



Environmental Sustainability
Department

Construction and
Demolition Debris
Recycling Program

Waste Reduction and Recycling

January 2017



City of Malibu

23825 Stuart Ranch Road · Malibu, California · 90265-4861
Phone (310) 456-2489 · Fax (310) 456-3356 · www.malibucity.org

Getting Started with Construction and Demolition Debris Waste Reduction and Recycling

Step 1 - Complete and Submit an *Affidavit and Certification* to Implement a Waste Reduction and Recycling Plan (WRRP). Hire a City permitted solid waste hauler to ensure that your project complies with State and local laws – find the current list at www.malibucity.org/haulers.

Where to get the forms: Malibu City Hall or online at www.malibucity.org/ConDemo

Where to submit forms: Submit a signed Affidavit and Certification to Malibu City Hall, Environmental Sustainability Department, located at 23825 Stuart Ranch Road, 90265. For over-the-counter permitted jobs, submit your signed form to a Permit Technician. Keep a copy for your records.

Who should fill out the WRRP: The Applicant (e.g., architect, owner, builder) is responsible for submitting an Affidavit and Certification to Implement a WRRP with their Building Permit application. The WRRP can be filled out by whoever is knowledgeable about the types and quantities of debris that will be generated from the project.

Subcontractor participation: If subcontractors are required to remove debris from the job site, they can play a key role in helping you meet the City's recycling requirements. Inform subcontractors of your WRRP and what is required of them early in the project. The Applicant must provide documentation for all materials subcontractors are hauling. Documentation must include information about the facility, tonnage amounts, project address, and appropriate coding to indicate that the material was recycled or disposed. We strongly recommend including specifications or other language for recycling and/or reuse in your contracts. Informing your subcontractors of requirements up front helps eliminate confusion later.

Where to take materials: The Builders' Recycling Resource List (included in this packet) lists local facilities and the materials they accept.

Review Process: As of 2010, the WRRP form will no longer be reviewed by City staff. When obtaining permits, the Applicant must submit an Affidavit and Certification to Implement a WRRP. When the project is complete, submit a Recycling Report to the City.

Step 2 - Gather Data for the Recycling Report

After your Building Permit is issued and you are ready to begin work, you will need to begin recording information for your Recycling Report. Be sure to use a City permitted solid waste hauler; the current list is available online at www.malibucity.org/haulers. You are required to document quantities of materials generated, reused, recycled, and/or disposed of throughout the



project. The receipts must include information about the facility, tonnage amounts, project address, and appropriate coding to indicate that the material was recycled or disposed.

It is your responsibility to obtain written receipts from subcontractors and other parties removing debris from your site. Notify subcontractors and haulers of this requirement before work begins.

City staff is available to help you with this process. Please call 310-456-2489 and speak with the person assigned to your project.

Step 3 - Submit your Recycling Report

A Recycling Report must be submitted for review and approval by authorized City staff prior to sign off at Final Inspection and issuance of a Temporary Certificate of Occupancy or Certificate of Occupancy. Quantities must be verifiable, based on weight tags or other sufficient documents.

If less than 65% of the C&D debris from the project was diverted from landfill disposal, you must submit documentation with your Recycling Report demonstrating that a "good faith" effort was made to achieve the waste reduction goal. Documentation must specify, in detail, the reasons why you could not meet the City's requirement.

Due Date: Recycling Reports are due 7-10 days prior to the Final Inspection. They may be submitted to Environmental Programs staff at the Public Counter. Keep a copy for your records.

Review Process: Prior to Final Inspection and issuance of a Temporary Certificate of Occupancy or Certificate of Occupancy, the Recycling Report will be reviewed to determine if the Applicant met the reuse and recycling goals. Authorized City staff will sign off on the Recycling Report indicating that the project is in compliance with all "Solid Waste Conditions" (AB 939).



Detailed Instructions for Completing C&D Debris Recycling Forms

These are line-by-line instructions for completing the Waste Reduction & Recycling Plan (WRRP) and the C&D Debris Recycling Report, required for the following projects.

Projects Subject to C&D Debris Recycling

- New Construction
- All demolition projects
- Addition/Alteration that increases the conditioned area, volume, or size
- Over-the-counter permitted jobs

Each project site that requires a building permit will require its own Affidavit and Certification to Implement a WRRP and Recycling Report.

As of 2010, WRRP forms will no longer be reviewed by City staff. The Applicant must submit an Affidavit and Certification to Implement a WRRP. Effective January 1, 2017, the State requires a minimum 65% waste diversion. The City has therefore implemented a mandatory C&D Debris Recycling Program to divert at least 65% of these highly recoverable materials from the landfill.

A Recycling Report must be submitted for review and approval prior to sign-off at Final Inspection and issuance of a Temporary Certificate of Occupancy or Certificate of Occupancy. The Recycling Report documents materials, quantities, and C&D processing facilities. The quantities listed must be based on verifiable data gathered throughout the project (e.g. weigh tags, gate receipts).

The forms are available at Malibu City Hall or online at www.malibucity.org/ConDemo

Recycling Report

Application/permit number: Include the project number (e.g. CDP, APR, OC, Permit).

Contact Information: Fill out the contact information box completely. The Contact Name should be the project manager, or the person to contact with questions.

Questions 1-3: Check one box only for each question regarding project and building types.

Question 4: State the square footage of the project. For additions and alterations, list the work area only. For example, if alterations are being made to 10,000 square feet of a 100,000 square foot building, list 10,000 square feet for Size of Project. The Project Valuation should be the same as that listed in the building permit application.

Question 5: Include start and completion dates for the project.

Questions 6: Provide specific information about how the waste materials were reused, salvaged or recycled. Describe the types of containers that were used, how employees and subcontractors handled materials, and how they were informed of the established procedures.

Column A Total Quantity Discarded: The total quantity of discarded materials (by material type) generated from all phases (i.e. demolition and construction) of the project. Quantities shall be listed in tons. If quantities are only available in yards or in square feet, use the Materials Conversion Worksheet in your packet to convert material volume to tons.

Column B Salvage or Reuse: Materials that are in usable condition only. List the materials that were reused or taken to a salvage facility for reuse. Examples include wood from foundation forms that were reused on other jobs, usable lighting fixtures, windows, doors, lumber, cabinets, and donated materials (e.g. Craigslist, Habitat for Humanity).

Column C Recycling: Materials that were not reused in their present form but will be re-processed into a new product. Examples include scrap metal, untreated and unpainted wood scrap, cardboard, and drywall cut-offs.

Column D Disposal: Materials that were not be reused or recycled (i.e. material taken to landfill). Examples include unusable painted wood debris, insulation, hazardous materials, and food packaging.

Column E Material Destination: List the facility or service provider you used for reusing, recycling or disposing of each material generated from your project.

Column Totals Add up quantities listed in each column and indicate totals at the bottom.

Mixed Debris Recycling This line refers to debris generated in addition to the separated materials listed in the table above.

Question 7: Fill in the blanks using the quantities of C&D debris listed at the bottom of each column (Column Totals) to determine the percentage of waste reused or recycled.

Question 8: If the percentage reused or recycled is 65% or more, check the box marked “Yes.” If the sum is less than 65%, check the box marked “No.” Briefly explain the specific reason(s) why the goal was not achieved and attach documentation.

Question 9: The Applicant or owner/builder shall print name, sign, and date the form.

¹MATERIALS CONVERSION WORKSHEET - SEPARATED MATERIALS

<u>Material Category</u>	<u>Column I Volume</u>	<u>Units</u>	<u>x</u>	<u>Column II Tons/unit</u>	=	<u>Column III Tons</u>
Asphalt/Concrete	Asphalt (broken)	_____ cy	x	.07	=	_____
	Concrete (broken)	_____ cy	x	.09	=	_____
	Concrete (solid slab)	_____ cy	x	1.2975	=	_____
Brick/Masonry/Tile	Brick (broken)	_____ cy	x	.7	=	_____
	Brick (whole, palletized)	_____ cy	x	1.512	=	_____
	Masonry Block (broken)	_____ cy	x	.6	=	_____
	Tile	_____ sq ft	x	.00175	=	_____
Building Materials (doors, windows, cabinets, etc.)	_____	cy	x	.15	=	_____
Cardboard (flat)	_____	cy	x	.05	=	_____
Carpet	(by square foot)	_____ sq ft	x	.0005	=	_____
	(by cubic yard)	_____ cy	x	.3	=	_____
Carpet Padding/Foam	_____	sq ft	x	.000125	=	_____
Ceiling Tiles	(whole - palletized)	_____ sq ft	x	.0003	=	_____
	(loose)	_____ cy	x	.0875	=	_____
² Dirt	_____	cu ft	x	.3852	=	_____
Drywall (new or used)	1/2" (by square foot)	_____ sq ft	x	.0008	=	_____
	5/8" (by square foot)	_____ sq ft	x	.00105	=	_____
Drywall (demo/used)	(by cubic yard)	_____ cy	x	.25	=	_____
Garbage/Trash	_____	cy	x	.175	=	_____
Landscape Debris (brush trees, etc.)	_____	cy	x	.15	=	_____
Scrap Metal	_____	cy	x	.453	=	_____
Unpainted Wood & Pallets	(by board foot)	_____ bd ft	x	.001375	=	_____
	(by cubic yard)	_____ cy	x	.15	=	_____
³ Other	_____		x		=	_____

cy = cubic yards cu ft = cubic foot sq ft = square foot bd ft = board foot

Total Tons = _____

Sources:

¹: City of Oakland PWD

² CalRecycle (factor averaged between 5 different types of dirt and converted to tons for consistency)

³ For additional information visit <http://www.calrecycle.ca.gov/#Conversion>





Recycled Paper

Builders' Recycling Resource List

Los Angeles County Recycling Facilities Accepting C&D Material

(provided by Cal Recycle)

More information about Mixed C&D Processors is available online at
www.calrecycle.ca.gov/LGCentral/Library/Innovations/CnDProcess

This list was compiled by the City of Malibu as an informational list ONLY; names are listed alphabetically. Although reasonable steps have been taken to provide correct information, we do not guarantee the above information is, in all circumstances, complete and correct and do not assume any liability for any errors, inclusions or omissions in this list. The City does not endorse any of these companies.

Facility Name	Asphalt & Concrete	Brick/Masonry/Tile	Building Materials (doors, windows, fixtures, etc.)	Carpet	Carpet Padding, Foam (only)	Cardboard	Ceiling Tile (acoustic)	Drywall (used)	Drywall (new, unpainted sheets or scrap)	Scrap Metal	Unpainted Wood & Pallets	Yard Trimmings (brush, trees, stumps, etc.)	Garbage/Trash	Other	City	Phone Number
A-1 Metals Recycling										x				x	Sun Valley	(818) 767-4388
Alameda Street Metal Corp.										x					Los Angeles	(323) 564-5601
Another Pallet											x				Long Beach	(562) 437-6106
Arnie's Supply Service											x				Los Angeles	(323) 263-1696
Atkinson & Earthshine	x														Los Angeles	(714) 897-4311
BLT Enterprises L.L.C.-Central LA Transfer Station	x	x									x			x	Los Angeles	(213) 746-9700
Blue Diamond Materials	x														Irwindale	(800) 300-6120
Bradley Landfill & Recycling	x	x	x	x	x	x	x	x	x	x	x	x	x	x	Sun Valley	(818) 767-6180
Cainas Pallets											x				Compton	(310) 631-9190
Calabasas Landfill	x	x	x	x	x	x	x	x	x	x	x	x	x	x	Agoura	(818) 889-1430
Central City Pallets											x				Los Angeles	(213) 892-0599
Century Pallets											x				Lynwood	(310) 605-0788
Chandler's Landfill	x	x													Rolling Hills Estate	(310) 784-2905
Community Recycling/Resource Recovery														x	Sun Valley	(818) 767-7511
CRA-Recycle America-Vernon														x	Vernon	(323) 415-0170
Dupont Carpet Reclamation/Recycle Center				x										x	Van Nuys	(818) 374-5200
Earthshine	x													x	Los Angeles	(714) 897-4311
Falcon(JWR) Transfer Center-Wilmington (BFI)	x	x				x		x	x		x			x	Wilmington	(562) 432-2268
FS Pallets & Repair Service											x				Gardena	(310) 538-9165
Granite Construction Company	x														Littlerock	(805) 726-4447
Habitat for Humanity														x	Pacoima	(818) 897-0940
Habitat for Humanity-Pomona Valley														x	La Verne	(909) 596-7098
Hanson Aggregates	x														South Gate	(800) 300-6120
Hi Waste Disposal Co.										x	x			x	Artesia	(562) 865-8068
Hugo Neu-Proler Company										x					Terminal Island	(310) 831-0281
Irwindale Iron & Metal										x					Irwindale	(626) 359-5815

Facility Name	Asphalt & Concrete	Brick/Masonry/Tile	Building Materials (doors, windows, fixtures, etc.)	Carpet	Carpet Padding, Foam (only)	Cardboard	Ceiling Tile (acoustic)	Drywall (used)	Drywall (new, unpainted sheets or scrap)	Scrap Metal	Unpainted Wood & Pallets	Yard Trimmings (brush, trees, stumps, etc.)	Garbage/Trash	Other	City	Phone Number
Kramar's Iron & Metal Incorporated										x					Sun Valley	(818) 767-4303
Looney Bins Inc.	x	x				x		x	x	x				x	Sun Valley	(818) 768-7197
Los Angeles Waste Materials										x					Los Angeles	(213) 747-7659
Master Recycling Center, Inc.										x				x	El Monte	(626) 442-4242
Mid City Iron & Metal, Corp.										x					Los Angeles	(213) 747-4281
Newman & Sons, Inc.	x														Sun Valley	(818) 767-0700
Nu-way Live Oak Landfill-Waste Management	x	x				x		x	x		x			x	Irwindale	(626) 301-9727
Ornelas Construction Clean Up											x			x	Mission Hills	(818) 364-1278
Pacific Industrial Metal Corporation											x				Los Angeles	(310) 538-5360
Pacific West Recycling Services, Inc.														x	Manhattan Beach	(310) 545-4972
Puente Hills Landfill														x	Whittier	(562) 699-5204
RC Pallets											x				Lynwood	(310) 608-3330
Recycled Base Materials, Inc.	x														Sun Valley	(818) 767-3088
S & G Pallets											x				Los Angeles	(213) 488-9457
S & M Pallet Co.											x				Compton	(310) 635-2664
Scholl Canyon Landfill- Los Angeles County Sanitation District	x	x				x		x	x	x	x		x	x	Glendale	(213) 245-9865
Shamrock Base	x														Los Angeles	(323) 223-2366
South Coast Recycling										x					Los Angeles	(213) 245-2684
Southland Pallets											x				Los Angeles	(323) 231-1884
Ultraglass, Inc.														x	Chatsworth	(818) 772-7744
Valley Base Materials	x														Sun Valley	(818) 767-3088
Valley Iron & Metal Company										x					Sun Valley	(323) 875-2520
Vulcan Materials-Littlerock	x														Littlerock	(805) 672-2517
Vulcan Materials-Sun Valley	x														Sun Valley	(818) 768-4157
Vulcan Materials-Wilmington	x														Wilmington	(310) 834-2655
Waste Recovery & Recycling											x				South Gate	(323) 560-8488
Whittier Fertilizer											x				Pico Rivera	(562) 699-3461
Ventura County Recycling Facilities Taking C&D Material - (provided by Cal Recycle)																
California Wood Recycling-Simi Valley											x				Simi Valley	(805) 650-8852
California Wood Recycling-Ventura											x				Ventura	(805) 650-1616
Gillibrand	x														Simi Valley	(805) 526-2195
Gold Coast Recycling & Transfer Station														x	Ventura	(805) 642-9236
Habitat for Humanity														x	Oxnard	(805) 485-6065
S.P. Milling Company														x	Oxnard	(805) 485-3101
Simi Valley Base, Inc.	x	x													Simi Valley	(805) 520-3595
Simi Valley Landfill & Recycling Center	x											x		x	Simi Valley	(805) 579-7267
Tapo Rock & Sand	x														Simi Valley	(805) 526-2899
Vulcan Materials-Oxnard	x														Oxnard	(805) 672-2517



Construction & Demolition Debris Waste Reduction & Recycling Plan

This form must be completed for the following types of projects:

- *New Construction (non-residential and residential)*
- *Demolition Projects (non-residential and residential)*
- *Any Addition/Alteration that increases the building's conditioned area, volume, or size*

Recycling Plan forms are no longer reviewed/approved by City staff. The Applicant must submit an Affidavit and Certification to Implement a WRRP.

If you have questions, call: (310) 456-2489

Plan Check #: _____ Building Permit #: _____

Project Address (Include floor, suite, etc.): _____

Contact Name: _____ Title: _____

Company Name: _____

Contact Mailing Address: _____

Phone: _____ Fax: _____ Email: _____

Check all that apply

1. Type of Project: New Construction Addition/Alteration Demolition
2. Type of Building: Commercial Single Family Residence Apartment/Condominium
3. Tenant Improvement: Yes No
4. Size of Project: _____ sq. ft. Construction Valuation \$ _____
5. Estimated Start Date: _____ Estimated Completion Date: _____

6. Briefly state how waste materials will be handled at your job site to ensure salvage/reuse or recycling. Also explain how you will inform your workers/sub-contractors of your Waste Reduction and Recycling Plan requirements and ensure their participation (additional pages may be added). **Be sure to provide an adequate answer to this question when submitting the Summary Report.**

Please do not write below this line

Approval Signature: _____ Date: _____

Comments: _____

Column A: List estimated quantities of waste for each material type (in tons). To convert yards to tons, use the Materials Conversion Worksheet provided in your packet.

Columns B, C, D: List estimated quantities to be reused/salvaged, recycled, or disposed.

Column E: State the name of all vendors or facilities used to reuse, recycle or dispose of material listed.

Column Totals: Add up all quantities listed in Column A; do the same for Columns B, C and D. Double check your math for accuracy and record totals at the bottom of each column.

Plan Check #: _____ **Project Address:** _____

Material Handling Methods - Indicate quantities (in tons only) for each material listed.					
Material Type	A Total Tons Generated (A=B+C+D)	B Quantity Salvaged or Reused	C Recycling	D Disposal	E Designate Material Destination(s) (R)=Recycled, (D)=Disposal, (S)=Salvage/Reuse
EXAMPLE	2 tons		1.5	.5	(R) Downtown Diversion (D) Calabasas Landfill
Asphalt & Concrete					
Brick/Masonry/Tile					
Building Materials (doors, windows, fixtures, etc.)					
Carpet					
Carpet Padding/Foam					
Cardboard					
Ceiling Tile (acoustic)					
Dirt					
Drywall (used)					
Drywall (new, unpainted sheets or scrap)					
Landscape Debris (brush, trees, stumps, etc.)					
Scrap Metal					
Unpainted Wood and Pallets					
Garbage/Trash					
Other					
Recycled Mixed Debris					
Column Totals					

7. To determine if you met the required 65% project waste reduction complete the following with the Column Totals:

$$B \text{ _____} + C \text{ _____} \div A \text{ _____} = \text{ _____} \times 100 = \text{ _____} \%$$

8. Is the percentage listed in #7 greater than or equal to 65%? YES NO If "NO" please explain why below:

9. Print Name: _____ Signature: _____ Date: _____



City of Malibu

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City's Implementation of State Law:

Construction and Demolition (C&D) Debris Recycling Program

Pursuant to Integrated Waste Management Act of 1989 (Assembly Bill (AB) 939)

California AB 939 provides: "Required each city or county plan to include an implementation schedule which shows: diversion of 50 percent of all solid waste by January 1, 2000 through source reduction, recycling, and composting activities." Effective January 1, 2017, the State of California requires a minimum 65% waste diversion. The City has therefore implemented a mandatory Construction and Demolition (C&D) Debris Recycling Program to divert at least 65% of these highly recoverable materials from the landfill. This Program applies to residential and non-residential projects within city limits.

Address & Project Number (e.g. CDP, APR, OC, Permit)

Applicant Phone Number or Email

AFFIDAVIT OF PROJECT TYPE: (check one)

- New Construction.** A Recycling Report shall be submitted detailing how at least 65% of C&D debris was recycled/salvaged. Sign the Affidavit and Certification.
- Demolition.** A Recycling Report shall be submitted detailing how at least 65% of C&D debris was recycled/salvaged. Sign the Affidavit and Certification.
- Addition/Alteration that increases the building's conditioned area, volume, or size.** A Recycling Report shall be submitted detailing how at least 65% of C&D debris was recycled/salvaged. Sign the Affidavit and Certification.
- Demolition due to a fire.** Exempt from Recycling Report submittal. Sign the Affidavit only.
- Addition/Alteration that does not increase the conditioned area, volume, or size.** Exempt from Recycling Report submittal. Sign the Affidavit only.

Signature

Printed Name

Date

Property Owner/ Authorized Agent (circle one) Licensed Contractor, License No. _____

CERTIFICATION OF IMPLEMENTATION: C&D DEBRIS RECYCLING PROGRAM

This is to certify a Waste Reduction & Recycling Plan (WRRP) for the above-referenced address will be implemented to divert a minimum of 65% and a Recycling Report shall be submitted to the Environmental Sustainability Department upon project completion, prior to obtaining final building approval and, when applicable, a Certificate of Occupancy.

I declare that I have read and understand the requirements of the City's C&D Debris Recycling Program and that the foregoing is true and correct.

Signature

Printed Name

Date

Property Owner/ Authorized Agent (circle one) Licensed Contractor, License No. _____



Construction & Demolition Debris Recycling Report

This form must be completed for the following types of projects:

- *New Construction (non-residential and residential)*
- *Demolition Projects (non-residential and residential)*
- *Any Addition/Alteration that increases the building's conditioned area, volume, or size*

Submit Reports 7-10 business days prior to Final Building Inspection. Questions: (310) 456-2489

NOTE: *Recycling Reports must be submitted prior to approval at Final Building Inspection and must be approved prior to issuance of Certificate of Occupancy/Temporary Certificate of Occupancy.*

Plan Check #: _____ Building Permit #: _____

Project Address (Include floor, suite, etc.): _____

Contact Name: _____ Title: _____

Company Name: _____

Contact Mailing Address: _____

Phone: _____ Fax: _____ Email: _____

Check all that apply

1. Type of Project: New Construction Addition/Alteration Demolition
2. Type of Building: Commercial Single Family Residence Apartment/Condominium
3. Tenant Improvement: Yes No
4. Size of Project: _____ sq. ft. Construction Valuation \$ _____
5. Estimated Start Date: _____ Estimated Completion Date: _____

6. Briefly state how waste materials **were handled at your job site** to ensure salvage/reuse or recycling. Also explain how you informed your workers/sub-contractors of your Waste Reduction and Recycling Plan requirements and ensured their participation. Include any additional comments.

Please do not write below this line

Approval Signature: _____ Date _____

Comments: _____

Column A: List estimated quantities of waste for each material type (in tons). To convert yards to tons, use the Materials Conversion Worksheet provided in your packet.

Columns B, C, D: List estimated quantities to be reused/salvaged, recycled, or disposed.

Column E: State the name of all vendors or facilities used to reuse, recycle or dispose of material listed.

Column Totals: Add up all quantities listed in Column A; do the same for Columns B, C and D. Double check your math for accuracy and record totals at the bottom of each column.

Plan Check #: _____ **Project Address:** _____

Material Handling Methods - Indicate quantities (in tons only) for each material listed.					
Material Type	A Total Tons Generated (A=B+C+D)	B Quantity Salvaged or Reused	C Recycling	D Disposal	E Designate Material Destination(s) (R)=Recycled, (D)=Disposal, (S)=Salvage/Reuse
EXAMPLE	2 tons		1.5	.5	(R) Downtown Diversion (D) Calabasas Landfill
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Brick/Masonry/Tile					
Building Materials (doors, windows, fixtures, etc.)					
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Carpet Padding/Foam					
Cardboard					
Ceiling Tile (acoustic)					
Dirt					
Drywall (used)					
Drywall (new, unpainted sheets or scrap)					
Landscape Debris (brush, trees, stumps, etc.)					
Scrap Metal					
Unpainted Wood and Pallets					
Garbage/Trash					
Other					
Recycled Mixed Debris					
Column Totals					

7. To determine if you met the required 65% project waste reduction complete the following with the Column Totals:

$$B \text{ _____} + C \text{ _____} \div A \text{ _____} = \text{ _____} \times 100 = \text{ _____} \%$$

8. Is the percentage listed in #7 greater than or equal to 65%? YES NO If "NO" please explain why below:

9. Print Name: _____ Signature: _____ Date: _____