certificate of Occupancy permit will not be held back for lack of compliance with this C&D policy and program.

The issuance of the final Certificate of Occupancy permit will be issued by County Planning and Development Services once OC Waste & Recycling has determined compliance with all of its requirements, including this policy. In the event that the applicant does not comply with this policy, a hold will be placed on the final issuance of the Certificate of Occupancy and will be removed once the fine is paid in full.

In non-compliance cases which involve multiple units or multiple Certificates of Occupancy, a maximum total of ten (10) percent, or at least one (1) unit, of the total permitted units will not receive final Certificates of Occupancy until the fine is paid or compliance is determined. The fines will be assessed using the tiered rates below:

Percentage of Debris Diverted	Non-Compliance Fine
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0-10% of total estimated weight diverted	25% of total cost of project

SECTION 7 – GOOD FAITH EFFORT DETERMINATION

What does “good faith effort” mean and how is it determined?

After OC Waste & Recycling staff completes its review of the returned receipts and documentation, a “good faith effort” determination could be rendered if the applicant clearly demonstrated an effort to completely comply with this policy. An applicant may qualify for a “good faith effort” designation on a project if the materials in question cannot be recycled for a reason beyond the applicant’s control.

Should this determination be made, OC Waste & Recycling staff may reduce the fine or waive it in its entirety. This determination will be made by the Director of OC Waste & Recycling or his/her designee through appropriate interaction and documentation by the applicant on an ad hoc basis.

OC WASTE & RECYCLING
CONSTRUCTION AND DEMOLITION RECYCLING
MATERIALS CONVERSION WORKSHEET

MATERIALS	VOLUME	UNIT	TONS/UNIT	TONS
Asphalt / Concrete				
Broken Asphalt	_____	CY	x 0.7 =	_____
Broken Concrete	_____	CY	x 0.9 =	_____
Solid Slab Concrete	_____	CY	x 1.2975 =	_____
Brick / Masonry / Tile				
Broken Brick	_____	CY	x 0.7 =	_____
Whole Brick (Palletized)	_____	CY	x 1.512 =	_____
Broken Masonry Block	_____	CY	x 0.6 =	_____
Tile	_____	Sq Ft	x 0.00175 =	_____
Building Materials (doors, windows, cabinets, etc.)				
_____	_____		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 =	_____
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 =	_____
Landscape Debris (brush, trees, etc.)				
_____	_____	CY	x 0.15 =	_____
Scrap Metal				
_____	_____	CY	x 0.453 =	_____
Unpainted Wood and Pallets				
By Board Foot	_____	Bd Ft	x 0.001375 =	_____
By Cubic Yard	_____	CY	x 0.15 =	_____
Garbage / Trash				
_____	_____	CY	x 0.175 =	_____
Dirt				
By Cubic Yard	_____	CY	x 1.03 =	_____

CONVERSION RATE TONS

Demolition				
Complete Demolition	_____	Sq Ft of Structure	x 40/2000 =	_____
Complete Demolition with Tile Roof	_____	Sq Ft of Structure	x 47/2000 =	_____
Green Waste (trees, shrubs, turf, etc.)	_____	CY	x 0.25 =	_____
Mixed Debris (e.g., interior remodel)	_____	CY	x 0.2 =	_____
Roofing				
Asphalt Composition Shingle	_____	Roof Sq Ft	x 3/2000 =	_____
Wood Shingle / Shake	_____	Roof Sq Ft	x 2/2000 =	_____
Concrete / Clay Tile	_____	Roof Sq Ft	x 10/2000 =	_____
Roof Decking	_____	Roof Sq Ft	x 1.5/2000 =	_____
Appliance / Equipment				
Cook Top				0.015
Dishwasher				0.05
Refrigerator				0.075
Oven (single)				0.038
Trash Compactor				0.02
Water Heater (30 gallons)				0.025
Water Heater (40-50 gallons)				0.038
Bathtub (cast iron)				0.15
Bathtub (steel)				0.038
Sink (cast iron)				0.025
Sink (porcelain)				0.01
Sink (steel)				0.005
Toilet				0.02

SAMPLE CALCULATION: MATERIALS INCLUDING 100 SQ FT OF ROOF DECKING + 50 CY OF BROKEN BRICK + A CAST IRON BATHTUB WOULD COMPUTE AS: (100 X 1.5 LBS)/2000 + (50 X 0.7) + 0.15 = .075 + 35 + 0.15 = 35.225 TONS.

CY = Cubic Yards Sq Ft = Square Foot Bd Ft = Board Foot
MATERIALS CONVERSION WORKSHEET



OC Waste & Recycling Construction & Demolition Program

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Construction & Demolition Program Glossary

- 1. Applicant:**
individual, contractor, developer, and/or consultant who may apply for a permit for construction or demolition, and who will now need to participate in the Construction and Demolition Program
- 2. Class III Landfill:**
a landfill that accepts non-hazardous waste such as household, commercial, and industrial waste, including construction, remodeling, repair, and demolition operations
- 3. Co-Mingled or Off-Site Separation:**
collecting all material types into a single bin or mixed collection system and separating the waste materials into recyclable material types in an off-site facility
- 4. Construction and Demolition Waste:**
includes solid wastes, such as building materials, packaging, rubbish, debris, and rubble resulting from construction, remodeling, repair, and demolition operations
- 5. Debris:**
includes both combustible and noncombustible wastes, such as leaves and tree trimmings, that result from construction or maintenance and repair work
- 6. Deconstruction:**
the process of removing existing building materials from renovation and demolition projects for the purposes of reuse and recycling in an efficient and safe manner
- 7. Divert:**
using material for any purpose other than disposal in a landfill
- 8. Inert Fill:**
a permitted facility that accepts inert waste such as asphalt and concrete exclusively
- 9. Recovery:**
any process that reclaims materials, substances, energy, or other products contained within or derived from waste on-site; includes waste-to-energy, composting, and other processes
- 10. Recycling:**
collecting and preparing materials for reuse in their original form or in a manufacturing process that does not cause the destruction/contamination of the materials in a manner that precludes further use
- 11. Reducing:**
using less material, like double-sided copying, where possible

12. Reusing:

using a material or product that is recovered from construction, renovation, or demolition activities

13. Rubbish:

includes both combustible and noncombustible wastes, such as paper, boxes, glass, crockery, metal and lumber scrap, tin cans, and bones

14. Source Separation:

sorting the recovered materials into specific material types with little or no contamination on site

15. Time-Based Separation:

collecting waste during each phase of construction or deconstruction, which results in primarily one major type of recovered material; the material is removed before it becomes mixed with material from the next phase of construction