



**Construction and Demolition (C & D)
Debris Re-use & Recycling Program**

January 2018

Building and Safety

Contact: (805)525-4478

970 Ventura St. Santa Paula, CA, 93060



Public Information

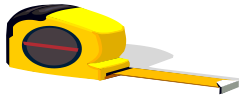
City of Santa Paula • Public Works Department

Construction and Demolition (C&D) Debris Reuse and Recycling Program



What is the Construction and Demolition Debris Reuse and Recycling Program?

State law requires the City to divert landfill-bound solid waste material through the use of waste prevention, recycling and re-use. To meet this law, City of Santa Paula adopts the California Green Building Standards Code 2016 edition as published in Title 24 of the CCR, Part 11, which requires permit applicants working on construction and/or demolition projects within City limits to practice waste prevention; re-use, recycle or salvage; and, least preferred, landfilling solid wastes.



Thresholds for Reporting –

The thresholds for planning and reporting job site waste diversion are:

- Commercial and residential additions or alterations that require a building permit;
- Demolition of any structure requiring a permit, regardless of cost or value.



Reporting Forms –

For all projects within the City limits meeting or exceeding the above listed thresholds, submission of reporting Forms A is required:

Form A: Certificate of Implementation

Form B: Post Construction Waste Reduction/Recycling Summary Report (WRRS)

- ✓ Submitted within 30 days of the end of the project or prior to occupancy;
- ✓ Actual quantities of waste generated;
- ✓ Original weight tickets or receipts to verify solid waste material diversion.



Landfill Diversion Requirement –

City of Santa Paula adopts the California Green Building Standards Code 2016 edition as published in Title 24 of the CCR, Part 11, which requires a minimum of 65% (by weight) diversion, through recycling, reusing or salvaging solid waste materials generated at all City project sites meeting or exceeding the reporting thresholds shown on the other side of this flier.



Authorized Haulers –

The following companies are the only haulers maintaining either residential or commercial franchise service agreements with the City of Santa Paula:

- Athens Services (805) 933-0100

**City of Santa Paula
Building and Safety
970 Ventura St., Santa Paula, California 93060
Phone: 805-933-4212 / Fax: 805-525-3742**





**Form A: Certificate of Implementation
City's Implementation of State Law:**

**Construction and Demolition (C&D) Debris Recycling Program
State of California Green Building Code (CalGreen)**

The Green Building Code: Effective January 1, 2017, the 2016 CalGreen requires that all Commercial additions or alterations, all Residential additions or alterations that add floor space/increase size, all Demolition of any structure requiring a permit and all New Construction (pursuant to the Green Building Code) are required to divert 65% of the construction materials generated during the project. 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 in accordance with CalGreen. This Program shall apply to residential and non-residential projects within the City.

Property Address

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

Owner/Developer Name

Phone#

E-mail address

Proposed Solid Waste Hauler: _____

* A change in hauler is permitted as long as applicant notifies City in writing.

AFFIDAVIT OF PROJECT TYPE: (check one or more)

The project involves new construction.

The project involves commercial addition/alteration.

The project involves demolition.

The project involves residential addition/alteration.

For all projects: A Summary Report shall be submitted to the Planning Counter detailing how a 65% or greater diversion **was met** to comply with CalGreen. Sign both the Affidavit and Certification below.

Signature

Printed Name

Date

Property Owner/ Authorized Agent (circle which)

Licensed Contractor, License No. _____

CERTIFICATION OF IMPLEMENTATION: C&D DEBRIS RECYCLING PROGRAM

This is to certify a C&D Recycling Program for the above-referenced address will be implemented to divert a minimum of 65% and a Summary Report (detailing how the diversion was met) shall be submitted to the Planning Counter upon project completion, prior to obtaining 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 which)

Licensed Contractor, License No. _____



Detailed Instructions for Completing Post-Construction Waste Reduction/Recycling Summary Report (WRRS Report)

These are line-by-line instructions for completing the Pre-Construction Waste Reduction & Recycling Plan (WRRP) and Post-Construction Waste Reduction/Recycling Summary Report (WRRS Report) forms required for all affected projects.

Affected Projects

- Commercial and residential additions or alterations that require a building permit
- Demolition of any structure requiring a permit, regardless of cost or value.

Reminder: Each affected project site that requires a Building Permit will require its own WRRP and Summary Report.

Both Forms:

Contact Information: Fill out the contact information section completely. The “contact name” should be the project manager, or the person City staff should contact with questions about information provided in the WRRS. Please include an email address (if available).

Questions 1-3: Check the box 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 estimated start and completion dates for the project.

Question 6: Provide specific information about how you will ensure that waste materials are reused, salvaged or recycled. Describe the types of containers that will be used, how employees and subcontractors will handle materials, and how they will be informed of the established procedures.

Post-Construction Waste Reduction/Recycling Summary Report (WRRS Report):

On the Summary Report include the permit number issued at the Public Counter at City Hall.

Column A Total Quantity Discarded: An estimate of the total quantity of discarded materials (by material type) that will be 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 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 will be reused or taken to a salvage facility for reuse. Examples include wood from foundation forms that will be reused on other jobs, usable lighting fixtures, windows, doors, lumber, cabinets, etc. Note: Donated materials are also listed here.

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

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

Column E Material Destination: List the facility or service provider contracted to use for reusing, recycling or disposing of each material generated from your project. The example on page 2 of the WRRP form shows how to handle instances where more than one facility will be used for a single material. The Builders' Recycling Resource List can be used to locate an appropriate facility.

Column Totals Total 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. In order to receive credit for recycling mixed debris, you must use a permitted facility.

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". Applicants who indicate in their WRRP that they will not be recycling or salvaging 65% or more of the waste generated from their project must briefly explain on their WRRP why they cannot comply with the City's Waste Reduction and Recycling Requirements. Applicants may also be asked to submit additional information regarding the specific reasons why salvaging or recycling debris from the project is not feasible. If economic hardship is claimed, applicants must include a written comparison of extra costs that would be incurred as a result of recovering materials for reuse, salvage, or recycling as opposed to disposal.

Question 9: Print your name. Sign and date the WRRS.



Form B: Post-Construction Waste Reduction & Recycling Summary Report

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

- Demolition of any structure requiring a permit
- All New Construction (non-residential & residential)
- Additions/Remodels that add floor space/increase size

NOTE: Completed WRRS Reports shall be submitted to the City of Santa Paula Planning Counter 5 days prior to Final Inspection and issuance of Certificate of Occupancy or Temporary Certificate of Occupancy. If you have questions, please call: 805-933-4212.

Building Permit#: _____

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

Contact Name: _____ Title: _____

Company Name: _____

Contact Mailing Address: _____

Phone: _____ Fax: _____ Email: _____

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. Project Completion Date: _____

6. Briefly state how solid waste material was handled on your job site to ensure salvage/reuse or recycling.

Please do not write below this line

Plan approve by: _____ Title: _____

Signature: _____ Date: _____

AB 939 Goal Requirement: Reduce quantity of materials disposed at landfills by 50% or more.

Column A: List actual 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 actual quantities reused, recycled, or disposed.

Column E: State the name of all vendors or facilities used to reuse, recycle or dispose of material listed. See example below for cases where more than one facility was used for a particular material type.

Column Totals: Add up all quantities listed in Column A. Do the same for Columns B, C and D.

Building Permit#: _____ Project Address: _____

Waste Reduction & Recycling Summary REPORT (WRRS Report)

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 Actual Destination(s) (R): Recycled (D): Disposal
Example: Cardboard	2 tons		1.5	.5	(R) Looney Bins (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 the required 50% project waste reduction was met, complete the following with the Column Totals:

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

8. Is the percentage listed in #7 greater than or equal to 50%? YES NO - If "NO" please explain why:

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

MATERIALS CONVERSION WORKSHEET - SEPARATED MATERIALS¹ (Total Tons Generated)

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. It can be used for preparing your WRRP and Summary Report, which require that quantities be provided in tons. Step 1 - For your WRRP, enter estimated quantity for each applicable material in Column I, based on units of cubic yards (cy), cubic foot (cu ft), square feet (sq ft), or board foot (bd ft). For your Summary Report, use the actual quantities, based on weight tags, gate receipts, or other documents. Step 2 - Multiply by Tons/Unit figure listed in Worksheet Column II. Enter the result for each material in Column III. Step 3 - Enter quantities for each separated material from Column C on the Worksheet into the corresponding section of Column A of your WRRP or Summary Report.

<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	= _____
¹ 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	= _____
² Other	_____	_____	_____	x		= _____

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

Total Tons = _____

Sources:

¹ California Integrated Waste Management Board (factor averaged between 5 different types of dirt and converted to tons for consistency)

² For additional conversion factors go to <http://www.ciwmb.ca.gov/lglibrary/dsg/apndxi.htm#Conversion>