

Construction and Demolition Materials Conversion Worksheet

Building materials are measured in many different units and recycling centers may issue receipts in cubic yards and not tons. Adding apples and oranges does not work, so a common unit must be used like TONS. Recycling Plans (WRRP) and Summary Reports (CDSR) must list materials in tons and this worksheet helps you convert everything to tons. If you have already tallied your materials in tons, skip to page 2.

Step 1, review your building plans and calculate scrap for any material generated on the job in typical units. If needed ask subs for take offs or waste factors. Enter into Column I.

Step 2, multiply by the conversion factor in Column II and put answer in Column III.

Step 3, transfer the TONS listed in Column III to the Recycling Plan or Summary Report, Column A, and follow the directions on those forms.

For additional assistance go to, www.oaklandrecycles.com, click on Recycling During Construction or call (510) 238-SAVE(7283) for help

<u>Material Category</u>		<u>Your #s</u>	<u>Unit</u>		Conversion		<u>To WRP or CDSR (Tons)</u>
Asphalt/Concrete	Asphalt (broken)	_____	cy	x	0.7	=	_____
	Concrete (broken)	_____	cy	x	0.9	=	_____
	Concrete (solid slab)	_____	cy	x	1.3	=	_____
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	=	_____
Building Materials	(circle-doors, fixtures, windows/plate glass, cabinets, other.)	_____	cy	x	0.15	=	_____
Cardboard		_____	cy	x	0.05	=	_____
Carpet	flat	_____	sq ft	x	0.0005	=	_____
	loose	_____	cy	x	0.3	=	_____
Carpet Padding/Foam	flat	_____					
	loose	_____	sq ft	x	0.00013	=	_____
Ceiling Tiles	whole (palletized)	_____	sq ft	x	0.0003	=	_____
	loose	_____	cy	x	0.0875	=	_____
Drywall, new or used	1/2"	_____	sq ft	x	0.0008	=	_____
	5/8"	_____	sq ft	x	0.00105	=	_____
	mixed	_____	cy	x	0.25	=	_____
Landscape Debris	(brush, chips, trees, stumps, etc.)	_____	cy	x	0.15	=	_____
Scrap Metal		_____	cy	x	0.453	=	_____
Wood & Pallets, clean, unpainted, (no pressure treated lumber!)	stick	_____	bd ft	x	0.00138	=	_____
	loose	_____	cy	x	0.15	=	_____
Non-Recyclable Debris		_____	cy	x	0.175	=	_____
Recyclable Mixed Debris, see p. 2		_____	cy	x	0.175	=	_____

cy = cubic yards

sqft = square foot

bdft = board foot

C&D Recycling Options

Source Separation

The best recycling option is to separate materials on the job and deliver them for recycling. This keeps costs down and recycling rates their highest.

Mixed Debris Recycling

Listed below are approved facilities that sort C&D materials for recycling (fee based). Some materials may not be recyclable at all facilities, so check the *Builder's Guide to Reuse and Recycling* or call the facility for details. Each facility has a different recycling rate and their rate is applied to your loads (see list below).

C&D recycling for LEED projects

LEED projects can earn 1 point for meeting 50% recycling and an additional point for reaching 75% recycling. The recycling rate for a mixed recycling center must be verified by 3rd party audits and Alternative Daily Cover is not accepted as recycling. The recycling percentages below reflect the actual recycling rate *not counting ADC*. Work with your construction team to develop a plan that earns the best score possible and have appropriate documentation for submittal.

Approved C&D Facilities	Location	Phone	Recycled	Disposed
Davis Street Transfer Station	2615 Davis St., San Leandro	(510) 638-2303	61%	39%
Marin Resource Recovery Center	565 Jacoby Street, San Rafael	(415) 485-5647	75%	25%
SF Recycling	501 Tunnel Ave., San Francisco	(415) 330-1400	77%	23%
Zanker Resource Recovery Center	705 Los Esteros Road, San Jose	(408) 263-2384	85%	15%
Guadalupe Landfill	15999 Guadalupe Mines Road San Jose	(408) 268-1670	55%	45%
CHIP-IT RECYCLING	Oakley	925-625-3800	65%	45%
GREENWASTE RECOVERY	San Jose	408-283-4800	70%	30%
NEWBY ISLAND LANDFILL	1601 Dixon Landing Rd. Milpitas	408-262-1401	55%	45%

Be prepared to provide weight tags or other verifiable documents for Summary Reports.

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