



**Construction and Demolition Debris Waste Management Plan
RESIDENTIAL and NON-RESIDENTIAL PROJECTS -
DIVERSION REQUIREMENTS**

Requirements

Pursuant to the California Green Building Code (2019 CALGreen), the City of Rancho Palos Verdes requires diversion of construction and demolition waste from residential construction and demolition projects. The project types and diversion requirements are:

| PROJECT TYPE | CRITERIA | REQUIRED DIVERSION |
|--|--|--|
| RESIDENTIAL | | |
| New Construction (all permitted structures) | Low Rise (3 stories or less) | A) Equal to or greater than 65% diversion, <u>OR</u> B) Disposal of less than or equal to 3.4 pounds per square foot |
| | High Rise (4 stories or more) | A) Equal to or greater than 65% diversion, <u>OR</u> B) Disposal of less than or equal to 3.4 pounds per square foot |
| Additions (all permitted projects) | Any addition that increases the building's conditioned area, volume or size [requirements only apply to and within the specific area of the addition] | Equal to or greater than 65% diversion |
| Alterations | Any alteration that increases the building's conditioned area, volume or size [requirements only apply to and within the specific area of the alteration]. | Equal to or greater than 65% diversion |
| Demolition Only (all permitted structures of any size) | Structure is defined by the CA Building Code as that which is built or constructed. Applies to buildings designed for occupancy. | Equal to or greater than 65% diversion |
| NON-RESIDENTIAL | | |
| New Construction (all permitted structures) | All permitted structures of any size (does not include additions, alterations or repairs) | A) Equal to or greater than 65% diversion, <u>OR</u> B) Disposal of less than or equal to 2 pounds per square foot |
| Demolition only | All permitted projects of any size | Equal to or greater than 65% diversion |
| Additions | Less than 1,000 sq.ft. | Equal to or greater than 65% diversion |
| | 1,000 sq.ft. or greater | A) Equal to or greater than 65% diversion <u>AND</u> B) Universal Waste (i.e.batteries, e-waste, lamps, cathode ray tubes/glass, aerosol cans) must be managed properly and diverted from the landfill. |
| Alterations | Less than \$200,000 valuation | Equal to or greater than 65% diversion |
| | Equal or greater than \$200,000 valuation | A) Equal to or greater than 65% diversion <u>AND</u> B) Universal Waste (i.e.batteries, e-waste, lamps, cathode ray tubes/glass, aerosol cans) must be managed properly and diverted from the landfill. |
| Soil Excavation and Land Clearing | All permitted soil excavation and land clearing projects | 100% of trees, stumps, rocks, and associated vegetation and soils resulting from land clearing (Exception: Reuse, either on or off-site, of vegetation or soil contaminated by disease or pest infestation). |

City of Rancho Palos Verdes



Community Development Department
 Building and Safety Division
 (310) 265-7800
buildingsafety@rpvca.gov

Construction and Demolition Debris Waste Management Plan (WMP) RESIDENTIAL and NON-RESIDENTIAL PROJECTS INSTRUCTIONS

Pursuant to the California Green Building Code of 2019 (2019 CALGreen), the City of Rancho Palos Verdes requires diversion of construction and demolition (C&D) debris from residential and non-residential construction and demolition projects.

You have received this packet because your project must meet the recycling standards identified by the 2019 CALGreen thresholds.

The contents of this packet constitute a Waste Management Plan (WMP). This packet is designed to track the amount of C&D debris diverted or disposed for your project and is to be submitted to RPV Building & Safety to demonstrate compliance with CALGreen requirements.

A Waste Management Plan is to be submitted to RPV Building & Safety, otherwise your demolition/building permit will **NOT** be finalized.

Step 1: Complete Forms A and B

Form A is the **PROJECT INFORMATION** form. This form asks for basic project information, such as type, description, size, valuation, and applicant contact information.

Form B is the **PRE-PROJECT WORKSHEET** form. This form asks for estimated amounts of debris that will be generated by the project.

Option 1: If you are electing to contract with hauler(s) from the RPV **Authorized Hauler** list and/or facilities from the **Facility Info** list who will handle recycling compliance on your behalf, complete **Form B (simple form)**.

Option 2: If you will be handling all waste management activities (through the use of your contractor's own bins, or extensive reuse), complete **Form B1**. Estimate the weight of the C&D debris, by material type, that will be recycled, reused, salvaged, disposed and/or transformed from your project.

You must complete either **Form B (simple form)** or **Form B1**.

Step 2: Submit Forms to Building & Safety

Forms A and B (or B1) must be submitted and approved before you can obtain a demolition or construction permit from the City of Rancho Palos Verdes.

Step 3: Complete POST-PROJECT SUMMARY - FORM C

At least 5 business days prior to final inspection, submit a completed **FORM C** to Building & Safety at buildingsafety@rpvca.gov. Weight tickets must be attached whether you use an authorized hauler, or use your contractor's own bins to haul away.

NOTE A **FACILITY INFO** list showing nearby companies that accept C&D materials for recycling is included in this packet. This list was developed to assist you in finding local facilities to use as an alternative to disposal. If you use a certified mixed C&D processing facility, your project will meet the diversion requirements.

There are authorized haulers that do business in Rancho Palos Verdes. The **HAULER LIST** showing companies that are authorized to collect solid waste in RPV is included in this packet. You must use one of these haulers if contracting for waste removal service.

For your convenience, there are electronic versions of the forms that will automatically calculate waste generation, disposal, and diversion based on the data entered.

EXEMPTION: If you believe your project cannot achieve the required diversion, you must complete and submit **Form D**, the **EXEMPTION REQUEST** form, to the City explaining the circumstances, and requesting an exemption from the requirements.

Must Be Completed Prior To Permit Issuance

City of Rancho Palos Verdes

Community Development Department
Building and Safety Division
 (310) 265-7800
 buildingsafety@rpvca.gov

Plan Check No.: _____

FORM A - PROJECT INFORMATION
ALL PERMITTED RESIDENTIAL AND NON-RESIDENTIAL PROJECTS

This form must be completed and approved or a demolition/building permit will NOT be issued

Pursuant to the California Green Building Code (2019 CALGreen), the City of Rancho Palos Verdes requires that contractors/homeowners complete a Waste Management Plan (WMP) for the reduction of waste produced from demolition and construction work performed within the City. City staff will provide assistance in developing and implementing the Waste Management Plan. If you have any questions regarding these requirements, please contact your assigned City Planner or Inspector first.

Project Address: _____ **Date:** _____
Applicant Name: _____
Mailing Address: _____ **City:** _____ **State:** _____ **Zip:** _____
Phone No.: _____ **Fax No.:** _____ **Email:** _____
Property Owner: _____ **Phone No.:** _____ **Email:** _____

Project Type: Mark appropriate box with an "X":
 New Construction
 Demolition (all)
 Addition
 Alteration

 ↳ **Sq.Ft.** _____
 ↳ **Valuation \$** _____

Detailed Description of Project:

To the best of my knowledge, the above information is an accurate representation of the proposed project. I have been made aware of the 2019 CALGreen requirements and will comply with all requirements.

_____ **Print Name**
 _____ **Signature**
 _____ **Date**

B&S and/or PW OFFICE USE ONLY - Approval Status

Approved
 Denied
 Further Explanation Needed
 Exempt due to Infeasibility

Reviewed by: _____ **Date:** _____

Form B or B1 Must Be Completed Prior To Permit Issuance

City of Rancho Palos Verdes



Community Development Department
Building and Safety Division
(310) 265-7800
buildingsafety@rpvca.gov

Plan Check No.: _____

Date: _____

Project Site: _____

Form B (Simple Form) - PRE-PROJECT WORKSHEET
ALL PERMITTED RESIDENTIAL AND NON-RESIDENTIAL PROJECTS

USE RPV's AUTHORIZED HAULERS

Instead of completing a detailed accounting of the types and quantities of C&D debris that will be generated from this project (FORM B1), you have the option to select one of RPV's authorized waste haulers. These haulers can handle your project's debris in such a way as to comply with CALGreen recycling standards.

If you elect this option, please specify which authorized hauler(s) and/or facility(ies) you will be using and sign the acknowledgement below.

It is your responsibility to ensure that the hauler knows you are contracting for "C&D Recycling Service" so that the material is properly handled and waste diverted. You need to obtain weight tickets from the hauler indicating the type and weight of the material collected.

In order to comply with the requirements of this WMP, I will contract with the following hauler(s):

(Names are in alphabetic order. Place a check next to the company or companies that you will contract with for this project)

- CalMet Services
- California Waste Services (CWS)
- Consolidated Disposal (aka Republic/Allied Waste)
- EDCO Disposal (EDCO)
- Universal Waste Systems (UWS)
- Waste Management - L.A. (WM)
- West Coast Rolloff

I understand that I am responsible for obtaining copies of any and all weight tickets from all haulers and/or all facilities which receive debris from this project and that I will submit a Post-Project Summary (FORM C) at least 5 business days prior to final inspection.

Print Name

Signature

Date

Form B or B1 Must Be Completed Prior To Permit Issuance



Project Number: _____

Date: _____

Project Site: _____

Form B1 - PRE-PROJECT WORKSHEET
ALL PERMITTED RESIDENTIAL AND NON-RESIDENTIAL PROJECTS

**Complete this form if you elect not to use a RPV authorized hauler
 USE OF OWN COMPANY'S BINS**

In the table below, list estimated weight of debris, by material type, that will be generated, recycled, reused, salvaged, disposed, and/or transformed by this project. You must include the facility(s) and all recyclers, salvage companies, recycling facilities, mixed use material recovery facilities, landfills, and/or transformation facilities that will be used for this project.

To estimate **GENERATION (1)**, enter estimates either in volume (cubic yards, CY) or weight (tons, T) for each material type that will be handled by the project. If you do not know weights, you must calculate the weight by multiplying the volume by the conversion factor, then dividing the pounds by 2,000 to get tons.

After generation is estimated, enter the estimate for **DIVERSION (2)** for each material type that will be handled by the project. This can be split between recycling and reuse/salvage.

The difference between generation and diversion is **DISPOSAL (3)**. If no diversion will take place for a material type, then disposal will equal the generation amount for each material type. If only a portion of the material will be diverted, then the remainder will be disposed.

If a Mixed C&D Processing facility is to be used, enter the estimated volume to be delivered to the facility, the recycling rate for that facility, and the subsequent recycling and disposal estimates.

To estimate the project's **DIVERSION RATE (D)**, divide the total of all **DIVERSION (B)** by the total of all **GENERATION (A)** and multiply by 100.

| MATERIAL TYPE | GENERATION (1) | DIVERSION (2) | | | DISPOSAL (3) | | Name of Hauler and/or Facility |
|---|-------------------------------|----------------------------|-------------------------------|--|---|---|--------------------------------|
| | Total Tons to be Generated*** | Tons to be Recycled | Tons to be Reused or Salvaged | Total Tons Recycled, Reused, or Salvaged | Commingled & Sorted Offsite (Off); or Source Separated On-Site (On) | Total Tons to be Disposed and/or Transformed | |
| Asphalt | 19.32 | 16.42 | 1.93 | 18.35 | On | 0.97 | Self - Chandler's |
| Mixed C&D Debris Processing | 286.00 | 75% | Recycling Rate | 214.50 | Off | 71.50 | Self - CWS |
| Asphalt | | | | | | | |
| Bulky Items | | | | | | | |
| Cardboard | | | | | | | |
| Carpet | | | | | | | |
| Carpet Padding | | | | | | | |
| Concrete/Dirt/Gravel/Rock/Sand | | | | | | | |
| Doors | | | | | | | |
| Fiberglass Insulation | | | | | | | |
| Fixtures | | | | | | | |
| Flat Glass | | | | | | | |
| Gypsum | | | | | | | |
| HVAC Ducting | | | | | | | |
| Leaves & Grass | | | | | | | |
| Major Appliances | | | | | | | |
| Metals | | | | | | | |
| Other Aggregates | | | | | | | |
| Roofing Material (Asphalt/Clay) | | | | | | | |
| Trimnings/Branches/Stumps | | | | | | | |
| Windows | | | | | | | |
| Wood, Lumber, Pallets | | | | | | | |
| Mixed Trash | | | | | | | |
| Mixed C&D Debris Processing (all material to be mixed and hauled offsite for recycling) | | | | | | | |
| TOTAL GENERATION (A) | | | | | | | |
| | | TOTAL DIVERSION (B) | | | | | |
| Definitions | | | | | | ESTIMATED TOTAL PROJECT DIVERSION RATE (D) | |
| Disposal is debris that is delivered to a landfill and/or transformation facility and not recycled, reused, or | | | | | | | |
| Diversion is debris that is recycled, reused, or | | | | | | | |
| Generation is the total of all disposal and diversion | | | | (B÷A)*100 | | | |

*** If you need to estimate tons based on cubic yards, use the conversion factor worksheet on the back and copy the result from Column C.

Conversion Factor Worksheet

Use this worksheet if you need to convert cubic yards to tons for your project estimates.

| | Pounds per | Estimated | Tons = (Column |
|---------------------------------|------------|-----------|----------------|
| | | | 2000 |
| | Column A | Column B | Column C |
| Asphalt | 772.80 | | |
| Bulky Items | 80.00 | | |
| Cardboard | 53.00 | | |
| Carpet | 147.00 | | |
| Carpet Padding | 62.00 | | |
| Concrete/Dirt/Gravel/Rock/Sand | 929.33 | | |
| Fiberglass Insulation | 17.00 | | |
| Flat Glass | 1400.00 | | |
| Gypsum | 467.00 | | |
| HVAC Ducting | 47.00 | | |
| Leaves & Grass | 312.50 | | |
| Major Appliances | 145.00 | | |
| Metals | 225.00 | | |
| Other Aggregates | 860.00 | | |
| Roofing Material (Asphalt/Clay) | 795.50 | | |
| Trimmings/Branches/Stumps | 127.00 | | |
| Wood, Lumber, Pallets | 169.00 | | |
| Mixed C&D Debris | 1100.00 | | |

Must be Completed In Order To Obtain Final Approval

City of Rancho Palos Verdes



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Building and Safety Division
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buildingsafety@rpvca.gov

FORM C - POST-PROJECT SUMMARY

Project Address: _____ Plan Check No.: _____

Applicant Name: _____ Date: _____

This form must be submitted to Building & Safety at least 5 business days prior to final inspection. Provide facility name, material, and total tonnage disposed and/or diverted. Documentation must be attached (i.e. weight tickets). If an approved mixed waste processing facility was used, a report by the facility for this project is preferred. Return the completed form to Building & Safety at buildingsafety@rpvca.gov. You may use additional sheets if necessary.

USE OF AUTHORIZED HAULERS OR FACILITIES

If you used one of the authorized haulers or facilities included in your packet, complete this section, then skip to the SIGNATURE section below.

I used _____ to meet the recycling requirements. Weight tickets are attached.
(List haulers and/or facilities that were used)

SUMMARY

I. FACILITIES

Please list all facilities (i.e. landfill and/or transformation, recycling/reuse/salvage, mixed C&D debris processing, materials recovery) used for this project and enter the sum of all tickets/receipts per facility:

| FACILITY NAME | TONS DELIVERED | TONS DIVERTED | TONS DISPOSED | DIVERSION RATE |
|------------------------|----------------|---------------|---------------|----------------|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| Other (reused on site) | | | | |
| TOTALS | (A) | (B) | (C) | |

PROJECT DIVERSION

II. Please enter disposal and diversion totals for each item below, according to Columns A through C above. Totals reported must match those listed in Section I:

TOTAL GENERATED (A) **TOTAL DIVERTED** (B) **TOTAL DISPOSED** (C)

OVERALL PROJECT DIVERSION RATE %
(B/A)*100

SIGNATURE

To the best of my knowledge, the above information is an accurate representation of the disposition of the construction and demolition materials generated on the jobsite. I understand that the City of Rancho Palos Verdes may audit disposal and recycling documentation for this project.

Print Name _____ Date _____ Signature _____

| B&S and/or PW OFFICE USE ONLY | | | |
|-------------------------------|------------------------------|-----------------------------|---|
| Diversion Requirement Met: | <input type="checkbox"/> Yes | <input type="checkbox"/> No | Exemption: <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Reviewed and Approved by: | _____ | | Date: _____ |

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FORM D - EXEMPTION REQUEST

Project Address: _____

Plan Check No.: _____

Applicant Name: _____

Date: _____

If it is infeasible for you to comply with all of the requirements set forth by the Construction and Demolition Debris Recycling Form and you are requesting an infeasibility exemption, please use the following space to explain why your project should be considered exempt from CALGreen recycling requirements.

B&S and/or PW OFFICE USE ONLY

Exemption Approved: Yes No

Reviewed By: _____ Date: _____



**CITY OF RANCHO PALOS VERDES
CONSTRUCTION AND DEMOLITION DEBRIS RECYCLING
RECYCLING AND DIVERSION FACILITIES LOCATED NEAR RANCHO PALOS VERDES
FACILITY INFORMATION SHEET**

| Company Name, Address, City | Phone Number/Business Hours | Materials Accepted | Certified Recycling Rate |
|--|---|--|---|
| 25TH STREET RECYCLING 2121 East 25th Street Los Angeles, CA 90058 | (323) 583-7913 Mon - Fri, 6:30am - 11pm Sat, 6am - 6pm | Asphalt, concrete, concrete block | 100% |
| AMERICAN RECLAMATION 4560 Doran Street Los Angeles, CA 90039 | (323) 245-0125 Mon - Fri, 7am - 5pm Sat, 7am - 3pm | C&D debris: wood, metal, drywall, cardboard, rock, soil, gravel, asphalt, concrete | 70% |
| ALLIED WASTE FALCON 3031 East "I" Street Wilmington, CA 90744 | (562) 590-8531 Mon - Fri, 6am - 6pm Sat, 6am - 2pm | C&D debris: wood, metal, drywall, cardboard, rock, soil, gravel, asphalt, concrete | 65% |
| CALIFORNIA WASTE SERVICES 621 West 152nd Street Gardena, CA 90247 | (800) 839-5550 Mon - Fri, 6am - 10pm Sat, 7am - 7pm | C&D debris: wood, metal, drywall, cardboard, rock, soil, gravel, asphalt, concrete | 78.36% |
| CHANDLERS SAND & GRAVEL 1171 Alameda St. Wilmington, CA 90744 | (310) 784-2914 Mon - Fri, 7am - 4pm Sat by Appt Only | Asphalt, concrete, gravel, rock, other inert materials | Clean asphalt and concrete - 100% * Asphalt and concrete mixed with dirt - 50% * |
| CLEAN UP AMERICA 2900 East Lugo Street Los Angeles, CA 90023 | (323) 980-9930 Mon - Sat, 5:30am- 4pm | C&D debris: wood, metal, drywall, cardboard, rock, soil, gravel, asphalt, concrete | 70% |
| DIRECT DISPOSAL 3720 Noakes Street Los Angeles, CA 90023 | (323) 262-1604 Mon - Fri, 5am - 4pm Sat, 6am - 11am | C&D debris: wood, metal, drywall, cardboard, rock, soil, gravel, asphalt, concrete | 78% |
| DOWNTOWN DIVERSION - WM 2424 East Olympic Boulevard, Bldg. 3 Los Angeles, CA 90021 | (213) 612-5005 Mon - Fri, 6am - 6pm Sat, 6am - 3pm | C&D debris: wood, metal, drywall, cardboard, rock, soil, gravel, asphalt, concrete | 81% |
| FS SOUTHWEST WOODWORKS CO. 140 E. 163rd St. Gardena, CA 90248 | (310) 538-9165 Mon - Fri, 7:30am - 4pm | Wood Pallets Only | * Not Certified |
| FREEWAY BUILDING MATERIALS 1124 South Boyle Avenue Los Angeles, CA 90023 | (323) 261-8904 Mon - Fri, 8am - 4pm Sat, 8am - 3pm | Architectural salvage | 100% |
| G. HARRIS INTERNATIONAL 1025 MacFarland Ave. Wilmington, CA 90744 | (310) 513-1424 Call for Hours | Metal | * Not Certified |
| HANSON AGGREGATES 6956 Cherry Avenue Long Beach, CA 90805 | (626) 856-6700 Option 1 Mon - Fri, 7am - 3:30pm Sat. 7am -2pm | Asphalt, concrete | 100% |
| HANSON AGGREGATES 2850 California Avenue Long Beach, CA 90805 | (626) 856-6700 Option 1 Mon - Fri, 7am - 3:30pm | Asphalt, concrete | 100% |
| LOVCO CONSTRUCTION RECYCLING SITE 23320 S. Alameda St. Carson, CA 90810 | (562) 595-1601 Mon-Fri, 7am-3pm | Asphalt, concrete | * Not Certified |
| SIMS METALS 901 New Dock St. Terminal Island, CA 90731 | (310) 831-0281 Mon-Fri, 6am-9pm Sat, 6am-3pm | Metal | * Not Certified |
| SOUTHERN CALIFORNIA ARCHITECTURAL SALVAGE 1600 South Santa Fe Avenue Los Angeles, CA 90021 | (213) 623-3119 Mon - Fri, 8am - 5pm Sat - Sun, 9:30am - 3pm | Architectural salvage | 100% |

These facilities are certified by the City of Los Angeles and/or County of Los Angeles to attain a minimum of 65% diversion.

* Please call facility for diversion rate. Rate is not certified by City of Rancho Palos Verdes, City of Los Angeles or County of Los Angeles. Must provide documentation of recycling rate with submittal of Form C.

Always call the company first, as information is subject to change, and some facilities may take only a specific type of material.


The City of Rancho Palos Verdes 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 City of Rancho Palos Verdes or the City of Los Angeles or the County of Los Angeles. The list is not intended to be exhaustive, but has been developed to assist contractors in finding conveniently located recycling facilities as an alternative to disposal.



RPV's LIST OF AUTHORIZED COMMERCIAL HAULERS (ROLL-OFFS & BINS) 2020

Total of 7 Companies

The list below is in alphabetic order. You may contact any hauler from this list and select the best price and service that suits your needs.

| CAL MET SERVICES | CA WASTE SERVICES (CWS) | CONSOLIDATED/ REPUBLIC SERVICES |
|---|---|--|
| P.O. Box 2137 Paramount, CA 90723 (562) 259-1239 Fax (562) 529-7688 www.calmetservices.com Roll-off & Small Dumpsters/Bins | 621 W. 152nd Street Gardena, CA 90247 (310) 538-5998, or 800-839-5550 Fax (310) 538-9040 www.californiawasteservices.com Roll-off & Small Dumpsters/Bins | 12949 Telegraph Rd Santa Fe Springs, CA 90670 (800) 299-4898 Fax (562) 906-0251 www.republicservices.com Roll-off & Small Dumpsters/Bins |
| EDCO CORPORATION | UNIVERSAL WASTE SYSTEMS (UWS) | WASTE MANAGEMENT- L.A. (WM) |
| 950 E. 27th Street Signal Hill, CA 90755 (310) 540-2977 Fax (562) 423-1971 www.edcodisposal.com Roll-off & Small Dumpsters/Bins | P.O. Box 3038 Whittier, CA 90605 (800) 631-7016 Fax (562) 941-4915 www.uwscompany.com Roll-off Only | 1970 E. 213th Street Long Beach, CA 90810 (800) 774-0222 Fax (310) 522-6570 www.wm.com Roll-off & Small Dumpsters/Bins |
| WEST COAST ROLLOFF |  | |
| 3100 Puente Street Fullerton, CA 92835 (310) 532-6732 Fax (714) 255-0154 www.westcoastwaste.com Roll-off only | | |



RECYCLING SERVICES:

Note: Many businesses are subject to AB 341, Mandatory Commercial Recycling, &/or AB 1826, Mandatory Commercial Organics Recycling.