

The City of Greenfield and California Green Building Standards Code requires a minimum of 50% diversion of materials generated from construction and demolition (C&D) projects.

This guide will help manage the scrap-materials generated from your C&D project through recycling and source separation. Following these guideline can help you save money and comply with City/State regulations. For more Info: www.bsc.ca.gov/Home/CALGreen.aspx



Hauling Services

- ⇒ Hauling services are available through the local franchised hauler, Tri-Cities Disposal & Recycling.
- ⇒ General contractors, subs, or construction companies can self-haul by using their privately owned hauling equipment.

A list of Bonafide Recyclers is available on the city's website

ALL weight receipts (recycling & disposal) MUST be retained from subs, hauling companies, or Bonafide Recyclers.



10 Ryan Ranch
Monterey, CA
93940
(888) 678-6798



Civic Center
599 El Camino Real
Greenfield, CA 93927
(831) 674-5591



128 Sun St., Suite 101
Salinas, CA 93901
(831) 775-3004
www.salinasvalleyrecycles.org



CONSTRUCTION & DEMOLITION WASTE REDUCTION AND RECYCLING GUIDE



WHY DIVERT C&D MATERIALS?

- ◆ Recycling conserves raw materials and virgin resources by producing usable materials at a reduced cost to the environment;
- ◆ Recycling conserves energy and water, and reduces the production of greenhouse emissions and other pollutants;
- ◆ Recycling conserves valuable landfill space; C&D materials make up 29% of all waste generated in California.
- ◆ Recycling creates employment and economic activity that helps sustain local economies;
- ◆ Recycling saves money by reducing disposal and transportation costs;
- ◆ Deconstructing (rather than demolishing) in order to recycle or reuse items (i.e. cabinets or windows) can help fulfill diversion requirements.



DIVERSION TIPS

- ◆ Develop a recycling plan before project begins.
- ◆ Track and record all weight receipts; including trash, recycling, mixed C&D, wood, salvaged materials, etc.
- ◆ Recyclable materials change during a project. Wood and steel may appear first; large quantities of cardboard at the end.



- ◆ C&D materials can be commingled or source separated. *Reduced fees may apply for source-separated materials.*
- ◆ Concrete, Asphalt, Cardboard, Plastics, Metal, Clean Wood & Yard Waste, Masonry, and Drywall can be recycled. **See list of Bonafide Recyclers.**

COMPLIANCE WITH C&D REQUIREMENTS

The City of Greenfield requires that all C&D materials (100% of inerts and 50% of all other C&D materials) be recycled (Chapter 15.24 Greenfield Municipal Code). To comply with this requirement:

1. Fill out the Waste Reduction & Recycling Plan/Report (available on city's website) and;
2. Keep and track all weight receipts

All mixed C&D and waste materials generated during a C&D project must be delivered to one of the following Salinas Valley Recycles locations:

Johnson Canyon Landfill
31400 Johnson Canyon Rd
Gonzales, CA 93926

Jolon Road Transfer Station
52654 Jolon Rd
King City, CA 93930

Upon project completion, **the Waste Reduction & Recycling Plan/Report and all applicable weight receipts must be submitted to the city** demonstrating compliance with the C&D recycling requirements.



CITY OF GREENFIELD

CONSTRUCTION AND DEMOLITION (C&D) DIVERSION REQUIREMENTS

Greenfield Municipal Code 15.24 requires all Construction and Demolition (C&D) projects within the City to divert at least 50% of the C&D debris and 100% of inert materials generated by the project. In addition, all building and demolition permit applicants must prepare and submit a C&D Waste Reduction and Recycling Plan at the time of the permit application (prior to permit issuance), and a final C&D Waste Reduction and Recycling Report. **Failure to file recycling reports with the City may result in non-compliance fees and/or delay issuance of the Certificate of Occupancy or final inspection.**

Options for the disposal/recycling of C&D debris include:

1. Contracting with the exclusive franchise for disposal/recycling services,
 - **If you need to set up service, call Tri-Cities Disposal & Recycling at (888) 678-6798**
 - Identify that your project is a C&D project and **keep all applicable invoices from Tri-Cities.**
 - Divert more by requesting separate bins to source separate C&D debris on-site (cost savings may apply).
2. Self-hauling C&D debris from the project directly to a bonafide processing facility using the applicant's / contractor's equipment and vehicles (if source separated, cost savings may apply).

INSTRUCTIONS

1. Complete, sign and submit the attached C& D Waste Reduction and Recycling Plan.
2. If you plan to self-haul your C&D debris, use the attached list of bonafide processors to locate facilities that will recycle your materials. Inform the recycling facilities that the material is generated in the City of Salinas so origin codes on the weight tickets can be recorded correctly. **Always ask the recycling facility for all of your weight tickets and receipts.**
3. Once your project is complete, you must submit the attached C&D Waste Reduction and Recycling Report. **Make sure to include all weight tickets and receipts for all of your recycled and disposed materials.**
4. Your final Waste Reduction and Recycling Report should include the following information:
 - a. Identify the types and quantities (tons) of materials recycled, reused, salvaged and/or disposed,
 - b. Identify how the materials were handled: "source separated" or "mixed",
 - c. Identify the method of transport for debris materials (self-haul, franchise hauler),
 - d. Identify where the materials were taken for recycling or disposal, with all invoices, weight tags and receipts.
5. Mail, fax or e-mail the completed report, **together with all invoices, receipts and weight tickets** to:

City Hall - Building Division
599 El Camino Real
Greenfield, California 93927

Fax: (831)

Email: dgomez@ci.greenfield.ca.us

**CITY OF GREENFIELD
CONSTRUCTION & DEMOLITION
WASTE REDUCTION AND RECYCLING PLAN**

Permit # _____	Date _____
Site Address: _____	Zip Code _____
<input type="checkbox"/> Company <input type="checkbox"/> Owner Name: _____	
Mailing Address: _____	Contact Phone: _____
City, State and Zip: _____	E-mail: _____
Type of Project: <input type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Demolition <input type="checkbox"/> Roofing <input type="checkbox"/> Other	
Project Description: _____	

1. What materials will be generated by your project?

- | | | |
|--|--|--|
| <input type="checkbox"/> Asphalt | <input type="checkbox"/> Bricks / Rocks | <input type="checkbox"/> Cardboard |
| <input type="checkbox"/> Concrete / Cement | <input type="checkbox"/> Dirt / Clean Fill | <input type="checkbox"/> Drywall / sheetrock |
| <input type="checkbox"/> Glass / Windows | <input type="checkbox"/> Lumber / Wood | <input type="checkbox"/> Metals |
| <input type="checkbox"/> Mixed C&D debris | <input type="checkbox"/> Roofing materials | <input type="checkbox"/> Salvaged items |
| <input type="checkbox"/> Other (please specify): _____ | | |

2. How will the C&D debris be handled during your project? (Please check all that apply)

- Source Separation – Materials are separated on-site and placed in material-specific bins.
- Mixed Loads – Clean recyclable C&D materials are comingled into one bin and delivered to a bonifide processing facility. Trash is collected in a separate bin and delivered to an authorized disposal facility.

1. How do you plan to dispose of the C&D debris that you will generate with your project? (Please check all that apply)

- I will hire the exclusive franchise: Tri-Cities Disposal & Recycling - (888) 678-6798. **Save Invoices!**
- I will self-haul C&D debris using the owner/contractor’s equipment and vehicles. **Save Receipts!**

3. ATTEST: By signing below I am affirming:

- I am the owner/agent for this permit application and have read the requirements of the ordinance;
- I will submit a Waste Reduction & Recycling Plan with the permit application and, to the best of my ability, I agree to recycle, divert and/or salvage the materials listed above;
- I will submit a Waste Reduction & Recycling Report describing diversion activities and showing actual tonnage data for all diverted and disposed materials, supported by legible receipts, weight tags and/or invoices;
- I understand that failure to comply with the City’s C&D recycling and reporting requirements may result in legal enforcement and penalties and may delay issuance of permits, the Certificate of Occupancy or approval of the final inspection.

Applicant’s Signature

Date

Print Name/Title (owner, contractor, agent)

CITY OF GREENFIELD CONSTRUCTION & DEMOLITION WASTE REDUCTION AND RECYCLING REPORT

Complete this report, **attach all invoices, receipts and / or weight tags** from the City's franchise hauler and/or recycling facilities, salvage companies, deconstruction contractors, C&D processors, transfer stations, and landfills. **ALWAYS** keep invoices, weight tickets and receipts for at least three years.

Please indicate all C&D materials diverted and disposed from the project site listed above. Use the attached conversion table for help with calculations and attach additional sheets if necessary.

MATERIAL TYPE	RECYCLED, REUSED, SALVAGED	DISPOSAL	SOURCE SEPARATED	MIXED	HAULER	MATERIAL DESTINATION
Inert Materials						
<i>Example: Concrete</i>	<i>18.43 tons</i>	<i>N/A</i>	<i>X</i>		<i>Self-Haul</i>	<i>Johnson Canyon Landfill</i>
Asphalt		N/A				
Brick / Rock		N/A				
Concrete / Cement		N/A				
Dirt / Clean fill		N/A				
Roofing materials		N/A				
Other:		N/A				
Other:		N/A				
INERT TOTAL		100% Diversion				
A		B				
C&D Debris						
Cardboard						
Drywall / Sheetrock						
Glass / Windows						
Lumber / Wood (clean)						
Metal						
Mixed C&D materials*						
Plastic						
Trash	N/A					
Yard waste / Landscaping						
Other:						
Other:						
C&D DEBRIS TOTAL			C&D Debris Diversion Rate (percentage) (A)/(A+B) x 100			Over 50% = C&D DEBRIS COMPLIANCE

*If C&D materials are mixed, please list recyclable materials in the space below and enter the total tons in the *Mixed C&D Materials* section.

Mixed C&D Materials: _____

Explanation/Comments: Please use this space to provide any additional information related to your project's recycling program. Attach additional pages as necessary. _____

Signature: _____ **Date:** _____

Conversion Calculations

To calculate the percentage of materials recycled and/or reused:

To determine the percentage of diverted materials, divide the number of tons which were recycled, reused and/or salvaged by the TOTAL tonnage generated.

$$\text{Percent Diverted (tons)} = \frac{\text{recycling} + \text{reused} + \text{salvaged}}{\text{recycling} + \text{reused} + \text{salvaged} + \text{disposed}}$$

Example:

$$\frac{1 \text{ ton recycling} + 1 \text{ ton reused}}{1 \text{ ton recycling} + 1 \text{ ton reused} + 2 \text{ tons disposal}} = \frac{2}{4} = 0.5 \text{ (multiply } 0.5 \text{ by } 100 = 50\%)$$

How to convert pounds to tons:

To convert pounds to tons, divide the number of pounds by 2000 pounds. **1 Ton = 2,000 Pounds**

Example: 700 pounds ÷ 2000 pounds = 0.35 tons

How to convert cubic yards to tons:

Select the type of material recycled/reused from the conversion table below. Multiply the corresponding number by the total number of cubic yards recycled/reused.

1 cubic yard of mixed C&D debris = 0.45 tons *Example:* 4CY of mixed C&D = 4 CY X 0.45 = 1.8 tons

Conversion Table

MATERIAL	Volume - EQUIVALENT - Weight
Asphalt – paving	1 cubic yard = 0.69 tons
Asphalt – roofing shingles	1 cubic yard = 0.21 tons
Brick	1 cubic yard = 1.51 tons
Cardboard	1 cubic yard = 0.05 tons
Carpet/carpet padding	1 cubic yard = 0.04 tons
Ceramic tile	1 cubic yard = 0.61 tons
Concrete	1 cubic yard = 0.93 tons
Dirt – clean fill	1 cubic yard = 1.00 tons
Fiberglass insulation	1 cubic yard = 0.01 tons
Glass	1 cubic yard = 1.08 tons
Green waste – yard trimmings	1 cubic yard = 0.05 tons
Metals	1 cubic yard = 0.45 tons
Mixed C&D debris	1 cubic yard = 0.45 tons
Plastic	1 cubic yard = 0.01 tons
Sheetrock – drywall	1 cubic yard = 0.20 tons
Wood – clean lumber	1 cubic yard = 0.16 tons
Wood – pallets	one = 0.14 tons

For more conversion factors for recyclable materials visit: www.calrecycle.ca.gov/FacIT/Conversion1.pdf

For more conversion factors for C&D materials visit: <http://www.calrecycle.ca.gov/LGCentral/Library/DSG/ICandD.htm>

BONAFIDE RECYCLERS

MATERIALS ACCEPTED

Facility Name	Hauler Services*	Open to Public	Appliances & Equipment	Asphalt	Bottles & Cans	Bricks, Masonry, Stone Products	Cardboard & Paper	Carpet & Padding/Foam	Ceiling Tiles	Concrete	Deconstructed / Salvage Items	Dirt- Clean Fill	Drums, Barrels & Buckets	Drywall - Clean/Unpainted	Drywall - Demo & painted	e-Waste	Glass Plate or Tempered	Green Waste - Yard/Landscape	HHW Materials	Liquid Recyclables (oil & paint)	Metal	Mixed C & D	Plastics	Porcelain	Rock, Sand, Gravel & other inerts	Roofing Asphalt	Septic Waste	Wood - Clean	Wood - Treated/Painted
A&S Metals 11340 Commercial Parkway Castroville, CA 95012 831-633-3379 www.asmetals.com	Yes	Yes	X	X			X			X	X		X							X		X		X				X	
Assured Aggregates 3096 Imjin Rd. Marina, CA 93933 831-884-9207 www.assuredaggregates.com	No	Yes		X		X				X														X					
Buena Vista Landfill 1231 Buena Vista Drive Watsonville, CA 95076 831-454-2430	No	Yes	X	X	X	X	X	X	X	X	X		X	X		X	X	X		X	X	X	X	X	X	X		X	
Eagle Hauling & Recycling 15440 Meridian Road Salinas, CA 93907 831-594-5858 eaglehauling.com	Yes	No	X				X					X						X		X	X								
Granite Rock/Pavex 400 Work St. Salinas, CA 93901 831-775-3500 http://www.graniterock.com	No	No		X						X														X					
Henningens Construction Co. 12 Spreckels Lane Salinas, CA 93908 831-455-2377 http://henconst.com	Yes	No		X		X				X				X	X						X	X						X	X
Johnson Canyon Landfill 31400 Johnson Canyon Rd. Gonzales, CA 93926 831-675-2165 www.salinasvalleyrecycles.org	No	Yes	X	X	X	X	X	X	X	X		X	X	X		X	X	X		X	X	X	X	X	X	X		X	
Jolon Road Transfer Station 52654 Jolon Rd. King City, CA 93930 831-385-6213 www.salinasvalleyrecycles.org	No	Yes	X		X		X			X		X	X			X		X		X	X	X	X					X	
Monterey Regional Waste Mgt. Dist. 14201 Del Monte Blvd. Marina, CA 93933 831-384-5313 www.mrwm.org	No	Yes	X	X	X		X	X	X	X	X	X		X		X		X		X	X	X	X	X	X	X		X	
Pacific Coast Recycling, Inc. 5895 Obata Way Gilroy, CA 95020 408-848-6811 www.pacificcoastrecovery.com	Yes	Yes	X	X			X	X		X		X						X		X	X			X	X			X	
Randazzo Enterprises, Inc. 13550 Blackie Rd. Castroville, CA 95012 831-633-4420 http://randazzoent.com	Yes	No																											X
Republic Services of Salinas (Franchised Hauler) 271 Rianda Street Salinas, CA 93901 831-775-3850 http://site.republicservices.com/site/salinas/en/pages/home.aspx	Yes	No	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X			X	X	X	X		X		X	X
Sun Street Transfer Station 139 Sun St. Salinas, CA 93901 831-424-5535 www.salinasvalleyrecycles.org	No	Yes	X		X	X	X	X	X	X			X	X		X	X	X		X	X	X	X		X			X	
Tong Hua USA Inc. 15420 Meridian Rd. Salinas, CA 93907 831-663-8808 www.tonghuausa.com	Yes	No					X						X									X							
Waste Management/Madison Lane Transfer Station 1120 Madison Lane Salinas, CA 93907 831-754-2500 www.wm.com	No	Yes	X	X	X	X	X	X	X	X		X	X	X		X		X			X	X	X					X	

* Non-Franchised Haulers must provide hauling and pick-up of recyclables at no cost.