

Contractor's Report to the Board

Significant Tables and Figures

Targeted Statewide Waste Characterization Study:

Detailed Characterization of Construction and Demolition Waste

June 2006



***Produced under contract by:
Cascadia Consulting Group***

The tables and figures in this document are excerpted from the Targeted Statewide Waste Characterization Study: Detailed Characterization of Construction and Demolition Waste, California Integrated Waste Management Board Publication #341-06-007. The table and figure names and numbers match those in the full report. For other data and more information, see the [complete study](#) or the [Executive Summary](#), available at ciwmb.ca.gov/Publications/default.asp?pubid=1185. This study used material types based on the CIWMB's standard 67 types with several additional types added. A list of the material types and their definitions used in this study can be found in Appendix B of the study report.

Figure A. Overview of California's C&D Waste Stream by Subsector, 2005

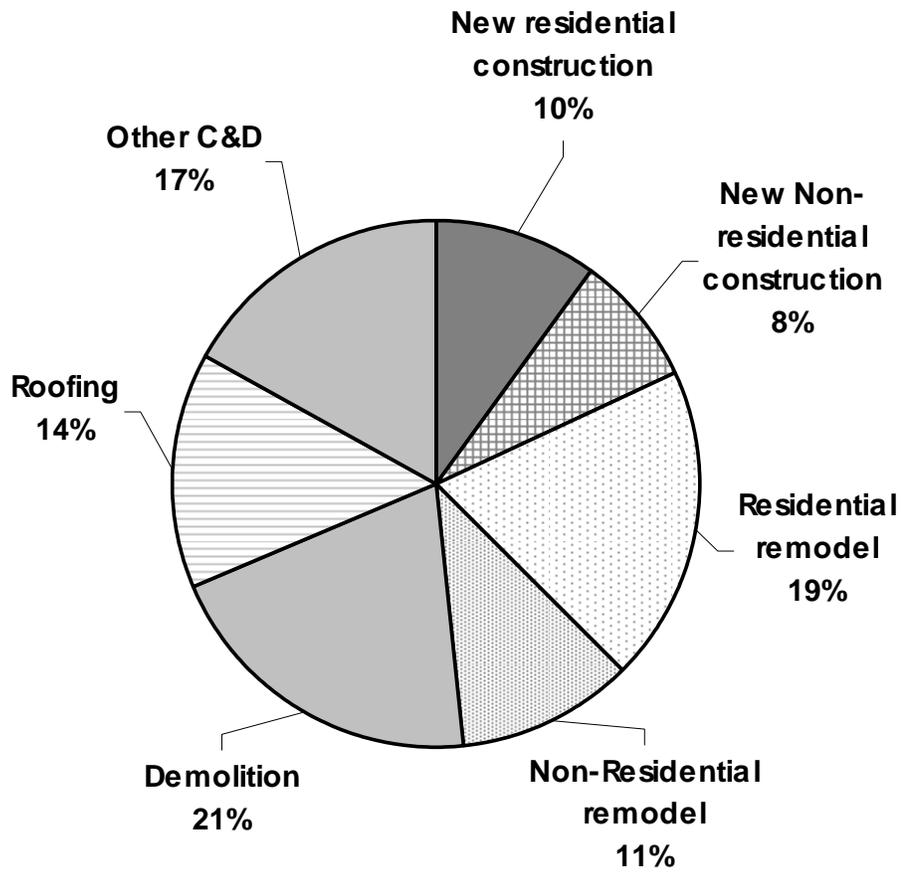


Figure C. Overview of Waste Divertibility: Overall C&D in Four Metropolitan Areas of California, 2005

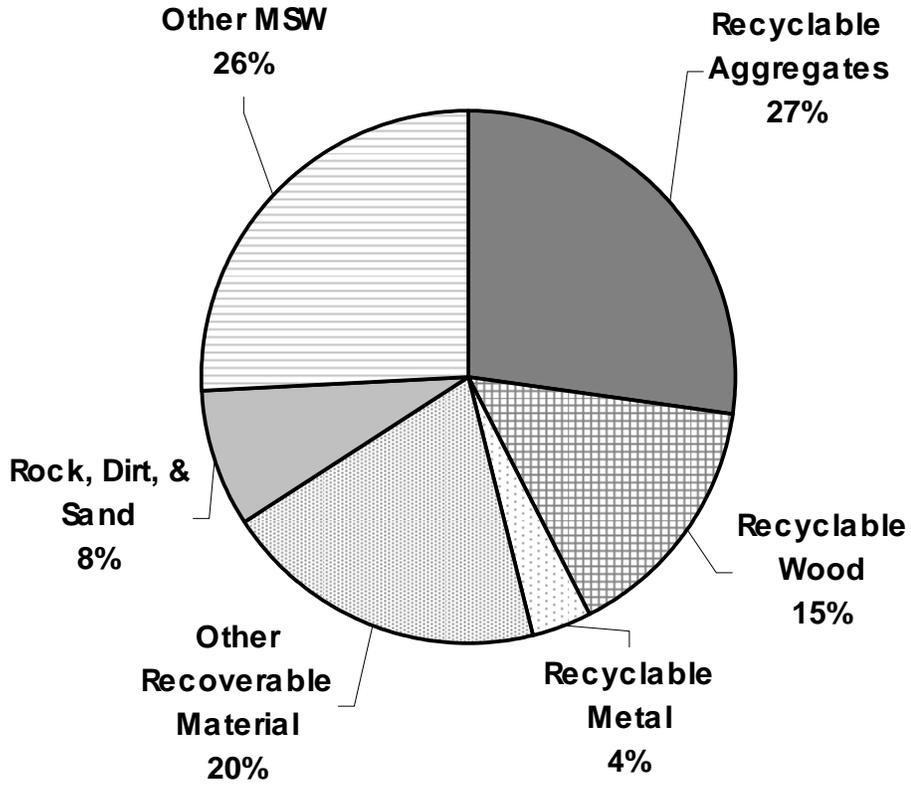


Table 7. Top Ten Disposed Materials: Overall C&D in Four Metropolitan Areas of California, 2005

Material	Divertible	Est. Percent	Cum. Percent	Est. Tons
Composition Roofing	yes	10.2%	10.2%	318,494
Remainder/Composite C&D	no	8.3%	18.5%	261,161
Large Asphalt Pavement without Re-bar	yes	8.1%	26.6%	253,286
Dirt & Sand	yes	6.6%	33.2%	206,729
Other Aggregates	yes	6.4%	39.6%	199,544
Clean Dimensional Lumber	yes	5.9%	45.5%	185,276
Large Concrete without Re-bar	yes	5.2%	50.7%	163,483
Painted/Stained Wood	no	4.6%	55.4%	145,333
Clean Gypsum Board	yes	4.5%	59.8%	140,348
Clean Engineered Wood	yes	4.5%	64.3%	139,975
Total		64.3%		2,013,629

The figures, when added together, may not exactly match the totals shown, due to rounding.

Table 8. Detailed Waste Composition: Overall C&D in Four Metropolitan Areas of California, 2005

Material	Est. Percent	+ / -	Est. Tons	Material	Est. Percent	+ / -	Est. Tons
Paper	3.2%		101,750	Organic	3.0%		92,557
Uncoated Corrugated Cardboard	0.8%	0.2%	24,368	Food	0.0%	0.0%	709
Paper Bags/Kraft	0.1%	0.2%	3,826	Leaves & Grass	0.5%	0.2%	17,065
Newspaper	0.2%	0.1%	5,664	Prunings & Trimmings	0.4%	0.2%	13,838
White Ledger	0.1%	0.1%	2,705	Branches & Stumps	0.1%	0.0%	2,513
Colored Ledger	0.1%	0.1%	2,795	Agricultural Crop Residues	0.0%	0.0%	0
Other Office Paper	0.0%	0.0%	336	Manures	0.0%	0.0%	0
Magazines/Catalogs	0.0%	0.0%	576	Textiles	0.2%	0.1%	4,716
Phone Books/Directories	0.0%	0.0%	29	Carpet	1.0%	0.4%	32,000
Other Misc. Paper	0.7%	0.2%	22,393	Carpet Padding	0.2%	0.1%	6,766
Remainder/Composite Paper	1.2%	0.5%	39,057	Remainder/Composite Organic	0.5%	0.4%	14,950
Glass	1.1%		34,054	Construction & Demolition	86.7%		2,714,783
Clear Glass Bottles & Containers	0.1%	0.0%	1,760	Lg Concrete with Re-bar	0.6%	0.3%	19,309
Green Glass Bottles & Containers	0.0%	0.0%	738	Lg Concrete without Re-bar	5.2%	1.8%	163,483
Brown Glass Bottles & Containers	0.0%	0.0%	852	Sm Concrete with Re-bar	0.7%	0.6%	23,132
Other Colored Glass Bottles & Containers	0.0%	0.0%	3	Sm Concrete without Re-bar	4.3%	1.2%	134,597
Flat Glass	0.6%	0.5%	19,615	Lg Asphalt Pav. with Re-bar	0.0%	0.0%	719
Remainder/Composite Glass	0.4%	0.2%	11,087	Lg Asphalt Pav. without Re-bar	8.1%	3.0%	253,286
Metal	4.0%		124,719	Sm Asphalt Pav. with Re-bar	0.7%	0.9%	22,022
Tin/Steel Cans	0.0%	0.0%	645	Sm Asphalt Pav. without Re-bar	1.2%	1.3%	36,115
Major Appliances	0.7%	0.8%	20,486	Composition Roofing	10.2%	2.0%	318,494
Used Oil Filters	0.0%	0.0%	0	Other Asphalt Roofing	4.4%	1.8%	136,756
HVAC Ducting	0.1%	0.1%	3,568	Other Aggregates	6.4%	2.4%	199,544
Other Ferrous	2.4%	0.6%	75,108	Clean Dimensional Lumber	5.9%	1.0%	185,276
Aluminum Cans	0.0%	0.0%	161	Clean Engineered Wood	4.5%	0.8%	139,975
Other Non-Ferrous	0.4%	0.1%	11,593	Pallets & Crates	1.8%	0.6%	55,436
Remainder/Composite Metal	0.4%	0.2%	13,158	Other Recyclable Wood	3.1%	1.2%	95,533
Electronics	0.2%		5,666	Painted/Stained Wood	4.6%	1.2%	145,333
Brown Goods	0.0%	0.0%	389	Treated Wood	0.3%	0.2%	8,254
Computer-related Electronics	0.0%	0.0%	828	Clean Gypsum Board	4.5%	1.3%	140,348
Other Small Consumer Electronics	0.0%	0.0%	1,388	Painted/Demolition Gypsum Board	3.6%	1.2%	111,960
TV's & Other CRTs	0.1%	0.1%	3,062	Large Rock	0.9%	0.6%	28,063
Plastic	0.8%		24,611	Small Rock/Gravel	0.7%	0.4%	23,234
PETE Containers	0.0%	0.0%	363	Dirt & Sand	6.6%	3.0%	206,729
HDPE Containers	0.0%	0.0%	1,135	Fiberglass Insulation	0.2%	0.1%	6,025
Misc. Plastic Containers	0.0%	0.0%	172	Remainder/Composite C&D	8.3%	1.9%	261,161
Trash Bags	0.0%	0.0%	1,064	Household Hazardous Waste	0.4%		11,459
Grocery/ Merch. Bags	0.0%	0.0%	73	Paint	0.1%	0.1%	1,912
Non-Bag Comm./Ind. Packaging Film	0.1%	0.0%	2,255	Vehicle & Equip. Fluids	0.0%	0.0%	0
Film Products	0.1%	0.0%	2,654	Used Oil	0.0%	0.0%	0
Other Film	0.0%	0.0%	428	Batteries	0.3%	0.5%	9,532
Durable Plastic Items	0.2%	0.1%	7,270	Remainder/Composite HHW	0.0%	0.0%	15
Expnd. Polystyr. Packaging/Insulation	0.1%	0.0%	2,024	Special Waste	0.6%		19,446
Remainder/Composite Plastic	0.2%	0.1%	7,174	Ash	0.0%	0.0%	0
Totals	100.0%		3,130,925	Sewage Solids	0.0%	0.0%	0
Sample Count	622			Industrial Sludge	0.0%	0.0%	0
				Treated Medical Waste	0.0%	0.0%	0
				Bulky Items	0.6%	0.3%	17,974
				Tires	0.0%	0.0%	1,214
				Remainder/Composite Special	0.0%	0.0%	258
				Mixed Residue	0.1%		1,880
				Mixed Residue	0.1%	0.1%	1,880

Confidence intervals calculated at the 90% confidence level. Percentages for material types may not total 100% due to rounding.

Figure D. Overview of Waste Divertibility: New Residential Construction, 2005

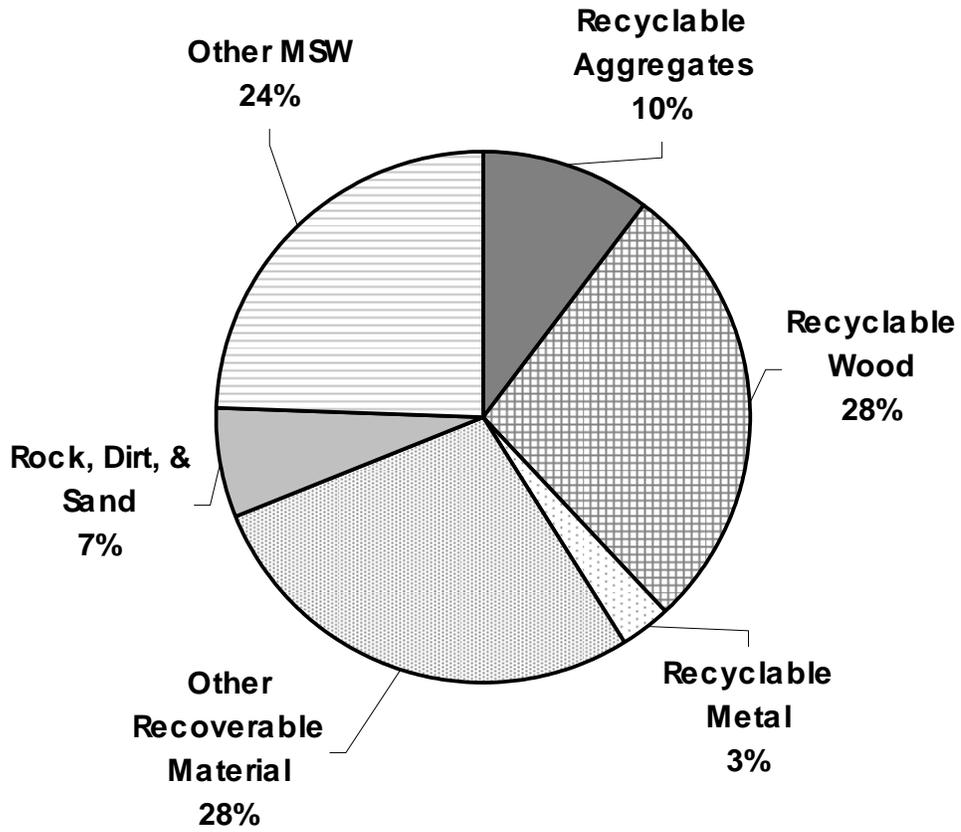


Table 10. Detailed Waste Composition: New Residential Construction, 2005

Material	Est. Percent	+ / -	Est. Tons	Material	Est. Percent	+ / -	Est. Tons
Paper	8.6%		26,664	Organic	4.0%		12,429
Uncoated Corrugated Cardboard	2.1%	0.7%	6,661	Food	0.0%	0.0%	105
Paper Bags/Kraft	0.1%	0.1%	377	Leaves & Grass	1.0%	0.7%	3,239
Newspaper	0.1%	0.1%	311	Prunings & Trimmings	0.6%	0.4%	1,967
White Ledger	0.0%	0.0%	115	Branches & Stumps	0.1%	0.1%	374
Colored Ledger	0.1%	0.1%	431	Agricultural Crop Residues	0.0%	0.0%	0
Other Office Paper	0.0%	0.0%	70	Manures	0.0%	0.0%	0
Magazines/Catalogs	0.0%	0.0%	139	Textiles	0.2%	0.1%	525
Phone Books/Directories	0.0%	0.0%	0	Carpet	0.4%	0.3%	1,270
Other Misc. Paper	1.5%	0.8%	4,704	Carpet Padding	0.1%	0.0%	174
Remainder/Composite Paper	4.4%	2.8%	13,855	Remainder/Composite Organic	1.5%	1.2%	4,775
Glass	0.3%		849	Construction & Demolition	82.2%		256,220
Clear Glass Bottles & Containers	0.1%	0.1%	293	Lg Concrete with Re-bar	0.2%	0.3%	612
Green Glass Bottles & Containers	0.0%	0.0%	9	Lg Concrete without Re-bar	1.7%	1.1%	5,347
Brown Glass Bottles & Containers	0.0%	0.0%	97	Sm Concrete with Re-bar	0.2%	0.2%	604
Other Colored Glass Bottles & Containers	0.0%	0.0%	0	Sm Concrete without Re-bar	2.8%	2.4%	8,719
Flat Glass	0.1%	0.1%	254	Lg Asphalt Pav. with Re-bar	0.0%	0.0%	0
Remainder/Composite Glass	0.1%	0.1%	196	Lg Asphalt Pav. without Re-bar	0.0%	0.0%	0
Metal	3.1%		9,740	Sm Asphalt Pav. with Re-bar	0.0%	0.0%	0
Tin/Steel Cans	0.1%	0.1%	231	Sm Asphalt Pav. without Re-bar	0.0%	0.0%	0
Major Appliances	0.0%	0.1%	136	Composition Roofing	4.0%	1.7%	12,451
Used Oil Filters	0.0%	0.0%	0	Other Asphalt Roofing	3.0%	4.0%	9,435
HVAC Ducting	0.1%	0.1%	167	Other Aggregates	5.3%	3.5%	16,674
Other Ferrous	2.2%	0.7%	6,993	Clean Dimensional Lumber	11.3%	3.4%	35,139
Aluminum Cans	0.0%	0.0%	30	Clean Engineered Wood	13.0%	3.2%	40,684
Other Non-Ferrous	0.6%	0.6%	1,814	Pallets & Crates	2.4%	1.0%	7,429
Remainder/Composite Metal	0.1%	0.1%	368	Other Recyclable Wood	1.2%	1.8%	3,860
Electronics	0.0%		42	Painted/Stained Wood	2.6%	1.6%	8,021
Brown Goods	0.0%	0.0%	42	Treated Wood	0.2%	0.2%	688
Computer-related Electronics	0.0%	0.0%	0	Clean Gypsum Board	16.5%	7.6%	51,555
Other Small Consumer Electronics	0.0%	0.0%	0	Painted/Demolition Gypsum Board	1.7%	1.7%	5,343
TV's & Other CRTs	0.0%	0.0%	0	Large Rock	0.1%	0.1%	265
Plastic	1.7%		5,443	Small Rock/Gravel	0.3%	0.3%	1,074
PETE Containers	0.0%	0.0%	76	Dirt & Sand	6.3%	4.4%	19,522
HDPE Containers	0.1%	0.0%	220	Fiberglass Insulation	0.1%	0.0%	317
Misc. Plastic Containers	0.0%	0.0%	42	Remainder/Composite C&D	9.1%	3.9%	28,481
Trash Bags	0.1%	0.0%	206	Household Hazardous Waste	0.1%		167
Grocery/ Merch. Bags	0.0%	0.0%	24	Paint	0.1%	0.1%	158
Non-Bag Comm./Ind. Packaging Film	0.2%	0.1%	773	Vehicle & Equip. Fluids	0.0%	0.0%	0
Film Products	0.2%	0.1%	551	Used Oil	0.0%	0.0%	0
Other Film	0.0%	0.0%	77	Batteries	0.0%	0.0%	0
Durable Plastic Items	0.6%	0.3%	1,977	Remainder/Composite HHW	0.0%	0.0%	9
Expnd. Polystyr. Packaging/Insulation	0.2%	0.2%	738	Special Waste	0.1%		263
Remainder/Composite Plastic	0.2%	0.1%	759	Ash	0.0%	0.0%	0
Totals	100.0%		311,818	Sewage Solids	0.0%	0.0%	0
Sample Count	97			Industrial Sludge	0.0%	0.0%	0
				Treated Medical Waste	0.0%	0.0%	0
				Bulky Items	0.1%	0.1%	236
				Tires	0.0%	0.0%	28
				Remainder/Composite Special	0.0%	0.0%	0
				Mixed Residue	0.0%		0
				Mixed Residue	0.0%	0.0%	0

Confidence intervals calculated at the 90% confidence level. Percentages for material types may not total 100% due to rounding.

Figure E. Overview of Waste Divertibility: New Non-Residential Construction, 2005

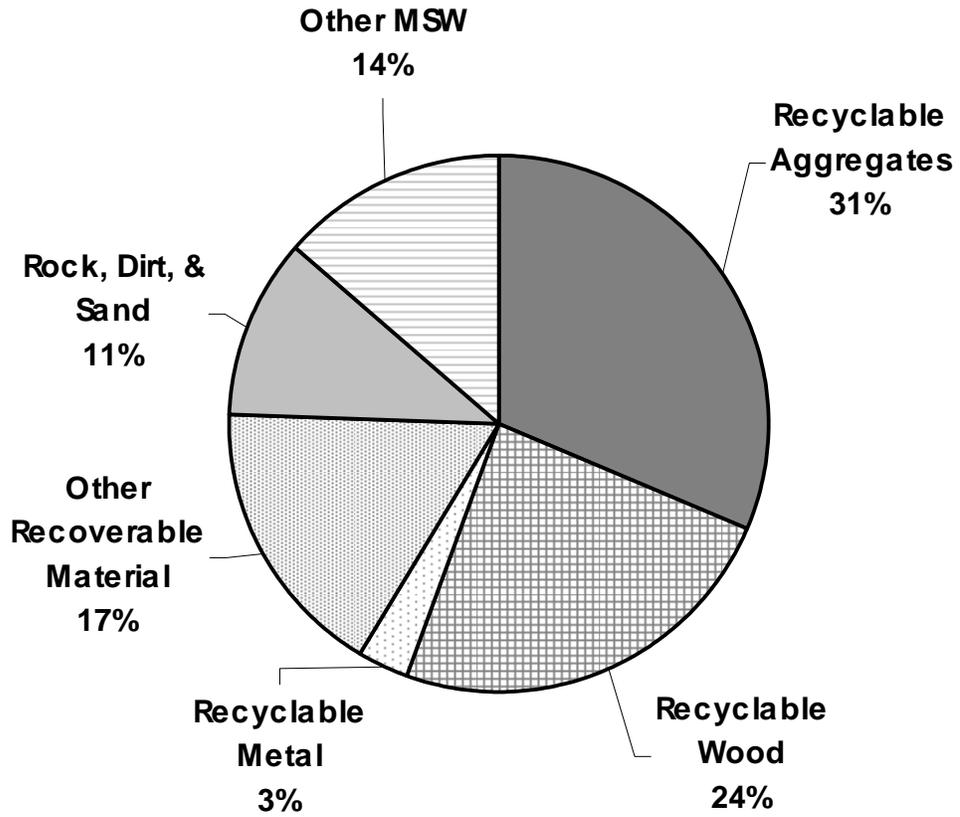


Table 12. Detailed Waste Composition: New Non-Residential Construction, 2005

Material	Est. Percent	+ / -	Est. Tons	Material	Est. Percent	+ / -	Est. Tons
Paper	5.3%		13,414	Organic	2.7%		6,810
Uncoated Corrugated Cardboard	1.7%	1.2%	4,333	Food	0.0%	0.0%	92
Paper Bags/Kraft	0.1%	0.1%	272	Leaves & Grass	0.9%	0.7%	2,247
Newspaper	0.1%	0.1%	177	Prunings & Trimmings	0.6%	0.5%	1,440
White Ledger	0.1%	0.1%	152	Branches & Stumps	0.2%	0.3%	390
Colored Ledger	0.0%	0.0%	87	Agricultural Crop Residues	0.0%	0.0%	0
Other Office Paper	0.0%	0.0%	79	Manures	0.0%	0.0%	0
Magazines/Catalogs	0.0%	0.0%	42	Textiles	0.2%	0.2%	431
Phone Books/Directories	0.0%	0.0%	0	Carpet	0.7%	0.6%	1,683
Other Misc. Paper	1.2%	0.8%	3,034	Carpet Padding	0.1%	0.1%	215
Remainder/Composite Paper	2.1%	0.9%	5,237	Remainder/Composite Organic	0.1%	0.1%	313
Glass	0.9%		2,247	Construction & Demolition	85.9%		218,383
Clear Glass Bottles & Containers	0.2%	0.3%	564	Lg Concrete with Re-bar	0.2%	0.3%	404
Green Glass Bottles & Containers	0.2%	0.3%	632	Lg Concrete without Re-bar	10.8%	5.4%	27,560
Brown Glass Bottles & Containers	0.2%	0.3%	466	Sm Concrete with Re-bar	0.0%	0.0%	0
Other Colored Glass Bottles & Containers	0.0%	0.0%	0	Sm Concrete without Re-bar	8.7%	4.9%	22,177
Flat Glass	0.1%	0.1%	232	Lg Asphalt Pav. with Re-bar	0.0%	0.0%	0
Remainder/Composite Glass	0.1%	0.2%	353	Lg Asphalt Pav. without Re-bar	0.2%	0.2%	458
Metal	3.6%		9,256	Sm Asphalt Pav. with Re-bar	0.0%	0.0%	0
Tin/Steel Cans	0.0%	0.0%	19	Sm Asphalt Pav. without Re-bar	0.0%	0.0%	0
Major Appliances	0.0%	0.0%	0	Composition Roofing	3.2%	4.6%	8,160
Used Oil Filters	0.0%	0.0%	0	Other Asphalt Roofing	0.0%	0.0%	0
HVAC Ducting	0.0%	0.1%	97	Other Aggregates	11.5%	11.8%	29,258
Other Ferrous	3.1%	1.6%	7,887	Clean Dimensional Lumber	10.9%	4.9%	27,804
Aluminum Cans	0.0%	0.0%	11	Clean Engineered Wood	7.4%	2.8%	18,681
Other Non-Ferrous	0.0%	0.0%	76	Pallets & Crates	5.4%	2.2%	13,791
Remainder/Composite Metal	0.5%	0.4%	1,166	Other Recyclable Wood	0.4%	0.5%	894
Electronics	0.3%		675	Painted/Stained Wood	2.1%	1.6%	5,387
Brown Goods	0.0%	0.0%	0	Treated Wood	0.3%	0.2%	637
Computer-related Electronics	0.0%	0.0%	49	Clean Gypsum Board	6.6%	3.8%	16,709
Other Small Consumer Electronics	0.2%	0.3%	541	Painted/Demolition Gypsum Board	0.3%	0.3%	776
TV's & Other CRTs	0.0%	0.1%	85	Large Rock	0.9%	1.1%	2,396
Plastic	0.8%		2,044	Small Rock/Gravel	0.6%	0.7%	1,519
PETE Containers	0.0%	0.0%	41	Dirt & Sand	9.2%	9.2%	23,273
HDPE Containers	0.1%	0.0%	134	Fiberglass Insulation	0.3%	0.4%	831
Misc. Plastic Containers	0.0%	0.0%	19	Remainder/Composite C&D	7.0%	2.9%	17,671
Trash Bags	0.0%	0.0%	108	Household Hazardous Waste	0.0%		48
Grocery/ Merch. Bags	0.0%	0.0%	33	Paint	0.0%	0.0%	0
Non-Bag Comm./Ind.Packaging Film	0.1%	0.1%	222	Vehicle & Equip. Fluids	0.0%	0.0%	0
Film Products	0.2%	0.1%	429	Used Oil	0.0%	0.0%	0
Other Film	0.0%	0.0%	48	Batteries	0.0%	0.0%	48
Durable Plastic Items	0.2%	0.1%	536	Remainder/Composite HHW	0.0%	0.0%	0
Expnd. Polystyr. Packaging/Insulation	0.0%	0.0%	83	Special Waste	0.5%		1,214
Remainder/Composite Plastic	0.2%	0.1%	393	Ash	0.0%	0.0%	0
Totals	100.0%		254,091	Sewage Solids	0.0%	0.0%	0
Sample Count	59			Industrial Sludge	0.0%	0.0%	0
				Treated Medical Waste	0.0%	0.0%	0
				Bulky Items	0.3%	0.3%	797
				Tires	0.2%	0.3%	417
				Remainder/Composite Special	0.0%	0.0%	0
				Mixed Residue	0.0%		0
				Mixed Residue	0.0%	0.0%	0

Confidence intervals calculated at the 90% confidence level. Percentages for material types may not total 100% due to rounding.

Figure F. Overview of Waste Divertibility: Residential Remodel, 2005

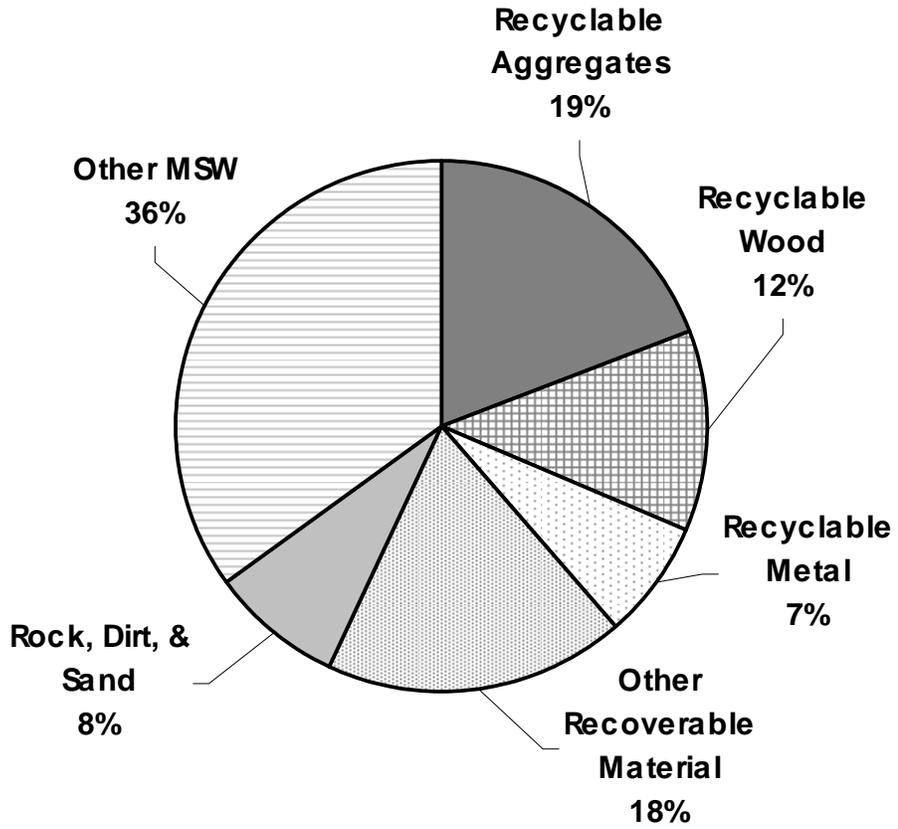


Table 14. Detailed Waste Composition: Residential Remodel, 2005

Material	Est. Percent	+ / -	Est. Tons	Material	Est. Percent	+ / -	Est. Tons
Paper	3.8%		23,018	Organic	4.2%		25,642
Uncoated Corrugated Cardboard	0.6%	0.2%	3,362	Food	0.1%	0.1%	383
Paper Bags/Kraft	0.0%	0.0%	94	Leaves & Grass	0.7%	0.5%	4,368
Newspaper	0.2%	0.1%	1,079	Prunings & Trimmings	0.5%	0.2%	3,307
White Ledger	0.0%	0.0%	104	Branches & Stumps	0.2%	0.2%	1,217
Colored Ledger	0.0%	0.0%	160	Agricultural Crop Residues	0.0%	0.0%	0
Other Office Paper	0.0%	0.0%	82	Manures	0.0%	0.0%	0
Magazines/Catalogs	0.1%	0.1%	379	Textiles	0.4%	0.2%	2,403
Phone Books/Directories	0.0%	0.0%	27	Carpet	1.7%	0.7%	10,523
Other Misc. Paper	1.1%	0.7%	6,699	Carpet Padding	0.4%	0.2%	2,687
Remainder/Composite Paper	1.8%	2.1%	11,031	Remainder/Composite Organic	0.1%	0.1%	754
Glass	2.7%		16,420	Construction & Demolition	77.1%		466,272
Clear Glass Bottles & Containers	0.1%	0.0%	308	Lg Concrete with Re-bar	1.3%	1.2%	8,065
Green Glass Bottles & Containers	0.0%	0.0%	82	Lg Concrete without Re-bar	4.2%	2.5%	25,116
Brown Glass Bottles & Containers	0.0%	0.0%	146	Sm Concrete with Re-bar	0.5%	0.7%	2,975
Other Colored Glass Bottles & Containers	0.0%	0.0%	3	Sm Concrete without Re-bar	4.3%	2.0%	25,762
Flat Glass	1.1%	1.4%	6,517	Lg Asphalt Pav. with Re-bar	0.0%	0.0%	0
Remainder/Composite Glass	1.5%	1.0%	9,364	Lg Asphalt Pav. without Re-bar	1.0%	1.1%	5,756
Metal	8.3%		50,459	Sm Asphalt Pav. with Re-bar	0.0%	0.0%	0
Tin/Steel Cans	0.0%	0.0%	185	Sm Asphalt Pav. without Re-bar	0.6%	0.8%	3,696
Major Appliances	3.2%	3.9%	19,362	Composition Roofing	4.9%	2.0%	29,756
Used Oil Filters	0.0%	0.0%	0	Other Asphalt Roofing	0.2%	0.1%	1,054
HVAC Ducting	0.1%	0.1%	794	Other Aggregates	7.5%	4.0%	45,080
Other Ferrous	3.5%	2.6%	20,945	Clean Dimensional Lumber	7.0%	1.8%	42,177
Aluminum Cans	0.0%	0.0%	15	Clean Engineered Wood	3.9%	1.2%	23,643
Other Non-Ferrous	0.5%	0.2%	3,048	Pallets & Crates	0.9%	0.5%	5,451
Remainder/Composite Metal	1.0%	0.7%	6,111	Other Recyclable Wood	0.3%	0.4%	1,881
Electronics	0.6%		3,600	Painted/Stained Wood	9.6%	3.0%	57,775
Brown Goods	0.1%	0.0%	318	Treated Wood	0.3%	0.2%	1,585
Computer-related Electronics	0.0%	0.0%	34	Clean Gypsum Board	6.6%	4.0%	39,607
Other Small Consumer Electronics	0.1%	0.2%	824	Painted/Demolition Gypsum Board	6.9%	2.7%	41,843
TV's & Other CRTs	0.4%	0.6%	2,424	Large Rock	2.5%	2.1%	15,201
Plastic	1.0%		6,086	Small Rock/Gravel	1.1%	0.9%	6,674
PETE Containers	0.0%	0.0%	49	Dirt & Sand	4.5%	5.2%	27,424
HDPE Containers	0.1%	0.0%	317	Fiberglass Insulation	0.3%	0.2%	1,956
Misc. Plastic Containers	0.0%	0.0%	65	Remainder/Composite C&D	8.9%	2.2%	53,795
Trash Bags	0.0%	0.0%	192	Household Hazardous Waste	0.2%		918
Grocery/ Merch. Bags	0.0%	0.0%	7	Paint	0.1%	0.1%	692
Non-Bag Comm./Ind.Packaging Film	0.0%	0.0%	222	Vehicle & Equip. Fluids	0.0%	0.0%	0
Film Products	0.1%	0.0%	459	Used Oil	0.0%	0.0%	0
Other Film	0.0%	0.0%	144	Batteries	0.0%	0.1%	221
Durable Plastic Items	0.4%	0.2%	2,252	Remainder/Composite HHW	0.0%	0.0%	6
Expnd. Polystyr. Packaging/Insulation	0.0%	0.0%	293	Special Waste	2.0%		12,185
Remainder/Composite Plastic	0.3%	0.3%	2,086	Ash	0.0%	0.0%	0
Totals	100.0%		604,627	Sewage Solids	0.0%	0.0%	0
Sample Count	167			Industrial Sludge	0.0%	0.0%	0
				Treated Medical Waste	0.0%	0.0%	0
				Bulky Items	1.9%	1.5%	11,210
				Tires	0.1%	0.2%	761
				Remainder/Composite Special	0.0%	0.1%	213
				Mixed Residue	0.0%		28
				Mixed Residue	0.0%	0.0%	28

Confidence intervals calculated at the 90% confidence level. Percentages for material types may not total 100% due to rounding.

Figure G. Overview of Waste Divertibility: Non-residential Remodel, 2005

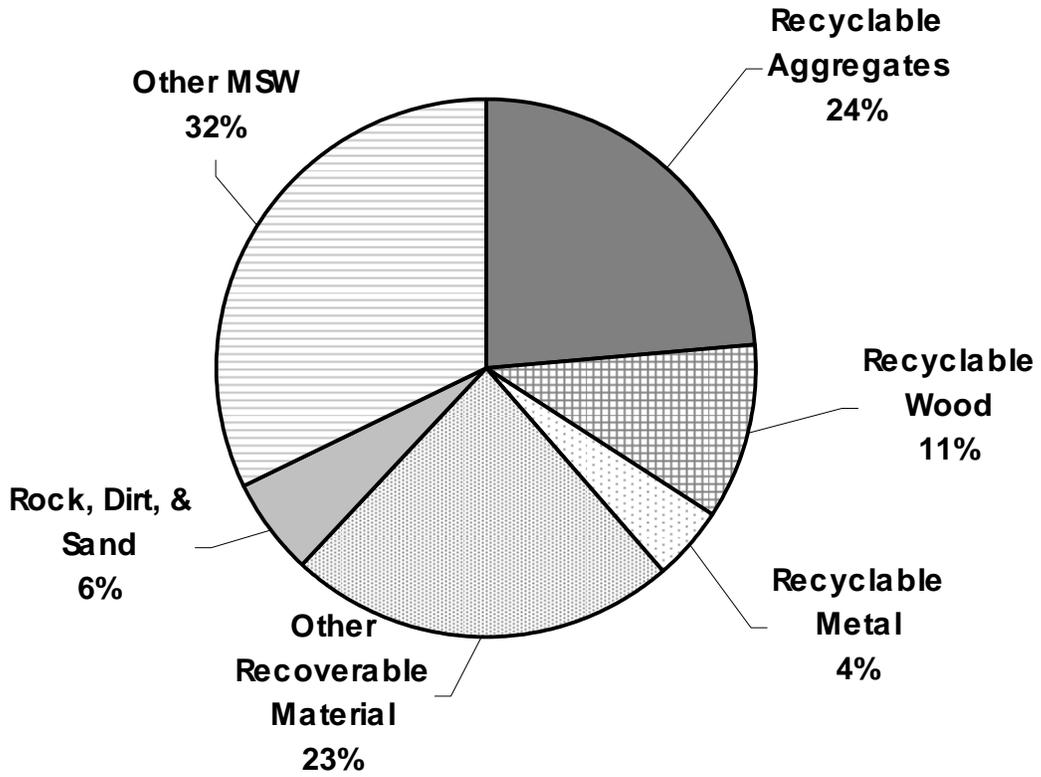


Table 16. Detailed Waste Composition: Non-Residential Remodel, 2005

Material	Est. Percent	+ / -	Est. Tons	Material	Est. Percent	+ / -	Est. Tons
Paper	4.2%		14,399	Organic	3.2%		10,976
Uncoated Corrugated Cardboard	1.1%	0.7%	3,777	Food	0.0%	0.0%	9
Paper Bags/Kraft	0.0%	0.0%	90	Leaves & Grass	0.7%	1.1%	2,348
Newspaper	0.7%	0.9%	2,257	Prunings & Trimmings	0.1%	0.1%	415
White Ledger	0.0%	0.0%	28	Branches & Stumps	0.1%	0.1%	300
Colored Ledger	0.0%	0.0%	38	Agricultural Crop Residues	0.0%	0.0%	0
Other Office Paper	0.0%	0.0%	7	Manures	0.0%	0.0%	0
Magazines/Catalogs	0.0%	0.0%	1	Textiles	0.3%	0.3%	872
Phone Books/Directories	0.0%	0.0%	0	Carpet	1.7%	0.9%	5,636
Other Misc. Paper	0.8%	0.6%	2,718	Carpet Padding	0.3%	0.3%	866
Remainder/Composite Paper	1.6%	1.7%	5,482	Remainder/Composite Organic	0.2%	0.2%	530
Glass	0.2%		712	Construction & Demolition	82.2%		280,517
Clear Glass Bottles & Containers	0.1%	0.1%	292	Lg Concrete with Re-bar	0.3%	0.3%	1,103
Green Glass Bottles & Containers	0.0%	0.0%	15	Lg Concrete without Re-bar	0.7%	0.6%	2,282
Brown Glass Bottles & Containers	0.0%	0.0%	24	Sm Concrete with Re-bar	0.9%	1.1%	3,067
Other Colored Glass Bottles & Containers	0.0%	0.0%	0	Sm Concrete without Re-bar	1.2%	0.9%	4,107
Flat Glass	0.0%	0.0%	0	Lg Asphalt Pav. with Re-bar	0.0%	0.0%	0
Remainder/Composite Glass	0.1%	0.1%	381	Lg Asphalt Pav. without Re-bar	1.3%	2.0%	4,494
Metal	4.9%		16,708	Sm Asphalt Pav. with Re-bar	0.0%	0.0%	0
Tin/Steel Cans	0.0%	0.0%	7	Sm Asphalt Pav. without Re-bar	0.2%	0.2%	635
Major Appliances	0.2%	0.3%	735	Composition Roofing	6.1%	5.1%	20,730
Used Oil Filters	0.0%	0.0%	0	Other Asphalt Roofing	4.7%	7.2%	16,202
HVAC Ducting	0.1%	0.1%	236	Other Aggregates	19.0%	16.1%	64,863
Other Ferrous	3.1%	1.0%	10,635	Clean Dimensional Lumber	5.3%	1.9%	18,174
Aluminum Cans	0.0%	0.0%	17	Clean Engineered Wood	3.6%	1.5%	12,424
Other Non-Ferrous	1.0%	0.8%	3,554	Pallets & Crates	1.4%	0.7%	4,907
Remainder/Composite Metal	0.4%	0.3%	1,524	Other Recyclable Wood	0.2%	0.3%	783
Electronics	0.0%		133	Painted/Stained Wood	2.5%	0.9%	8,538
Brown Goods	0.0%	0.0%	0	Treated Wood	0.0%	0.0%	75
Computer-related Electronics	0.0%	0.0%	133	Clean Gypsum Board	8.1%	6.2%	27,524
Other Small Consumer Electronics	0.0%	0.0%	0	Painted/Demolition Gypsum Board	4.7%	3.5%	15,906
TV's & Other CRTs	0.0%	0.0%	0	Large Rock	0.0%	0.0%	0
Plastic	1.3%		4,476	Small Rock/Gravel	0.1%	0.1%	292
PETE Containers	0.0%	0.0%	87	Dirt & Sand	5.9%	4.3%	20,053
HDPE Containers	0.1%	0.0%	171	Fiberglass Insulation	0.2%	0.1%	538
Misc. Plastic Containers	0.0%	0.0%	4	Remainder/Composite C&D	15.8%	5.4%	53,821
Trash Bags	0.0%	0.0%	161	Household Hazardous Waste	3.0%		10,318
Grocery/ Merch. Bags	0.0%	0.0%	7	Paint	0.3%	0.5%	1,055
Non-Bag Comm./Ind. Packaging Film	0.2%	0.2%	698	Vehicle & Equip. Fluids	0.0%	0.0%	0
Film Products	0.2%	0.2%	545	Used Oil	0.0%	0.0%	0
Other Film	0.0%	0.0%	33	Batteries	2.7%	4.3%	9,263
Durable Plastic Items	0.1%	0.1%	379	Remainder/Composite HHW	0.0%	0.0%	0
Expnd. Polystyr. Packaging/Insulation	0.2%	0.2%	663	Special Waste	0.8%		2,869
Remainder/Composite Plastic	0.5%	0.5%	1,728	Ash	0.0%	0.0%	0
Totals	100.0%		341,108	Sewage Solids	0.0%	0.0%	0
Sample Count	86			Industrial Sludge	0.0%	0.0%	0
				Treated Medical Waste	0.0%	0.0%	0
				Bulky Items	0.8%	0.9%	2,869
				Tires	0.0%	0.0%	0
				Remainder/Composite Special	0.0%	0.0%	0
				Mixed Residue	0.0%		0
				Mixed Residue	0.0%	0.0%	0

Confidence intervals calculated at the 90% confidence level. Percentages for material types may not total 100% due to rounding.

Figure H. Overview of Waste Divertibility: Demolition, 2005

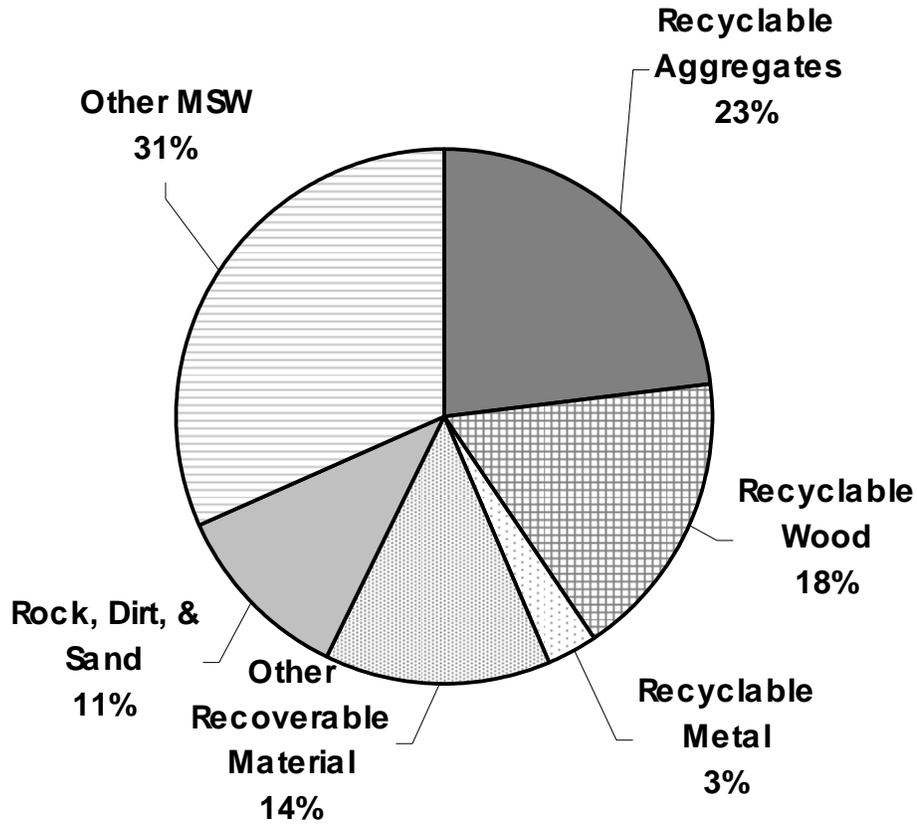


Table 18. Detailed Waste Composition: Demolition, 2005

Material	Est. Percent	+ / -	Est. Tons	Material	Est. Percent	+ / -	Est. Tons
Paper	3.0%		18,990	Organic	4.6%		28,903
Uncoated Corrugated Cardboard	0.8%	0.7%	5,126	Food	0.0%	0.0%	119
Paper Bags/Kraft	0.5%	0.8%	2,917	Leaves & Grass	0.1%	0.1%	586
Newspaper	0.3%	0.4%	1,753	Prunings & Trimmings	0.7%	0.8%	4,544
White Ledger	0.3%	0.5%	2,077	Branches & Stumps	0.0%	0.0%	149
Colored Ledger	0.3%	0.5%	2,056	Agricultural Crop Residues	0.0%	0.0%	0
Other Office Paper	0.0%	0.0%	65	Manures	0.0%	0.0%	0
Magazines/Catalogs	0.0%	0.0%	6	Textiles	0.0%	0.0%	260
Phone Books/Directories	0.0%	0.0%	2	Carpet	1.9%	2.0%	12,217
Other Misc. Paper	0.6%	0.5%	3,956	Carpet Padding	0.4%	0.5%	2,590
Remainder/Composite Paper	0.2%	0.1%	1,032	Remainder/Composite Organic	1.3%	2.1%	8,438
Glass	0.5%		2,866	Construction & Demolition	87.5%		553,612
Clear Glass Bottles & Containers	0.0%	0.1%	284	Lg Concrete with Re-bar	1.0%	0.9%	6,214
Green Glass Bottles & Containers	0.0%	0.0%	0	Lg Concrete without Re-bar	8.2%	5.0%	51,791
Brown Glass Bottles & Containers	0.0%	0.0%	120	Sm Concrete with Re-bar	2.2%	2.8%	13,755
Other Colored Glass Bottles & Containers	0.0%	0.0%	0	Sm Concrete without Re-bar	6.3%	3.3%	39,632
Flat Glass	0.3%	0.4%	1,670	Lg Asphalt Pav. with Re-bar	0.0%	0.0%	0
Remainder/Composite Glass	0.1%	0.1%	792	Lg Asphalt Pav. without Re-bar	1.4%	2.2%	8,714
Metal	3.2%		20,400	Sm Asphalt Pav. with Re-bar	0.0%	0.0%	0
Tin/Steel Cans	0.0%	0.0%	53	Sm Asphalt Pav. without Re-bar	0.4%	0.7%	2,614
Major Appliances	0.0%	0.0%	223	Composition Roofing	7.0%	5.1%	44,303
Used Oil Filters	0.0%	0.0%	0	Other Asphalt Roofing	0.4%	0.5%	2,428
HVAC Ducting	0.0%	0.0%	42	Other Aggregates	3.8%	3.7%	23,805
Other Ferrous	2.5%	1.0%	16,090	Clean Dimensional Lumber	6.3%	2.6%	39,624
Aluminum Cans	0.0%	0.0%	48	Clean Engineered Wood	2.8%	1.5%	17,980
Other Non-Ferrous	0.2%	0.2%	1,447	Pallets & Crates	1.6%	1.2%	10,178
Remainder/Composite Metal	0.4%	0.5%	2,498	Other Recyclable Wood	6.8%	5.5%	43,136
Electronics	0.2%		1,010	Painted/Stained Wood	8.9%	4.9%	56,046
Brown Goods	0.0%	0.0%	29	Treated Wood	0.8%	0.7%	5,066
Computer-related Electronics	0.1%	0.1%	611	Clean Gypsum Board	0.7%	0.5%	4,493
Other Small Consumer Electronics	0.0%	0.0%	0	Painted/Demolition Gypsum Board	5.5%	3.3%	34,660
TV's & Other CRTs	0.1%	0.1%	370	Large Rock	0.0%	0.0%	0
Plastic	0.4%		2,837	Small Rock/Gravel	0.6%	0.9%	3,849
PETE Containers	0.0%	0.0%	32	Dirt & Sand	10.6%	12.7%	67,340
HDPE Containers	0.0%	0.0%	179	Fiberglass Insulation	0.3%	0.4%	2,041
Misc. Plastic Containers	0.0%	0.0%	14	Remainder/Composite C&D	12.0%	7.9%	75,944
Trash Bags	0.0%	0.0%	268	Household Hazardous Waste	0.0%		0
Grocery/ Merch. Bags	0.0%	0.0%	1	Paint	0.0%	0.0%	0
Non-Bag Comm./Ind.Packaging Film	0.0%	0.0%	69	Vehicle & Equip. Fluids	0.0%	0.0%	0
Film Products	0.0%	0.0%	286	Used Oil	0.0%	0.0%	0
Other Film	0.0%	0.0%	59	Batteries	0.0%	0.0%	0
Durable Plastic Items	0.1%	0.1%	655	Remainder/Composite HHW	0.0%	0.0%	0
Expnd. Polystyr. Packaging/Insulation	0.0%	0.0%	47	Special Waste	0.4%		2,252
Remainder/Composite Plastic	0.2%	0.2%	1,226	Ash	0.0%	0.0%	0
Totals	100.0%		632,722	Sewage Solids	0.0%	0.0%	0
Sample Count	80			Industrial Sludge	0.0%	0.0%	0
				Treated Medical Waste	0.0%	0.0%	0
				Bulky Items	0.3%	0.4%	2,207
				Tires	0.0%	0.0%	0
				Remainder/Composite Special	0.0%	0.0%	45
				Mixed Residue	0.3%		1,852
				Mixed Residue	0.3%	0.3%	1,852

Confidence intervals calculated at the 90% confidence level. Percentages for material types may not total 100% due to rounding.

Figure I. Overview of Waste Divertibility: Roofing, 2005

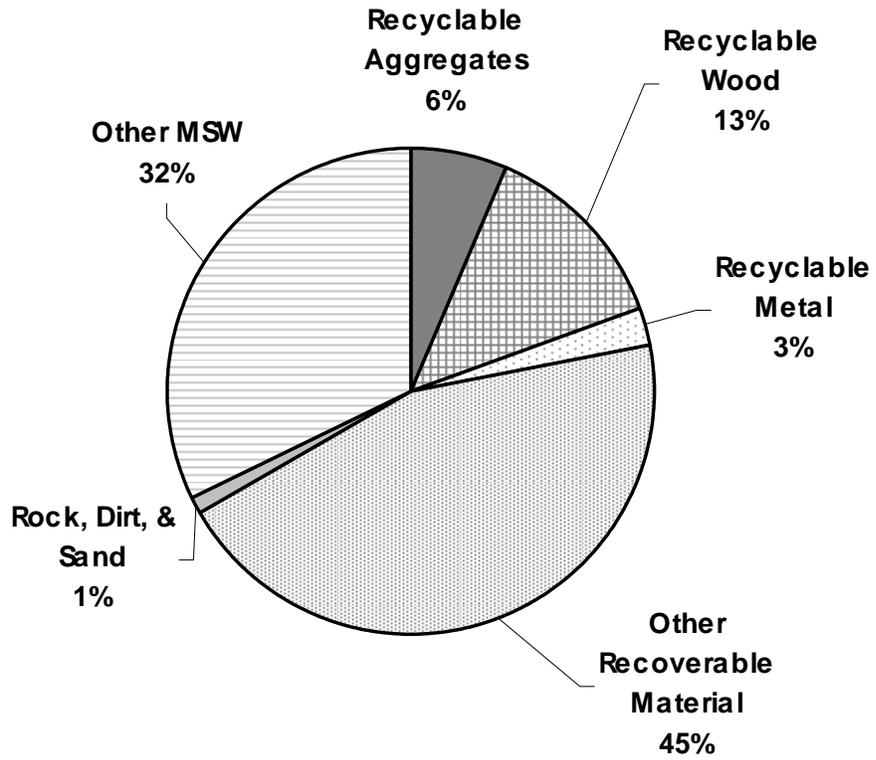


Table 20. Detailed Waste Composition: Roofing, 2005

Material	Est. Percent	+ / -	Est. Tons	Material	Est. Percent	+ / -	Est. Tons
Paper	0.5%		2,417	Organic	0.9%		4,284
Uncoated Corrugated Cardboard	0.0%	0.0%	209	Food	0.0%	0.0%	0
Paper Bags/Kraft	0.0%	0.0%	10	Leaves & Grass	0.4%	0.7%	1,997
Newspaper	0.0%	0.0%	31	Prunings & Trimmings	0.4%	0.6%	1,881
White Ledger	0.0%	0.0%	2	Branches & Stumps	0.0%	0.0%	63
Colored Ledger	0.0%	0.0%	2	Agricultural Crop Residues	0.0%	0.0%	0
Other Office Paper	0.0%	0.0%	1	Manures	0.0%	0.0%	0
Magazines/Catalogs	0.0%	0.0%	9	Textiles	0.0%	0.0%	128
Phone Books/Directories	0.0%	0.0%	0	Carpet	0.0%	0.1%	153
Other Misc. Paper	0.2%	0.1%	723	Carpet Padding	0.0%	0.0%	29
Remainder/Composite Paper	0.3%	0.4%	1,429	Remainder/Composite Organic	0.0%	0.0%	34
Glass	2.4%		10,959	Construction & Demolition	93.1%		421,282
Clear Glass Bottles & Containers	0.0%	0.0%	17	Lg Concrete with Re-bar	0.0%	0.0%	0
Green Glass Bottles & Containers	0.0%	0.0%	0	Lg Concrete without Re-bar	0.2%	0.2%	977
Brown Glass Bottles & Containers	0.0%	0.0%	0	Sm Concrete with Re-bar	0.0%	0.0%	0
Other Colored Glass Bottles & Containers	0.0%	0.0%	0	Sm Concrete without Re-bar	3.4%	4.3%	15,170
Flat Glass	2.4%	3.1%	10,942	Lg Asphalt Pav. with Re-bar	0.0%	0.0%	0
Remainder/Composite Glass	0.0%	0.0%	0	Lg Asphalt Pav. without Re-bar	0.0%	0.0%	0
Metal	2.6%		11,642	Sm Asphalt Pav. with Re-bar	0.0%	0.0%	0
Tin/Steel Cans	0.0%	0.0%	138	Sm Asphalt Pav. without Re-bar	0.0%	0.0%	0
Major Appliances	0.0%	0.0%	30	Composition Roofing	43.5%	10.3%	196,664
Used Oil Filters	0.0%	0.0%	0	Other Asphalt Roofing	23.8%	10.8%	107,464
HVAC Ducting	0.5%	0.5%	2,234	Other Aggregates	2.7%	3.4%	12,412
Other Ferrous	1.9%	1.3%	8,811	Clean Dimensional Lumber	1.0%	0.5%	4,319
Aluminum Cans	0.0%	0.0%	25	Clean Engineered Wood	2.6%	1.6%	11,842
Other Non-Ferrous	0.1%	0.0%	322	Pallets & Crates	0.2%	0.2%	924
Remainder/Composite Metal	0.0%	0.0%	82	Other Recyclable Wood	9.3%	3.3%	41,900
Electronics	0.0%		206	Painted/Stained Wood	0.5%	0.4%	2,260
Brown Goods	0.0%	0.0%	0	Treated Wood	0.0%	0.0%	26
Computer-related Electronics	0.0%	0.0%	0	Clean Gypsum Board	0.0%	0.0%	37
Other Small Consumer Electronics	0.0%	0.0%	22	Painted/Demolition Gypsum Board	0.0%	0.0%	27
TV's & Other CRTs	0.0%	0.1%	184	Large Rock	0.0%	0.0%	0
Plastic	0.3%		1,288	Small Rock/Gravel	1.0%	1.4%	4,600
PETE Containers	0.0%	0.0%	20	Dirt & Sand	0.0%	0.0%	18
HDPE Containers	0.0%	0.0%	48	Fiberglass Insulation	0.0%	0.0%	24
Misc. Plastic Containers	0.0%	0.0%	2	Remainder/Composite C&D	5.0%	3.3%	22,619
Trash Bags	0.0%	0.0%	27	Household Hazardous Waste	0.0%		7
Grocery/ Merch. Bags	0.0%	0.0%	1	Paint	0.0%	0.0%	7
Non-Bag Comm./Ind.Packaging Film	0.0%	0.0%	187	Vehicle & Equip. Fluids	0.0%	0.0%	0
Film Products	0.0%	0.0%	152	Used Oil	0.0%	0.0%	0
Other Film	0.0%	0.0%	58	Batteries	0.0%	0.0%	0
Durable Plastic Items	0.0%	0.0%	19	Remainder/Composite HHW	0.0%	0.0%	0
Exprd. Polystyr. Packaging/Insulation	0.0%	0.0%	123	Special Waste	0.1%		383
Remainder/Composite Plastic	0.1%	0.1%	649	Ash	0.0%	0.0%	0
Totals	100.0%		452,468	Sewage Solids	0.0%	0.0%	0
Sample Count	95			Industrial Sludge	0.0%	0.0%	0
				Treated Medical Waste	0.0%	0.0%	0
				Bulky Items	0.1%	0.1%	383
				Tires	0.0%	0.0%	0
				Remainder/Composite Special	0.0%	0.0%	0
				Mixed Residue	0.0%		0
				Mixed Residue	0.0%	0.0%	0

Confidence intervals calculated at the 90% confidence level. Percentages for material types may not total 100% due to rounding.

Figure J. Overview of Waste Divertibility: Other C&D, 2005

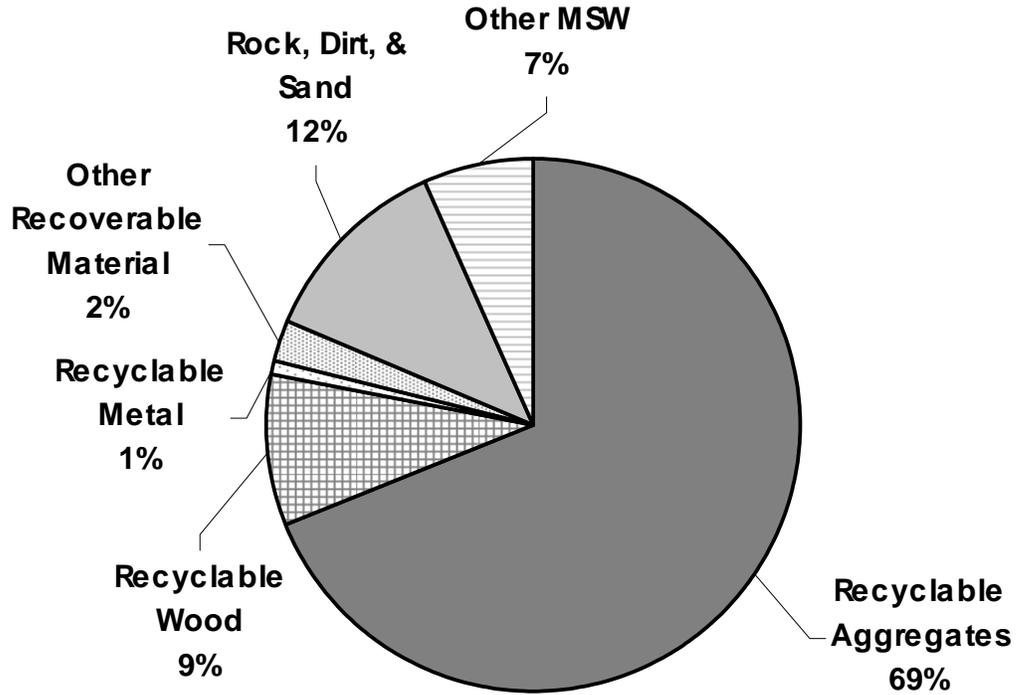


Table 22. Detailed Waste Composition: Other C&D, 2005

Material	Est. Percent	+ / -	Est. Tons	Material	Est. Percent	+ / -	Est. Tons
Paper	0.5%		2,848	Organic	0.7%		3,513
Uncoated Corrugated Cardboard	0.2%	0.2%	900	Food	0.0%	0.0%	0
Paper Bags/Kraft	0.0%	0.0%	66	Leaves & Grass	0.4%	0.5%	2,282
Newspaper	0.0%	0.0%	55	Prunings & Trimmings	0.1%	0.0%	284
White Ledger	0.0%	0.1%	226	Branches & Stumps	0.0%	0.0%	21
Colored Ledger	0.0%	0.0%	21	Agricultural Crop Residues	0.0%	0.0%	0
Other Office Paper	0.0%	0.0%	32	Manures	0.0%	0.0%	0
Magazines/Catalogs	0.0%	0.0%	0	Textiles	0.0%	0.0%	97
Phone Books/Directories	0.0%	0.0%	0	Carpet	0.1%	0.2%	519
Other Misc. Paper	0.1%	0.1%	558	Carpet Padding	0.0%	0.1%	206
Remainder/Composite Paper	0.2%	0.1%	990	Remainder/Composite Organic	0.0%	0.0%	105
Glass	0.0%		1	Construction & Demolition	97.1%		518,497
Clear Glass Bottles & Containers	0.0%	0.0%	1	Lg Concrete with Re-bar	0.5%	0.7%	2,910
Green Glass Bottles & Containers	0.0%	0.0%	0	Lg Concrete without Re-bar	9.4%	7.5%	50,410
Brown Glass Bottles & Containers	0.0%	0.0%	0	Sm Concrete with Re-bar	0.5%	0.6%	2,732
Other Colored Glass Bottles & Containers	0.0%	0.0%	0	Sm Concrete without Re-bar	3.6%	3.2%	19,031
Flat Glass	0.0%	0.0%	0	Lg Asphalt Pav. with Re-bar	0.1%	0.2%	719
Remainder/Composite Glass	0.0%	0.0%	0	Lg Asphalt Pav. without Re-bar	43.8%	17.3%	233,864
Metal	1.2%		6,515	Sm Asphalt Pav. with Re-bar	4.1%	5.6%	22,022
Tin/Steel Cans	0.0%	0.0%	12	Sm Asphalt Pav. without Re-bar	5.5%	7.3%	29,170
Major Appliances	0.0%	0.0%	0	Composition Roofing	1.2%	1.5%	6,432
Used Oil Filters	0.0%	0.0%	0	Other Asphalt Roofing	0.0%	0.1%	172
HVAC Ducting	0.0%	0.0%	0	Other Aggregates	1.4%	1.8%	7,452
Other Ferrous	0.7%	0.9%	3,748	Clean Dimensional Lumber	3.4%	2.7%	18,039
Aluminum Cans	0.0%	0.0%	15	Clean Engineered Wood	2.8%	2.8%	14,721
Other Non-Ferrous	0.2%	0.4%	1,331	Pallets & Crates	2.4%	2.6%	12,756
Remainder/Composite Metal	0.3%	0.3%	1,408	Other Recyclable Wood	0.6%	0.9%	3,081
Electronics	0.0%		0	Painted/Stained Wood	1.4%	1.5%	7,306
Brown Goods	0.0%	0.0%	0	Treated Wood	0.0%	0.1%	177
Computer-related Electronics	0.0%	0.0%	0	Clean Gypsum Board	0.1%	0.1%	424
Other Small Consumer Electronics	0.0%	0.0%	0	Painted/Demolition Gypsum Board	2.5%	4.7%	13,405
TV's & Other CRTs	0.0%	0.0%	0	Large Rock	1.9%	2.2%	10,201
Plastic	0.5%		2,437	Small Rock/Gravel	1.0%	0.8%	5,228
PETE Containers	0.0%	0.0%	57	Dirt & Sand	9.2%	4.8%	49,099
HDPE Containers	0.0%	0.0%	66	Fiberglass Insulation	0.1%	0.1%	318
Misc. Plastic Containers	0.0%	0.0%	25	Remainder/Composite C&D	1.7%	1.8%	8,829
Trash Bags	0.0%	0.0%	102	Household Hazardous Waste	0.0%		0
Grocery/ Merch. Bags	0.0%	0.0%	0	Paint	0.0%	0.0%	0
Non-Bag Comm./Ind.Packaging Film	0.0%	0.0%	84	Vehicle & Equip. Fluids	0.0%	0.0%	0
Film Products	0.0%	0.1%	231	Used Oil	0.0%	0.0%	0
Other Film	0.0%	0.0%	8	Batteries	0.0%	0.0%	0
Durable Plastic Items	0.3%	0.3%	1,452	Remainder/Composite HHW	0.0%	0.0%	0
Expnd. Polystyr. Packaging/Insulation	0.0%	0.0%	77	Special Waste	0.1%		279
Remainder/Composite Plastic	0.1%	0.1%	334	Ash	0.0%	0.0%	0
Totals	100.0%		534,091	Sewage Solids	0.0%	0.0%	0
Sample Count	38			Industrial Sludge	0.0%	0.0%	0
				Treated Medical Waste	0.0%	0.0%	0
				Bulky Items	0.1%	0.1%	271
				Tires	0.0%	0.0%	8
				Remainder/Composite Special	0.0%	0.0%	0
				Mixed Residue	0.0%		0
				Mixed Residue	0.0%	0.0%	0

Confidence intervals calculated at the 90% confidence level. Percentages for material types may not total 100% due to rounding.