



The California Green Building Standards Code ("CALGreen" Sections 4.408, 5.408, and 5.713.8) requires that certain types of projects recycle or otherwise divert construction and demolition waste from landfills. This packet will explain the necessary steps to comply with these requirements, which are generally outlined below. Please contact the Building Division at the above phone number or address with any questions.

Applicable projects subject to waste diversion requirements:

- 1) All newly constructed building and demolition projects which require a permit.
- 2) Non-residential: All permitted additions and alterations.
 - * *Please also note, universal waste (such as batteries, e-waste, lamps, cathode ray tubes/glass and aerosol cans) from non-residential additions of 1,000 ft² or greater and/or building alterations with a permit valuation of \$200,000 or above require verification that materials are disposed of properly and diverted from landfills (CALGreen Section 301.3). In order to comply with this requirements, on one of the first three pages of the construction drawings submitted to the City for building permit, please identify the list of universal waste materials that need to be diverted from landfill and location of where said materials will be disposed.*
- 3) Residential: All permitted additions and alterations that increase the structure's conditioned area, volume or size.
- 4) All demolition only projects.

If your project falls into one of the above listed categories you must recycle, reuse and/or salvage for reuse a minimum of 65% of the nonhazardous construction and demolition waste. The following requirements apply, which must be submitted to the Building Division:

- 1) Completed Waste Reduction and Recycling Plan (WRRP) form (Pages 2-4 of this packet).
- 2) Refundable fee deposit (\$250 - reroof of non-residential structures; \$750 - qualifying addition and/or alteration to existing residential or non-residential buildings; \$1,000 - all newly constructed building and demolition projects which require a permit). Fee deposit refundable upon project completion and submittal of a Final Report and Compliance Form (Page 7-8 of this packet), including proof-of-waste diversion documentation and Application for Deposit Refund (Page 9 of this packet).

CITY OF LAGUNA NIGUEL
CONSTRUCTION AND DEMOLITION
WASTE REDUCTION AND RECYCLING PLAN
Department of Community Development
Building Division
(949) 362-4360



WASTE REDUCTION AND RECYCLING PLAN (WRRP)

Waste Reduction and Recycling Plan (WRRP) for estimated construction and demolition debris produced. Once completed, please submit to the Building Division.

Project Address: _____ Permit #(s): _____

| | | | |
|------------------------|--------------|---------------|-------------|
| Property Owner: | | | |
| Address: | City: | State: | Zip: |
| Email: | | Phone: | |

| | | | |
|------------------------------|--------------|---------------|-------------|
| Contractor/Applicant: | | | |
| Address: | City: | State: | Zip: |
| Email: | | Phone: | |

Type of Building:
 Non-Residential Residential

Type of Project (select all that apply):
 New Construction Addition Demolition
 Alteration (non-residential only)

Expected Waste Material Type (select all that apply):
 Asphalt & Concrete (No Soil) Carpet Carpet Padding/Foam
 Brick/Masonry/Tile Drywall Unpainted Wood & Pallets
 Garbage/Trash Ceiling Tile (acoustic) Scrap Metal
 Cardboard Landscape Debris Soil/Rock
 Building Materials (doors, windows, fixtures, roofing etc.) Other: _____

| Project Description | | |
|---------------------------------------|-----------------------------|--------------------------------------|
| | | |
| | | |
| | | |
| | | |
| Total Project Valuation: \$ | | Total Project Square Footage: |
| Estimated Total Waste Tonnage: | Estimate Start Date: | Estimated Completion Date: |

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WASTE REDUCTION AND RECYCLING PLAN (WRRP)

Compliance Options (check applicable box)

Option 1

Use the City's Franchised Waste Hauler, CR&R

- a. Complete the WRRP.
- b. Submit refundable fee deposit: \$250 - reroof of non-residential structures; \$750 - qualifying addition and/or alteration to existing residential or non-residential buildings; \$1,000 - all newly constructed building and demolition projects which require a permit.
- c. Contact CR&R to set up construction and demolition collection services at: (877) 728-0446
- d. Upon project completion (Building Permit Final), submit weight tickets and diversion report ("screen shot" log) from CR&R.
- e. Submit Application for Deposit Refund (Page 9). Upon review and approval that all project requirements have been met, the fee deposit will be refunded.

* CR&R has the ability to process mixed C&D material in a manner that removes recyclable materials prior to delivery to the landfill. This eliminates the need for onsite sorting of waste by material type and delivery to multiple processing facilities. To ensure compliance, please request that CR&R process C&D debris when making arrangements for jobsite collection service. Recyclable C&D debris hauled directly to the landfill by CR&R will result in non-compliance with the state building code.

Option 2

Self-Haul to a City approved recycling facility

- a. Complete the WRRP.
- b. Complete the Materials Volume-to-Weight Conversion Worksheet (Page 5)
- c. Submit refundable fee deposit: \$250 - reroof of non-residential structures; \$750 - qualifying addition and/or alteration to existing residential or non-residential buildings; \$1,000 - all newly constructed building and demolition projects which require a permit.
- d. Self-Haul to one of the State approved facilities (see list on Page 6). Be sure to save your documentation and receipts.
- e. Upon project completion (Building Permit Final), submit the Final Report and Compliance Form (Pages 7-8), including weight tickets or other records of measurement from recycling companies that show actual tonnage of diverted materials (i.e., verification of C&D compliance).
- f. Submit Application for Deposit Refund (Page 9). Upon review and approval that all project requirements have been met, the fee deposit will be refunded.

Option 3

Project meets the Waste Stream Reduction Alternative, new construction only – check which applies

- Non-residential new construction with a combined disposal weight of up to 2 lbs/ft².
- Residential low-rise (3 stories or less) new construction with a combined disposal weight of up to 3.4 lbs/ft².
- Residential high-rise (4 stories or more) new construction with a combined disposal weight of up to 2 lbs/ft².

- a. Complete the WRRP.
- b. Submit refundable fee deposit: \$1,000 - all newly constructed building and demolition projects which require a permit.
- c. Track your tonnage to be sure you will not exceed the mandated lbs/ft².
- d. Upon project completion (Building Permit Final), submit the Final Report and Compliance Form (Pages 7-8), including weight tickets or other records of measurement from recycling companies that show actual tonnage of diverted materials (i.e., verification of C&D compliance).
- e. Submit Application for Deposit Refund (Page 9). Upon review and approval that all project requirements have been met, the fee deposit will be refunded.

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WASTE REDUCTION AND RECYCLING PLAN (WRRP)

Applicant Verification

Option 1

I understand that these materials must comply with the 65% diversion requirement. Disposal receipts must include tonnage, cubic yards, or truck size and number of loads. Additionally, I have been advised that construction and demolition 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 as applicable.

Print Name: _____ Owner/Agent/Other: _____

Signature: _____ Date Signed: _____

Option 2

I certify that to the best of my knowledge these estimates are true, and that the estimates reported on this form are my best estimate of the disposition of the construction and demolition material to be generated at the project site. I understand that these materials must comply with the 65% diversion requirement. Disposal receipts must include tonnage, 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 as applicable.

Print Name: _____ Owner/Agent/Other: _____

Signature: _____ Date Signed: _____

Option 3

I certify that to the best of my knowledge these estimates are true, and that the estimates reported on this form are my best estimate of the disposition of the construction and demolition material to be generated at the project site. I understand that these materials must comply with the 65% diversion requirement. Disposal receipts must include tonnage, 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 as applicable.

Print Name: _____ Owner/Agent/Other: _____

Signature: _____ Date Signed: _____

WRRP Status

****FOR CITY USE ONLY****

| | | |
|--|-----------------------------|----|
| <input type="checkbox"/> Approved | Fee Deposit Amount Received | \$ |
| <input type="checkbox"/> Denied | | |
| <input type="checkbox"/> Further explanation needed (see comments below) | | |

Comments:

WRRP Reviewed by:

Print Name _____

Signature _____

Date _____

Receipt # _____

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MATERIALS VOLUME-TO-WEIGHT CONVERSION WORKSHEET

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.

| <u>Material/Category</u> | <u>Column I Volume</u> | <u>Column II Unit</u> | <u>Column II Tons/unit</u> | <u>Column III Tons</u> |
|--|----------------------------|---------------------------|--------------------------------|----------------------------|
| Asphalt/Concrete | | | | |
| Asphalt (broken) | _____ | cy | x 0.7 | = _____ |
| Concrete (broken) | _____ | cy | x 0.9 | = _____ |
| Concrete (solid slab) | _____ | cy | x 1.2975 | = _____ |
| | | | Total | _____ |
| Brick/Masonry/Tile | | | | |
| Brick (broken) | _____ | cy | x 0.7 | = _____ |
| Brick (whole, palletized) | _____ | cy | x 1.512 | = _____ |
| Masonry block (broken) | _____ | cy | x 0.6 | = _____ |
| Tile | _____ | sq ft | x 0.00175 | = _____ |
| | | | Total | _____ |
| Building Materials (doors, windows, cabinets, etc.) | | | | |
| | _____ | cy | 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 | = _____ |
| | | | Total | _____ |
| 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 | = _____ |
| | | | Total | _____ |
| Landscape Debris (brush, trees, etc) | | | | |
| | _____ | cy | x 0.15 | = _____ |
| Scrape Metal | | | | |
| | _____ | cy | x 0.453 | = _____ |
| Unpainted Wood & Pallets | | | | |
| By board foot | _____ | bd ft | x 0.001375 | = _____ |
| By cubic yard | _____ | cy | x 0.15 | = _____ |
| Garbage/Trash | | | | |
| | _____ | cy | x 0.175 | = _____ |

cy = cubic yards

sq ft = square foot

bd ft = board foot



City of Laguna Niguel
Construction and Demolition Waste Reduction and Recycling
RECYCLING FACILITIES LOCATED NEAR THE CITY OF LAGUNA NIGUEL

| Facility/Company | Address | City | Phone | Materials | | | | | | | | | | Comments | | | |
|------------------------------------|-----------------------------|---------------------|--------------|---------------------|---------|----------|--------------|-----------------------|-------|-------|-----------|--------|---------|----------|------------|---------|--|
| | | | | Mixed C&D Materials | Asphalt | Concrete | Gravel, Rock | Other Inert Materials | Metal | Rebar | Cardboard | Carpet | Drywall | Plastic | Greenwaste | Topsoil | Wood / Lumber / Pallets |
| Adams Steel | 3200 E. Frontera Street | Anaheim | 714-630-6523 | | x | x | | | x | x | | x | | | | | |
| Aguinaga Company | 16355 Construction Circle | Irvine | 949-786-9558 | | | | | | | | | | x | | | | Pick-up services may be available. |
| All American Asphalt | 1776 All American Way | Corona | 951-736-3853 | x | x | | | | | | | | | x | | | No palm fronds, grass, tree trunks, etc. |
| Allan Company | 2540 E. Main St | Santa Ana | 714-641-8891 | | | x | | x | x | x | x | x | x | x | x | | Must be clean |
| Amazon Environmental | 779 Palmyrita Avenue | Riverside | 951-588-0205 | | | | | | | | | | x | x | x | x | Glass, e-waste |
| Blue Ribbon Landscape/Nursery | 1425 N. Santiago Blvd. | Orange | 714-633-3666 | | | | | | | | | | x | x | x | x | Paint |
| California Waste Services | 621 W. 152nd Street | Gardena | 800-839-5550 | x | x | x | x | x | x | x | x | x | x | x | x | x | Raw untreated lumber only |
| Consolidated Volume Transfer (CVT) | 1131 N Blue Gum Ave | Anaheim | 714-238-3301 | x | x | x | x | x | x | x | x | x | x | x | x | x | Tires, AC units, refrigerators |
| Construction and Demolition | 9309 Rayo Ave | South Gate | 323-357-6900 | x | x | x | x | x | x | x | x | x | x | x | x | x | Granite, marble, tiling, furniture, |
| CR&R Transfer | 11232 Knot Ave | Stanton | 714-895-7970 | x | x | x | x | x | x | x | x | x | x | x | x | x | Flooring, glass |
| Dan Cope Crushing | 1120 N. Richfield | Anaheim | 714-221-1484 | x | x | | | x | x | x | x | x | x | x | x | x | |
| Downtown Diversion | 2424 E. Olympic Blvd. | Los Angeles | 213-612-5005 | x | x | x | x | x | x | x | x | x | x | x | x | x | |
| EWES Materials - Irvine | 16881 Construction Circle | Irvine | 714-894-1988 | x | x | x | x | x | x | x | x | x | x | x | x | x | |
| EWES Materials - Stanton | 8200 Katella Ave | Stanton | 714-894-1988 | x | x | x | x | x | x | x | x | x | x | x | x | x | |
| Global Metal Recycling | 1011 E. Pine St | Santa Ana | 714-547-9079 | | | x | x | x | x | x | x | x | x | x | x | x | CRV containers, Auto batteries. |
| Hanson Aggregates | 2850 California Ave | Long Beach | 626-856-6763 | x | x | | | | | | | | | | | | |
| Rainbow Disposal | 17121 Nichols Street | Huntington Beach | 714-847-3581 | x | x | x | x | x | x | x | x | x | x | x | x | x | Flooring, glass, tires, ewaste |
| RJ Noble | 15505 E. Lincoln Ave | Orange | 714-637-1550 | x | x | x | x | x | x | x | x | x | x | x | x | x | |
| SA Recycling | 1016 Santiago | Santa Ana | 714-835-9335 | | | x | x | x | x | x | x | x | x | x | x | x | |
| SCOR Industries | 2321 S Willow Ave | Bloomington | 909-820-5046 | x | x | x | x | x | x | x | x | x | x | x | x | x | |
| Sun West Materials | 1150 N. Anaheim Blvd | Anaheim | 714-635-0470 | | | | x | | | | | | | | | | Ferrous and non-ferrous metals. |
| Tierra Verde Industries | 31748 La Pata | San Juan Capistrano | 949-728-0401 | | | | | | | | | | | | | | Wood with paint/nails ok. Palm fronds |
| Tierra Verde Industries | 6900 Marine Way | Irvine | 949-551-0363 | x | x | x | x | x | x | x | x | x | x | x | x | x | Flooring, glass |
| Waste Management of Orange | 2050 N. Glassell | Orange | 714-282-0200 | x | x | x | x | x | x | x | x | x | x | x | x | x | Tires, AC units, refrigerators |
| Waste Mgmt/Sunset Environmental | 1612 Construction Circle W. | Irvine | 949-654-1562 | x | x | x | x | x | x | x | x | x | x | x | x | x | |

NOTES:

* Mixed C&D materials means the facility accepts loads of mixed debris and can separate the materials at the facility.

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

* The City of Laguna Niguel is not liable for any errors or 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 associated with the City of Laguna Niguel or the County of Orange.

This list is not intended to be exhaustive but has been developed to assist customers find recycling facilities.

**CITY OF LAGUNA NIGUEL
CONSTRUCTION AND DEMOLITION
WASTE REDUCTION AND RECYCLING PLAN**
Department of Community Development
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FINAL REPORT AND COMPLIANCE FORM

1. PROJECT AND APPLICANT INFORMATION

Owner's Name: _____ Date: _____
Project Address: _____
Owner's Telephone No.: _____
Contractor: _____
Contractor's Contact Name: _____
Contractor's Telephone No.: _____
Approximate Square Footage of Project: _____
Demolition Dates: Start: _____ End: _____
Construction Dates: Start: _____ End: _____

2. DESCRIPTION OF DIVERSION PLAN

Briefly state how waste materials were handled at your job site to ensure salvage/re-use or recycling.

Please check all waste reduction activities that were practiced at this project site:

| | |
|--|--|
| <input type="checkbox"/> Use of prefabricated components | <input type="checkbox"/> Reduced packaging |
| <input type="checkbox"/> Re-use of materials on site | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Accurate material estimates | |

3. MATERIAL HANDLING SUMMARY

Please complete the Material Handling Summary Worksheet to identify the types of materials, quantities, and how the waste materials were reduced, recycled, or disposed of at your project site. For this summary report, use the actual quantities, based on weight tags, gate receipts, or other documentation. Material quantities should be calculated in tons, and use the Materials Conversion Worksheet for conversion factors. Fill in the diversion percentage calculated in Section F of the Material Handling Summary Worksheet on line 3A below.

3A. Diversion Percentage Actual from Section F: _____ %

3B. Is the percentage listed in 3A above greater than or equal to 65%? YES NO

3C. If NO, explain why: _____

4. VERIFICATION

Attach original weight slips or other records of measurement from recycling companies that show actual tonnage of diverted materials.

To the best of my knowledge, the reported tonnage and diversion percentage reported on this form are an accurate representation of the disposition of the construction and demolition materials generated and diverted from this project site. I understand the City may audit disposal and recycling documentation related to this survey.

Signature: _____ Date: _____

Print Name: _____



FINAL REPORT AND COMPLIANCE FORM

MATERIAL HANDLING SUMMARY WORKSHEET

| | |
|------------------------------|--|
| COLUMN A | List actual quantities of waste generated for each material type (in tons). To convert yards to tons, use the Materials Conversion Worksheet. |
| COLUMNS B, C, & D | List actual quantities of material re-used, recycled, or disposed based on Column A quantities. |
| COLUMN E | State the name of all vendors or facilities used to re-use, recycle, or dispose of materials listed. See example below for cases where more than one facility was used for a particular material type. |
| COLUMN TOTALS | Add up all material quantities for each column. |
| SECTION F | Calculate the actual diversion percentage in the section at the end of this worksheet and enter the percentage on line 3A of the Report Summary. |

| Materials | A Total Waste Generated | B Salvage or Re-Use | C Recycle | D Disposal (Landfill) | E Actual Destinations |
|---|-------------------------------|---------------------------|--------------|-----------------------------|---|
| Example: Cardboard | 2 tons | | 1.5 | 0.5 | XYZ Recycling Facility (recycle) Prima Deschecha Landfill (disposal) |
| Asphalt/Concrete | | | | | |
| Brick/Masonry/Tile | | | | | |
| Cardboard | | | | | |
| Wood | | | | | |
| Metals | | | | | |
| Landscape Debris (do not include dirt) | | | | | |
| Dirt | | | | | |
| Garbage/Trash | | | | | |
| Other | | | | | |
| Other | | | | | |
| Column Totals | A | B | C | D | |

F. ACTUAL DIVERSION:

| |
|-----------------|
| Column B |
| + |
| = |
| ÷ |
| Column A |
| = |
| X 100 |
| = % |

ENTER THIS PERCENTAGE AMOUNT TO LINE 3A ON REPORT SUMMARY

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APPLICATION FOR DEPOSIT REFUND

Submit complete form and documentation with original recycling facility receipts upon final inspection/Building Permit Final. Deposit refunds cannot be issued unless all required information and diversion documentation is provided. Original recycling facility receipts with dates and project addresses are required. *Fee deposit received will be refunded to payee.*

Project Address: _____ Permit #(s): _____ Date Submitted: _____

| | | | |
|-----------------------|-------|--------|------|
| Contractor/Applicant: | | | |
| Address: | City: | State: | Zip: |
| Email: | | Phone: | |

REQUIRED ATTACHMENTS:

Option 1 *Used the City's Franchised Waste Hauler, CR&R*

Weight tickets and diversion report from CR&R

Option 2 *Self-Hauled to a State approved recycling facility*

All receipts and/or weigh tickets for all recycled, salvaged and disposed material.
 Completed Final Report and Compliance Form *Requires Compliance Review and Approval*

Option 3 *Project met the Waste Stream Reduction Alternative*

All receipts and/or weigh tickets for all recycled, salvaged and disposed material.

Completed Final Report and Compliance Form *Requires Compliance Review and Approval*

| **FOR CITY USE ONLY** | | | |
|--|---|---------------------------------|------------------------------------|
| REPORT SUMMARY APPROVAL STATUS: | | SECURITY DEPOSIT: | |
| <input type="checkbox"/> Approved | <input type="checkbox"/> Full Refund | <input type="checkbox"/> Denied | <input type="checkbox"/> No Refund |
| <input type="checkbox"/> Further explanation needed (see comments below) | <input type="checkbox"/> Partial Refund | Amount: \$ _____ | |
| Comments: _____ | | | |
| Reviewed By: _____ | | | |
| Signature: | Date: | | |