



Oregon Department of Environmental Quality

Material Categories for the 2023 Waste Composition Study

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Translation or other formats

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800-452-4011 | TTY: 711 | deqinfo@deq.oregon.gov

Field sorting categories – disposal site garbage samples

The individual material categories as sorted and weighed in the field are **bold**, preceded by numbers below, and followed by descriptions. "Counted" indicates that counts of the items in this category were recorded (mainly for beverage containers). "Acceptable in curbside" uses the [Metro Curbside List 2010 - 2021](#) with slight modifications.

Paper

1. **Gable top beverage cartons.** Poly-coated bleached paperboard boxes that contain ready-to-drink beverages such as milk or orange juice. May include plastic pour spouts as part of the carton. Counted.
 - Excludes cream, half and half boxes (see Polycoat Paper).
2. **Aseptic drink boxes.** Paper/foil/plastic laminate boxes used to package juice and other ready-to-drink beverages. Counted.
 - Excludes aseptic containers used to package non-beverages (see Polycoat Paper).
3. **Wine bag-in-boxes.** Corrugated outer box with a plastic film bag inside used as a container for wine. Counted.
4. **Corrugated cardboard and kraft paper (Old Corrugated Containers).** Unwaxed kraft linerboard and containerboard cartons and shipping boxes with corrugated paper medium. This category includes boxes shrink-wrapped in plastic and unbleached kraft (brown) paper bags, and pizza boxes.
 - Excludes waxed and plastic-coated cardboard (plastic coating bonded to the cardboard), solid boxboard, and multi-walled bags that are not pure unbleached kraft. Cardboard kitty scratching boxes go in low-grade recyclable paper products (in #15).
5. **Waxed corrugated cardboard.** OCC that is saturated with wax, commonly used for grocery produce boxes.
6. **High-grade office/printing/writing paper (uncoated high grades).** Printing, writing and computer papers, including mainly thermo-chemical pulps. Both virgin pulp substitutes and high-grade de-ink fibers are included. This category is composed of high-grade paper, which includes white ledger, colored ledger, computer printouts, computer tab cards, bond, copy machine, and carbonless paper. Includes white and pastel envelopes without windows, and high-grade reports wrapped in shrink-wrap packaging.
 - Excludes glossy coated paper such as magazines, pure groundwood publications such as catalogs, astro-brights and other unbleachables, and glue-bound publications.
 - Excludes shredded paper (in #10).
 - Excludes scattered sheets such as in residential junk mail (in #9).
7. **Newspaper (Old Newspapers).** Printed ground-wood newsprint (minimally bleached fiber); commonly referred to as #1 news. This category includes glossy paper typically used in newspaper insert advertisements, if believed to be distributed with newspapers.
8. **Magazines.** Includes other glossy publications such as some catalogs.
 - Excludes newspaper glossy inserts (in #7).

- 9. Low-grade printing and writing paper.** This includes junk mail, glossy and uncoated advertising sheets, envelopes (except those included under high-grade and brown unbleached kraft envelopes), construction paper, used envelopes with sticky labels and/or plastic windows, greeting cards, sticky notes, phone books, uncoated groundwood catalogs and advertisements. Includes paper bound with fasteners including spiral-bound notebooks.
- Excludes shredded paper (in #10).
- 10. Shredded paper.** Any type of printing and writing paper which has been shredded into strips or small pieces.
- (11. used only in inbound recycling study: shredded paper in a plastic bag)
- (12. used only in inbound recycling study: shredded paper in a paper bag)
- (13. used only in inbound recycling study: loose shredded paper)
- 11. Low-grade packaging paper and recyclable food serviceware paper.** Includes any recyclable packaging paper, paper bags other than brown unbleached bags, and also file folders and packaging tissue. Drug packaging, although excluded from being a covered material under Senate Bill 582, is included here for the disposal site study, but is separated into new categories for the inbound recycling study as discussed in that section.
- Excludes paper cups and paper plates (in #16).
- 12. Low-grade recyclable paper products.** Any other recyclable paper product that is not printing and writing paper, packaging paper, or food serviceware, such as kitty scratching boxes. Also includes the following paper items that are excluded from being covered materials under SB 582: paperback books and also recyclable cores and wraps for rolls of packaging sold by a mill to a packaging converter or food processor.
- 13. Polycoated paper, freezer boxes, cups and take-out containers.** Includes poly-coated cardboard, poly-coated bleached and unbleached paperboard used for ice cream, frozen TV dinners, and many other frozen food boxes. Includes multi-walled bags that are poly-coated or have a plastic layer (watch out for very thin polycoat layers). Includes non-drink box aseptic and gable-top packaging such as soup cartons and cream cartons. Change from 2016: Includes all paper cups and plates take-out containers (and any other marginally recyclable food serviceware including paper straws)) regardless of if they have a plastic layer. Woody bamboo plates go under wood packaging and food serviceware.
- 14. Hard-covered books.** Books with hard covers. Excludes paperbacks.
- 15. Compostable nonrecyclable paper products.** Facial tissue, paper towel, napkins. Does not include any covered products under SB 582. Does not include molded paper plant pots.
- Excludes recyclable paper. Excludes all covered products under Recycling Modernization Act - SB582 from 2021.
- 16. Compostable nonrecyclable paper packaging, printing and writing paper, and food serviceware.** Includes molded paper flowerpots.
- 17. Non-compostable, non-recyclable paper products.** Includes only paper products that are not covered products under RMA (SB 582). Examples include playing cards, wallpaper, solid paper gameboards, photos, carbon paper, products made from a mixture of paper and other materials where paper is the majority or plurality of the weight.

- 18. Non-compostable, non-recyclable paper packaging, food serviceware, and printing and writing paper.** Paper not included above that is not easily recyclable in the United States, and which is not acceptable in composting programs, and which generally is a covered material under RMA (SB 582). Includes mixed paper and materials packaging and food serviceware, old blueprint paper made with the ammonia process, juice and oil cans, foil containing wrapping paper and cards, foil lined fast food papers, microwave paper food trays used in frozen dinners, individual cigarette packages, paper with large thick plastic windows, paper containers that held hazardous products, thin bound reports with plastic covers. Paper-bound 3-ring binders go here, but the paper contained goes in the appropriate grade.
22. used only in inbound recycling study – recyclable “exempt” paper packaging and printing/writing paper.
23. used only in inbound recycling study – non-recyclable “exempt” paper packaging and printing/writing paper.
- 24.** (reserved)

Plastics (see additional component information)

- 25. Deposit beer and soft drink plastic beverage bottles.** Any beverage container up to 3 liters in size with an Oregon deposit for beer, soft drink, carbonated water and carbonated juice. Counted.
- Does not include soft drink syrup containers.
- 26. Deposit plastic water bottles.** Only includes still waters and flavored waters added to the bottle bill as of 2009, up to 3 liters in size. Counted.
- 27. Other deposit plastic beverage bottles.** This include all beverages that became deposit containers in 2018 and 2019, that are at least 4 oz in size and no greater than 1.5 liters. Kombucha is included in any size up to 3 liters. Examples include juices, energy drinks, teas, and coffee.
- Does not include beer, soft drink, or water plastic bottles.
 - Does not include distilled liquor, wine, dairy or plant-based milks, and infant formula that is a container.
 - Does not include pouches or cups. Counted.
- 28. No-deposit plastic beverage bottles (RPCs).** 8-oz to 5 gallons plastic beverage bottle *without* an Oregon deposit. This includes dairy and plant-based milks, wine, distilled liquor, and infant formula. It also includes juice, tea, or other no-deposit beverages in bottles larger than 1.5 liters, plus beer, soft drink, and water bottles that are over 3 liters in size or that are from out-of-state that are not marked with the Oregon refund value. Counted.
- Does not include cream, half and half, syrups, and powdered beverages. “Beverage” includes only ready-to-drink beverages, not concentrates or flavorings.
 - Small juice cups (with foil lids) go in “Other Rigid Plastic Packaging” (in #38).
- 29. No-deposit very small plastic beverage bottles.** Plastic bottles less than 8 oz that hold ready-to-drink beverages. Mainly small liquor bottles. Counted.
- 30. No-deposit very large plastic beverage bottles.** Plastic bottles greater than 5 gallons that hold ready-to-drink beverages. Mainly large water bottles, plastic beer kegs. Counted.
- 31. Other plastic bottles.** All non-beverage bottles 8 oz-to-5 gallons used for non-beverage food, medicines, vitamins, hair and bath products, laundry supplies, antifreeze, oil. Also include plastic jars with necks narrower than the body (blow-molded plastic).

- 32. >2 Gallon to 5 Gallon buckets, flowerpots.** Large plastic buckets and flowerpots or other rigid plastic containers (non-bottle) larger than 2 gallons up to 5 gallons in size.
- 33. Other plastic tubs, pails acceptable in curbside.** Tubs, pails (buckets), flowerpots 4" or larger, from 8 oz up to 2 gallons in size made from plastic and meeting the definition in Oregon Revised Statute 459A.650 for Rigid Plastic Container.
- Does not include trays or clamshells.
- 34. Other plastic tubs, and trays that meet Rigid Plastic Container definition but are not acceptable in curbside and all cups 8 oz or larger.** Rigid plastic packages with a capacity of from eight ounces to five gallons. Includes cookie trays, trays with sidewalls that can contain at least 8 oz., all plastic clamshells including take-out containers, all plastic cups that are 8 oz or larger, and flowerpots <4" that are 8 oz. or larger, foam coolers 5 gallons or less used for packaging.
- Excludes tubs/pails that are acceptable in curbside, or any bottles. Excludes lids, unless the lid is attached or is itself a rigid plastic container.
 - Excludes flexible tubes like bathroom caulk, toothpaste.
 - Excludes blister-pack (Plastic dome adhering to a paper card. A clamshell with a paper card inside capable of holding 8 oz or more is a rigid plastic container and not a blister pack).
- 35. Small plastic tubs acceptable in curbside.** Includes the plastic tubs and yogurt containers that are at least 6 oz in size, but less than 8 oz.
- 36. Bulky plastic packaging.** Includes all-plastic large crates, totes, and containers except beverage bottles larger than five gallons. Also includes large non-decorative flowerpots used for sale of large plants if over 5 gallons in size. Minimum size for most bulky packaging is equivalent in volume to just larger than a 2-gallon bucket (for non-rigid plastic containers) or just greater than a 5-gallon bucket (for containers). Also includes large lids for storage tubs and 5-gallon buckets.
- Excludes all RPCs.
 - Excludes block foam plastic packaging (goes in block foam plastic packaging (#37)).
 - Excludes beverage bottles larger than five gallons (in #30).
 - Excludes plastic pallets (in #39).
- 37. Block foam plastic packaging Block foam plastic regardless of resin, plus polystyrene (or other resin) foam coolers larger than 5 gallons.**
- Does not include packaging peanuts, or foam clamshells, food trays, or other food serviceware. Does not include foam plastic used as a marine float, or plastic foam insulation boards, toys, or other products.
 - Foam clamshells, cups 8 oz or larger, foam coolers 5 gallons and smaller used as packaging and any other foam container meeting the definition of "rigid plastic container" goes in 34.
 - Foam dishware, food trays, and cups smaller than 8 oz go under 41 Rigid Plastic Food Serviceware.
 - Foam peanuts go under 38 Other Rigid Plastic Packaging.
 - Foam housing insulation board, foam marine float, and foam toys or other products go under #40 other rigid plastic products regardless of size.
- 38. Other rigid plastic packaging.** Includes plastic packaging that does not meet the definition of rigid plastic container, or bulky plastic packaging (36), or block foam plastic packaging (37) This includes expanded polystyrene peanuts and food trays that are not rigid plastic containers (i.e. holding less than 8 oz). Includes plastic lids and caps from plastic, glass, metal, or paper containers, and plastic containers such as yogurt cups or small juice cups that are less than 6 ounces in size.

- Excludes all rigid plastic containers.
 - Excludes block foam (#37).
 - Excludes bulky plastic packaging as defined in #36.
 - Excludes foam insulation board (#40) and other products.
- 39. Bulky rigid plastic products.** Includes larger all-plastic items such as plastic garbage cans, toys, bins, baskets, lawn furniture, Minimum size about the equivalent of just larger than a 2-gallon bucket in size. Change from 2016: Includes plastic pallets but not plastic slip-sheets.
- Excludes fiberglass-containing plastic and foam plastics such as marine floats, house insulation board, foam toys and other plastic foam products (they go in #40 Other rigid plastic products, regardless of size).
- 40. Other rigid plastic products not food serviceware.** Plastic household items, small toys thermoset plastic products, and "fiberglass" (mainly plastic) boat parts, corrugated roofing, and similar products. Includes foam products such as foam cushions, marine floats, foam housing insulation boards, and plastic fiberglass such as is used in boat hulls, regardless of size.
- Excludes polyurethane carpet pad (its own category).
- 41. Rigid plastic food serviceware excluding rigid plastic containers and all cups 8 oz or larger.** Dishware and utensils, including plastic cups that are smaller than 8 oz, cup lids, plates, plastic straws, stirrers, small sauce containers and their lids.
- Excludes clamshells that meet the definition of "rigid plastic container" even if used for take-out.
 - Excludes plastic cups 8 oz or larger.
- 42. Rigid Mixed plastics/materials packaging and food serviceware.** Packaging and food serviceware whose predominant material is plastic but is combined with other material. Examples include paint cans with metal rims and blister-pack that is mostly plastic but with firmly attached paper or foil. Note that much blister-pack is more paper than plastic.
- 43. Rigid Mixed plastics/materials products.** Plastic products that are not food serviceware whose predominant material is plastic, but is combined with other material, such as kitchen ware, toys, plastic pens, car parts with other components, floor tiles and coverings that have canvas, paper, or other types of backing material or significant non-plastic components, etc.
- (44. used only in inbound recycling study: "Exempt" recyclable rigid plastic containers)
- (45. used only in inbound recycling study: "Exempt" non-recyclable rigid plastic containers)
- (46. used only in inbound recycling study: "Exempt" recyclable small containers)
- (47. used only in inbound recycling study: "Exempt" non-recyclable small containers)
- 48. Plastic beverage pouches.** Includes ready-to-drink beverages only. Counted.
- 49. Plastic grocery/merchandise bags.** Single-use plastic shopping bags and thicker solid polyethylene bags used to carry merchandise out of a store. Includes dry cleaner bags intended for one-time use. Include even if used as a garbage bag. Count only in inbound recycling study.
- Does not include produce bags (in #50 if polyethylene, #53 if not).

- 50. "Recyclable" polyethylene film plastic packaging and food serviceware.** Includes newspaper bags, bread bags, produce bags (excluding biodegradable bags), product wrap (for example used on paper towels, tissue, diapers, and water bottles), zip-close bags, pallet-wrap, shrink wrap, fertilizer/peat/feed bags, furniture and mattress wrap, bubble wrap, woven lumber wrap, roofing material wrap, insulation wrap, commercial bags and liners, commercial parts packaging, building wrap, and parts bags.
- Excludes plastic grocery/merchandise bags, any film that is not polyethylene, biodegradable bags, any film that is laminated to other materials (limited tape/labels are OK), any bag used as a garbage bag (can liners and tied-off garbage bags), bags contaminated with food and other sticky/contaminating materials on the inside, frozen vegetable bags, stand-up pouches, and plastic sheeting used for ground cloths or masking, if contaminated. Count a subsample only in inbound recycling study. (change from 2016 – exclude polypropylene film).
- 51. "Recyclable" polyethylene film plastic products.** Includes clear and white polyethylene sheeting, hay sleeves and silage bags. Count a subsample only in inbound recycling study.
- 52. Plastic garbage bags.** Includes any bag that was originally sold to as a trash can liner or to hold garbage. Count a subsample only in inbound recycling study.
- Does not include bags originally sold/provided for other purposes that are used for garbage. These go in #53.
- 53. Other nonrecyclable film plastic packaging and food serviceware.** All other plastic bags and flexible plastic film including chip bags and other bags with a thin metallic layer, stand-up pouches, plastic twine and strapping, green bio bags, and other flexible plastic items used for packaging or as food serviceware. Also include any plastic bag other than grocery/merchandise bags or garbage bags that are used as a garbage bag. Count a subsample only in inbound recycling study.
- 54. Other nonrecyclable plastic film products.** Includes polypropylene woven tarps, black plastic sheeting, shower curtains, plastic used as ground cover, plastic gloves (non-medical) Count a subsample only in inbound recycling study.
- (55. used only in inbound recycling study: "Exempt" plastic film packaging. Count a subsample only in inbound recycling study).
- (56-60: reserved)

Other organic wastes

"Organic" used in the "carbon-containing" (or burnable) sense.

Yard Debris: natural vegetative material

- 61. Grass clippings.** Grass clippings and leaves can be weighed together, and the weight allocated by estimate to grass vs. leaves/weeds. Grass does not include sod (goes soil/dirt/sand).
- 62. Leaves/weeds.** Herbaceous plant material excluding grass clippings.
- 63. Small prunings less than 2" diameter.** Natural woody material from trees, plants, and shrubs. Could be chipped with a small chipper for home composting.
- 64. Large prunings more than 2" in diameter.** This category is composed of trees and large branches greater than 2" diameter and small stumps/roots less than 1' in diameter and less than 100 pounds. Not easily home-composted due to its size, weight and composition.
- 65. Stumps.** Stumps too large to be ground by most commercial composters due to size, without use of special stump-splitting devices (greater than 1' diameter or 100 pounds).

Wood: manufactured wood lumber and other wood items (excluding sawdust):

- 66. Reusable dimensional lumber - unpainted.** Unpainted solid sawn or engineered lumber products at least 0.75" thick by 3.5" wide, and at least 4 feet long, which is clean (nails and minimal fasteners OK, with more allowed in larger pieces) and not rotted, pest-infested, or damaged, and without significant dirt and no other materials being firmly attached such as wallboard. Also includes at least half-sheets of plywood or oriented strand board at least 3/8 inch thick in good condition.
- 67. Clean solid sawn lumber.** Unfinished, unpainted and untreated solid sawn dimensional lumber or wood.
 - Excludes cedar shakes, shingles, reusable dimensional lumber, plywood, oriented strand board, and all other engineered lumber products, and pallets/crates.
- 68. Clean engineered wood.** Unfinished, unpainted and untreated engineered wood including plywood, oriented strand board, particleboard, medium density fiberboard, high-density hardboard (pegboard), composite siding, TJI joists, cross-laminated timber, glue-lam beams, laminated veneer lumber, laminated strand lumber/timber strand, finger-jointed lumber or trim, veneered or laminated wood and paneling, melamine coated wood, etc.
 - Excludes reusable dimensional lumber and furniture.
- 69. Reusable dimensional lumber - painted.** Same as unpainted reusable dimensional lumber, but is primed, painted, or stained (and not chemically treated). To be included, the entire paint surface must be completely adhering to the wood. No peeling, chalking, flaking, alligating, or blistering paint.
- 70. Other painted lumber.** Includes any lumber (solid sawn or engineered) that is painted or primed, excluding reusable dimensional lumber, furniture, chemically treated lumber, and mixed wood/materials (split from chemically treated lumber in 2000).
- 71. Chemically treated lumber.** Pressure-treated or creosoted lumber or wood treated for either rot or fire resistance.
- 72. Wood pallets.** Dimension lumber material used as pallets.
- 73. Wood crates and other wood packaging and wood food serviceware.** Includes wood/wire crates with thin slats, if not mixed with plastic and other materials. Also includes woody bamboo plates, and wood popsicle sticks, chopsticks and stirrer sticks and the wood toothpicks that hold sandwiches together.
- 74. Cedar shakes or shingles.** Cedar roofing, excluding tar paper and other non-wood components.
- 75. Wood furniture.** Includes desks, chairs, bureaus, and other furniture items made from wood.
- 76. Other wood products.** Includes pencils, coat hangers, and other objects made of wood that are not used for packaging or construction or as furniture. Does not include wood food serviceware.
- 77. Mixed wood/materials.** Mostly wood items combined with plastic, metal, or other materials. Excludes items that are better included in another category.

(78-80: reserved)

Food

- 81. Non-packaged bakery goods.** Includes bread, rolls, cake, crackers, donuts, unpackaged dough. "Non-packaged" includes open bags and boxes (easily dumped) but does not include any sealed packaged items.
- 82. Packaged bakery goods.** "Packaged" includes sealed containers but not open bags or boxes that are easily dumped.

83. **Non-packaged "edible" other vegetative food.** "Vegetative" contain no animal products other than traces. "Edible" includes any food, even if spoiled, that was originally produced to be eaten.
84. **Non-packaged "non-edible" other vegetative food.** "Non-edible" is limited to items associated with food that are universally accepted as not being edible, such a fruit pits, corn husks, carrot tops, thick peels from fruit, and coffee grounds. For fruits and vegetables that are eaten by many with their peels (such as apples, carrots, and potatoes), peels are considered "edible" even when purposefully removed and discarded.
85. **Packaged other vegetative food.**
86. **Non-packaged "edible" meat, eggs, and dairy.** Non-packaged "edible" food that is mainly meat, animal grease, eggs, or dairy. Excludes bones, shells, and other animal products that are fairly universally accepted as not being edible.
87. **Non-packaged "non-edible" animal food-related products.** Includes only bones, shells, gristle, and other animal products that are fairly universally accepted as not being edible.
88. **Packaged meat or eggs.**
89. **Packaged dairy.**
90. **Mixed unpackaged foods.** Unpackaged foods that were originally prepared as mixtures, that are mainly vegetative by weight, but that contain more than a trace of animal products. Examples include pizzas, pasta with meat sauce, stir-fries with pieces of egg or meat.
91. **Mixed packaged foods.** Packaged foods that are mainly vegetative by weight but that contain more than a trace of animal products.

Other organics (carbon-containing, not "organic" from a biological standpoint)

92. **Disposable diapers.** Disposable diapers, including fecal materials contained within. Cloth diapers are to be sorted under textiles.
93. **Clothing textiles.** Include clothing made only from fabric materials, including natural and synthetic fibers. (cottons, wools, silks, woven nylon, rayon, polyesters, and other materials). Excludes other textiles such as sheets, towels, and curtains, and excludes items such as gloves, belts, and shoes.
94. **Other textiles excluding clothing.** Towels, sheets, curtains, and other material made of fabric (natural and man-made textile materials).
- Excludes non-fabrics such as dryer sheet, "Swiffer" duster refills – go under "mixed".
95. **Mixed textiles/materials.** Include textiles that have significant amounts of non-textile components, plus shoes, belts, gloves, and similar clothing articles that may have insignificant amount of textile material. Also includes textile-like materials that are not regular fabric, such as most twine, string, rope, dryer sheets and Swiffer duster refills.
- Polypropylene (baler) twine goes in "other film plastic". Polypropylene rope goes here.
96. **Carpet.** Synthetic and natural fibers attached to a backing intended to be affixed to a floor as a floor covering.
- Excludes rugs (loose floor coverings) and carpet pads.
97. **Rugs.** Synthetic or natural fibers attached to a backing intended to cover part of a floor without being affixed.
- Excludes carpet and carpet pad.
98. **Polyurethane foam carpet/rug pads.**

- 99. Other carpet/rug pads.** Includes fiber and other pads
- Excludes polyurethane foam carpet pad, rubber padding (other rubber), and the carpet or rug itself.
- 100.** Reserved
- 101. Automotive/truck tires.** Whole tires meeting the definition in ORS 459.705.
- 102. Other tires.** Bicycle tires, off-road vehicle tires, cart tires, or other tires not meeting the definition in ORS 459.705. Also included shredded automotive tires.
- 103. Other rubber products.** Includes toys, inner tubes, rubber mats, rubber gloves, rubber carpet padding.
- 104. Asphalt shingles and tar roofing paper - recyclable.** "Recyclable" asphalt roofing includes tarpaper and regular 3-tab roofing architectural-grade composition shingles, and roll roofing.
- 105. Asphalt and tar roofing paper – nonrecyclable.** "Nonrecyclable" asphalt roofing includes such things as built-up asphalt roofing commonly used on flat-roofed commercial buildings.
- 106. Mattresses and box springs.** Mattresses, box springs, and futons (excludes water beds) Separate counts for mattresses, for foundations including box springs, and for futons.
- 107. Furniture and furnishings.** Includes mixed-material reusable and non-reusable household items that are large such as chairs and tables.
- Excludes furniture made from a single material (all metal, all plastic, all wood).
- 108. Paper composite ceiling tiles.**
- 109. Compostable other organics.** Carbon-containing easily compostable wastes not otherwise categorized, including sawdust and organic fines, pet food.
- 110. Non-compostable other organics.** Carbon-containing wastes not otherwise categorized including wax, linoleum, vacuum bags, charcoal, cigarette butts, hair, dryer lint, disposable hygiene products, soap, gel pads, and dead animals.

Glass

Container glass

- 111. Deposit beer, soft drink, water glass bottles.** Oregon deposit beer, soft drink, carbonated water, carbonated juice, and still water. Counted.
- 112. Other deposit glass beverage bottles.** This include all beverages other than beer, soft drink, water, distilled liquor, wine, dairy or plant-based milks, and infant formula that is a container at is at least 4 oz in size and no greater than 1.5 liters, plus kombucha in sizes from 0 up to 3 liters. Examples include juices, energy drinks, teas, coffee, and kombucha. Counted.
- 113. Non-deposit beverage glass bottles.** Wine, liquor, and milk/milk substitute glass bottles. Counted.
- 114. Other container glass.** Includes glass jars, ketchup/mustard bottles, baby food jars, pickle jars and mayonnaise jars, medicine and other non-beverage bottles, and other container glass that is not a beverage bottle.
- (115. Used only in inbound recycling study: "Exempt" glass containers)

Window and other glass

- 116. Flat window glass.** Excludes auto glass and mirrors.

- 117. Other nonrecyclable glass.** This category includes products such as incandescent light bulbs, glass plates and cups, auto and cooking ware glass and mirrors, but excluding ceramics. This glass is not accepted by glass beverage container manufacturers for recycling, although some can be recycled into other uses.
- Excludes fiberglass insulation (166).
 - Excludes fluorescent tubes (181) and compact fluorescents (182).

118. Reserved

119. Reserved

Metals (and appliances)

- 120. Deposit beer, soft drink, water aluminum cans.** Oregon deposit beer, soft drink, carbonated water, carbonated juice, and still water. Counted.
- 121. Other deposit aluminum beverage cans.** Examples include non-carbonated juice, tea, and other deposit beverages except deposit beer, soft drink, and water (above)
- Excludes wine, liquor, dairy and milk substitutes. Counted.
- 122. Other aluminum beverage cans.** No Oregon deposit. Includes wine, liquor, milk, and milk substitutes, and any other beverage that does not have a refund value in Oregon. Counted.
- 123. Other aluminum containers and foil.** Aluminum pet food cans, foil-formed trays/containers, and foil.
- 124. Other aluminum curbside acceptable.** Includes all other aluminum materials such as cookware and scrap, but exclude material not accepted in a curbside program such as items longer than 18" or weighing more than 10 pounds.
- 125. Larger aluminum not acceptable curbside.** Includes other aluminum materials including furniture, house siding, cookware, and scrap that cannot be put in curbside programs due to being more than 18" long or weighing more than 10 pounds or not being pure metal.
- 126. Steel/bimetal deposit beer, soft drink and water cans.** Oregon deposit usually imported beer (rare). Counted.
- 127. Steel/bimetal other deposit beverage cans.** Juice, tea, and other beverages with deposits. Does not include beer, soft drink, or water (above) or wine, liquor, dairy and milk substitutes (no deposit). Counted.
- 128. Steel/bimetal other beverage cans.** Wine, liquor, dairy or milk substitutes, or other beverages not covered under the bottle bill. Counted.
- 129. Other tinned cans.** Predominantly steel cans (some with tin or enamel coatings) used to hold food, and non-food items. (Prior to 2005 food and non-food tin cans were measured separately.)
- 130. Other non-ferrous metals curbside acceptable.** Metals that are not materials derived from iron, including copper, brass, bronze, lead, pewter, zinc, "stainless steel", and other metals to which a magnet will not adhere.
- Excludes materials proposed not to be acceptable in curbside recycling containers due to being longer than 18 inches or weighing more than 10 pounds or not being pure metal.
- 131. Other non-ferrous not acceptable at curbside.** Includes non-ferrous metal pieces longer than 18" or weighing more than 10 pounds or not being pure metal, such as insulated copper wire or incandescent holiday light strings.
- Light Emitting Diode holiday light strings go in #148

- 132. Other ferrous metals curbside acceptable.** Ferrous and alloyed ferrous scrap materials derived from iron, including household, industrial and commercial products not containing significant contaminants. This category includes scrap iron and steel to which a magnet adheres. Includes all-steel furniture such as bed frames. Does not include appliances, food cans, or other ferrous metal items listed elsewhere.
- Excludes ferrous metal that may not be acceptable in future curbside programs due to being longer than 18", heavier than 10 pounds, or not being pure metal.
- 133. Other ferrous metals not curbside-acceptable.** Ferrous and alloyed ferrous scrap materials derived from iron, including household, industrial and commercial products not containing significant contaminants. Includes only ferrous metal not acceptable in curbside programs due to being longer than 18", heavier than 10 pounds, or not being pure metal.
- Does not include appliances, food cans, or other ferrous metal items listed elsewhere.
- 134. White goods.** This category is composed of discarded stoves, washer, dryers, refrigerators and other large household appliances.
- 135. Oil filters.** Used oil filters. Counted. (Moved here from Household Hazardous Waste category.)
- 136. Empty or non-hazardous aerosol cans.** Note - aerosol cans still containing hazardous materials such as oil-based paint or pesticides are included in the "hazardous materials" categories. Cans that by weight are more than 50% of a non-hazardous product should be classified in that product category.
- 137. Mixed ferrous/non-ferrous curbside acceptable.** Items that are mainly metal, but a mixture of ferrous and non-ferrous, such as electric motors, and small gas engines.
- Excludes metal not acceptable in curbside programs due to being longer than 28", heavier than 10 pounds, or not being pure metal.
- 138. Mixed ferrous/non-ferrous not curbside-acceptable.** Items that are mainly metal, but a mixture of ferrous and non-ferrous, such as electric motors, old lawnmowers, engines and other metal items that weigh more than 10 pounds, are larger than 18", or are not pure metal.
- 139. Mixed metals/materials.** Products with mixtures of metal and non-metal items, where the metal weight predominates but where the item would not be recyclable with scrap metal. Generally, if an item is at least 70% ferrous metal or 50% copper or aluminum, it should be classified in one of the recyclable metal categories, not here.
- (140. Used only in inbound recycling study: "Exempt" metal packaging)

Computers, brown goods, other small appliances

- 141. Computers monitors.** This category includes both flat screen and cathode ray tube type computer monitors but excludes devices with a 4-inch or less diagonal screen. (2005 study excluded flat screen monitors).
- 142. Computer main Central Processing Units.** Includes computers, laptops, cell phones only with a screen larger than 4" diagonal, and tablets (excluding tablets and phones with a 4-inch or less diagonal screen, and excludes separate monitors and peripherals such as mice, keyboard, and printers. Count of cell phones with a screen larger than 4" diagonal.
- 143. Reserved**
- 144. Printers.** Desktop printers including all-in-one devices that function as printers, but does not include copiers, scanners, or other separate devices.
- 145. Computer mice and keyboards.** Includes only computer mice and keyboards and their cords, and no other peripherals such as separate speakers or video cameras.
- 146. TVs.** Includes **Cathode Ray Tubes**, flat screen, and projection TVs.

- 147. Microwaves.**
- 148. LED lights.** New category Includes all forms: bulbs, LED holiday lights, LED grow lights.
- 149.** Reserved
- 150.** Reserved
- 151. Other consumer electronics.** Includes other computer peripherals such as separate computer speakers and scanners, and other electronic devices such as VCR and DVD players, radios, stereos, calculators, digital cameras, computer game systems, cell phones with a 4-inch or less diagonal screen, telephones and other devices with circuit boards. Count of cell phones with a screen 4" diagonal and smaller.
- Excludes microwaves, computers, TVs, printers, mice, and keyboards – all in categories above.
- 152. Non-electronic small appliances.** Includes fans, hair blowers, can openers, kitchen blenders, and shop tools. These may contain small electronic components such as digital readouts and controls, and often will have electric motors, but do not have significant amounts of circuit-board electronics.
- 153. E-Cigarettes and vapes.**
- 154 to 160: reserved

Other inorganics

- 161. Rock, Concrete, and Brick.** Generally, particle sizes of 0.4" or greater.
- 162. Soil, dirt, sand.** Includes sod.
- 163. Pet litter, animal feces.**
- 164. New gypsum wallboard.** Unpainted scrap and excess gypsum wallboard from new construction or remodeling.
- 165. Old gypsum wallboard.** Old painted or other demolition gypsum wallboard.
- 166. Fiberglass insulation.**
- 167. Other inorganics.** Includes plaster, ash, ceramics, china, and porcelain. Does not include items that contain significant amounts of carbon.
- 168.** Reserved
- 169.** Reserved
- 170. Medical waste excluding sharps.** Includes, tubing, gauze, blood-containing, and similar materials, including urine-filled roadside bottles). Also includes medical face masks and COVID test materials. Does not include drugs covered by the Drug Take-back Program (separate category under hazardous materials) Bags and containers with medical waste are not sorted further. Thus, other non-medical waste is weighed as medical waste if it is in a bag or container with other apparent medical waste.
- 171. Sharps.** Needles, syringes, lancets, auto-inject pens, and connection needles. Can estimate both count and weight if advisable for safety reasons. Counted or estimate.

Hazardous materials (see additional component information)

- 172. Lead-acid batteries.** Only the large batteries from vehicles, boats. Does not include SSLAs (small, sealed lead-acid batteries) sometimes used in camcorders and other electronic equipment.
- 173. Dry-cell batteries.** Includes regular alkaline, NiCad, lithium, and similar batteries, and small sealed lead-acid batteries (changed from previous studies). Includes rechargeable flashlights.
- 174. Latex paint.** All water-based architectural paints and stains. Includes dried paint in cans.

- 175. Oil-based paints.** All oil-based architectural paints and stains. Includes dried paint in cans.
- 176. Motor oil.** Includes drain oil, transmission fluid and similar petroleum hydraulic oils.
- 177. Other flammables.** Thinners, solvents, fuels (diesel, gasoline, kerosene, lighter fluid), flammable/combustible adhesives, sealants, and strippers, flammable furniture polish, nail polish, flammable hair spray, oil-based hobby/spray paints, lighters.
- Does not include oil-based architectural paints. (#175).
- 178. Pesticides/herbicides.** Chemical products designed/intended to kill plants and/or animals, including fertilizers that contain pesticides, such as "Weed and Feed". Includes mothballs.
- Does not include fertilizers without pesticides, or antimicrobial cleaners.
- 179. Corrosive cleaners.** Any cleaning product with the words "corrosive" or "caustic" or other evidence of strong acid or base content. Could include pool and spa chemicals, household cleaners and disinfectants, oven cleaner, drain cleaner, tarnish remover, strippers, floor and carpet cleaners, etc.
- 180. Asbestos.**
- 181. Fluorescent light tubes.** Includes individual separate light tubes. Does not include light fixtures/ballasts.
- 182. Compact fluorescent lights.** This includes small fluorescent fixtures that are sold as complete units, with both the ballast and tube attached.
- Does not include regular (full-sized) ballasts commonly used with full-sized fluorescent tubes.
- 183. Other mercury-containing items.** Includes mercury thermometers, thermostats, dairy manometers.
- 184. Live ammunition and explosives.** Unused bullets and fireworks. Includes flares, dynamite and C-4.
- 185. Compressed gas cylinders.** Includes all intact gas cylinders (even helium) including fire extinguishers.
- Cylinders that are cut in half or have a hole and thus are clearly empty are put in "other ferrous scrap metal" instead of here.
- 186. Drugs covered by the Drug Takeback Program.** Includes generally both prescription drugs and non-prescription drugs, as defined in Oregon Revised Statute 689.505, but excludes homeopathic drugs, products that are regulated both as a cosmetic and a drug, and other specified health products. This category includes the drugs themselves, and not the packaging. Drug packaging typically has a "Drug Facts" section and list "Active ingredients". Examples of non-prescription drugs include sunscreens, pain-relief medicines, laxatives, anti-diarrheal medicines, antihistamines, and many others.
- Does not include vitamins or supplements, which typically have "Supplement Facts" on the label.
 - Does not include herbal-based remedies or homeopathic drugs, products or remedies, or drugs marketed for use as animal medicines (note that these products with have "Drug Facts" and "Active ingredients" on the labeling but homeopathic drugs may be labeled as "homeopathic" and animal medicines will be marketed for animals).
 - Does not include nonprescription drugs that are also regulated as cosmetics, such as dandruff shampoos, fluoride and anticavity toothpastes, deodorants that are also antiperspirants, and moisturizers and make-up with sun protection claims.
- 187. Other hazardous chemicals.** Includes only chemicals that show hazardous characteristics other than those specified above. Includes acids and bases that are not cleaners, corrosive water-based paint strippers, toxic substances, oxidizers, liquid bleach, antifreeze, brake fluid, equipment hydraulic fluid. Include ionizing smoke detectors (lightly radioactive).

- Does not include non-hazardous chemicals such as detergents, vegetable oils, or non-hazardous inorganic salts (such as Epsom salt), fertilizers that do not contain pesticides, water-based adhesives and sealants (such as latex caulk), water-based paints (other than architectural paints) such as tempera and watercolors, bacterial or enzyme-type drain cleaners.

188. Unknown hazardous. Unlabeled chemicals believed to be hazardous but not identifiable.

Beverage categories – used in counts

1. **Beer.** Any malt beverage that would be required to carry a 10-cent refund value if sold in Oregon. Includes malt coolers and hard lemonade for those brands that require a deposit.
2. **Soft drink.** Carbonated non-alcoholic and non-malt-based beverage such as sodas that would be required to carry a 10-cent refund value if sold in Oregon. Carbonated sports drinks, waters, and juices are included in this category, but uncarbonated versions of these beverages are not.
3. **Still water and flavored water.** Non-carbonated water that carries a deposit in Oregon as of 2009. Carbonated water is included in soft drinks.
4. **Juice/tea/sports/coffee.** Includes all other beverages covered under the Oregon Bottle Bill as of 2021, excluding beer, soft drinks, and waters. Includes non-carbonated juices, teas, coffees, sports drinks, kombuchas, and any other beverage that carries a deposit and is not in one of the above 3 categories. These beverages became deposit by 2018 and 2019. Does not include wine, liquor, milk or milk substitutes.
5. **Liquor.** Distilled alcoholic spirits (no deposit required).
6. **Wine.** Includes wine and champagne. Alcoholic. (Non-alcoholic wine would go under "juice"). Does not include distilled liquor or malt beverages such as malt coolers.
7. **Milk.** Beverage containing dairy where milk is the main ingredient. Includes eggnog. Does not include cream or half-and-half as these are not ready-to-drink beverages. Does not include soy milk or rice milk as these are not dairy products.
8. **Milk substitutes.** Includes beverages such as soy, rice, oat, hemp, or similar milks.
9. **Other.** Includes infant formula, diet beverage meal drinks such as slim-fast. Only no-deposit containers.

Counts are to be done for each beverage category, separately for glass, plastic, aluminum, steel.

Resin categories for rigid plastic containers for contamination analysis

After sorting, rigid plastics are to be sorted and weighed by resin in the following four material categories:

1. Rigid plastic container bottles and blow-mold jars
2. Rigid plastic container tubs, injection mold, thermoform, or other molding
3. Bulky rigid plastic
4. Other rigid plastic

The plastic in each of the categories would then be classified into at least the following categories:

- 1 Polyethylene Terephthalate. PET
- 2 High-Density Polyethylene. HDPE
- 3 Polyvinyl Chloride. PVC
- 4 Low-Density Polyethylene. LDPE
- 5 Polypropylene. PP
- 6 Polystyrene. PS (not foam)
- 6 Polystyrene. PS (PS foam)
- Polylactic Acid. PLA (part of #7)
- Nylon

- Acrylonitrile Butadiene Styrene. ABS
- Teflon/fluorinated polyolefins
- Unknown

For rigid plastic containers, each resin should be split into 2 categories: blow-mold (bottles) and other molding (injection, thermoform). For other rigid plastics, the resin categories for bulky rigids should be weighed separately from those of other rigid plastics.

Identifying hazardous material

The labels of products which may contain dangerous material use key words like:

- Flammable
- combustible
- corrosive
- irritant
- inhalation hazard
- contact hazard
- poison
- explosive
- reactive
- toxic
- radioactive

They may show cautionary symbols, such as the “skull and crossbones”, “Mister Yuk”, or other universal symbols of warning.

Products packaged for home use in the U.S. are generally not required to warn of potential chemical hazards. When packaged for commercial distribution (used by business and industry), the same product must disclose the chemical hazards contained within, if any.

If a chemical can readily burn and can become a fire hazard, it should say so on the label. Transportation regulations are the main reason for this. A flammable liquid has a flash point of 141°F (60.5°C) or lower, and will ignite more readily than a combustible liquid, which has a flash point between 141°F and 200°F (93°C).

Non-hazardous products often use water, rather than oil, alcohol, or a chemical solvent as their base. This normally renders them non-flammable. Water-based products may be labeled to “protect from freezing” or “clean up with soap and water”.

However, water is also the vehicle for a vast number of products containing dangerous chemicals. Instructions to wear gloves or a mask may indicate the presence of hazardous chemicals, as may precautions to protect surrounding surfaces or vegetation.

Inbound recycling material categories

Generally, for recyclable materials, we used the same material categories and definitions as in the disposal site waste composition categories above. However, for most non-recyclable items, we lumped them into larger categories such as “food”, “wood”, “yard debris”, and other non-recyclables”. Some non-recyclable materials that are of considerable concern, such as diapers, were also sorted separately.

For bagged recyclables, we did the following:

- Shredded paper in a plastic bag, in a paper bag, and loose were weighed in separate categories.
- Bagged recyclables were weighed in the bag and then dumped out with the other recyclables for sorting and weighing.
- Bagged garbage was weighed in the bag but not dumped out with the other material for sorting. The entire contents of the bag will be counted as something that would be disposed. For the purpose of distinguishing between bagged garbage and bagged recyclables, “bagged garbage” is anything where over 50% of the material is either non-program material or is so contaminated by food or other wastes that it should be disposed.

Important new considerations on four exemptions in SB 582 from being “covered products” that were taken into account only in the inbound recycling study

Although we have consolidated many categories for the inbound recycling study, we have added 9 new categories to separate out some groups of specific materials which are specifically designated at not being a covered material under SB 582. All of these materials described below are collectively called “exempt” in the table of material categories below.

(M) Packaging and paper products sold or supplied in connection with:

- (i) Prescription drugs as defined in ORS 689.005;
- (ii) Nonprescription drugs as defined in ORS 689.005;
- (iii) Drugs marketed under a brand name as defined in ORS 689.515; or
- (iv) Drugs marketed under a generic name as defined in ORS 689.515

(N) Packaging and paper products sold or supplied in connection with drugs that are used for animal medicines, including but not limited to parasiticide drugs for animals.

(O) Packaging and paper products sold or supplied in connection with:

- (i) Infant formula as defined in 21 U.S.C. 321(z);
- (ii) Medical food as defined in 21 U.S.C. 360ee(b)(3); or
- (iii) Fortified oral nutritional supplements used for individuals who require supplemental or sole source nutrition to meet nutritional needs due to special dietary needs directly related to cancer, chronic kidney disease, diabetes, malnutrition, or failure to thrive, as those terms are defined as by the International Classification of Diseases, Tenth Revision, or other medical conditions as determined by the commission.

(Q) Packaging for products:

- (i) That are required under 40 C.F.R. 156.140, or other federal regulation pertaining to toxic or hazardous materials, to state on the label or container that the packaging should not be recycled or should be disposed of in a manner other than recycling; or
- (ii) Identified by the commission by rule as product that is required by law to state on the label or container that the packaging should not be recycled or should be disposed of in a manner other than recycling.

In the table of materials below, a blank in the "inbound recycling" column means that material is included in one of the combined categories such as "food" or "wood". Category columns including "[counted]" in italicized brackets means that counts of items were required (mostly for beverage containers). The "covered in SB 582?" column indicates whether that material is a covered material under SB 582. For the combined inbound recycling categories such as "food" or "wood", the numbers in parentheses refers to which of the disposal site material categories are combined into the inbound recycling combined category. The 9 new categories of "Exempt" material below, as indicated in the "material type" column, have no directly corresponding category from the disposal site material list categories. In the "material type" column, packaging is noted as "pkg", food service ware is noted as "fsw", and printing and writing paper is noted as "pwp".

Table 1. Inbound recycling material categories, as compared to disposal site material categories

#	Material type	Covered in SB 582?	Disposal site categories	Inbound recycling categories
1	pkg	Yes	Gable top beverage cartons [Counted]	Gable top beverage cartons (1) [Counted]
2	pkg	Yes	Aseptic drink boxes [Counted]	Aseptic drink boxes (2) [Counted]
3	pkg	Yes	Wine boxes [Counted]	Wine bag-in-boxes (3) [Counted]
4	pkg, fsw	Yes	Corrugated cardboard and unbleached kraft paper (OCC) (pizza boxes and some bags are fsw)	Corrugated cardboard and unbleached kraft paper (OCC) (4) (exclude "Exempt")
5	pkg	Yes	Waxed corrugated cardboard	(in with 19)
6	pwp	Yes	High-grade office/printing/writing paper (uncoated high grades)	High-grade paper (6) (exclude "Exempt")
7	pwp	Yes	Newspaper (ONP)	Newspaper (7)
8	pwp	Yes	Magazines	Magazines (8)
9	pwp	Yes	Low-grade printing/writing paper (includes junk mail)	Low-grade printing/writing paper (junk mail) (9) (exclude "Exempt")
10	pwp	Yes	Shredded paper	
11	pwp	Yes		Shredded paper in a paper bag (part of 10)
12	pwp	Yes		Shredded paper in a plastic bag (part of 10)
13	pwp	Yes		Loose shredded paper (part of 10)
14	pkg, fsw	Yes	Low-grade packaging paper and recyclable food serviceware paper	Low-grade packaging + recyclable FSW paper (14) (exclude "Exempt")
15	product	No	low-grade recyclable paper products	low-grade recyclable paper products (15)
16	pkg, fsw	Yes	Polycoated paper, freezer boxes, cups, plates, take-out paper containers	Polycoated paper, freezer boxes, cups, plates, take-out paper containers (16)
17	pwp	No	Hard-covered books	Hard-covered books (17)
18	product	No	Compostable non-recyclable paper products	(in with 20)
19	pwp, pkg, fsw	Yes	Compostable, non-recyclable paper packaging, printing/writing, and food serviceware	Non-recyclable paper packaging, food serviceware, and printing/writing paper (5,19,21)

#	Material type	Covered in SB 582?	Disposal site categories	Inbound recycling categories
20	product	No	Non-compostable, non-recyclable paper products	Non-recyclable paper products (18,20)
21	pwp, pkg, fsw	Yes	Non-compostable, non-recyclable paper packaging, food serviceware, and printing/writing paper	(in with 19)
22	pkg, pwp "Exempt"	No	(in with 14)	Recyclable "Exempt" paper packaging and printing and writing paper (acceptable for recycling in an Oregon curbside program)
23	pkg, pwp, "Exempt"	No	(in with either 19 or 21)	Non-recyclable "Exempt" paper packaging and printing and writing paper (not acceptable for recycling in an Oregon curbside program)
24			(reserved)	(reserved)
25	pkg	No	Deposit beer and soft drink plastic beverage bottles [Counted]	Deposit beer and soft drink plastic beverage bottles (25) [Counted]
26	pkg	No	Deposit plastic water bottles [Counted]	Deposit plastic water bottles (26) [Counted]
27	pkg	No	All other deposit plastic beverage bottles [Counted]	All other deposit plastic beverage bottles (27) [Counted]
28	pkg	Yes	No-deposit plastic bev. bottles (RPCs) 8 oz to 5 gallons [Counted]	No-deposit plastic bev. bottles (RPCs) 8 oz to 5 gallons (28) [Counted]
29	pkg	Yes	No-deposit very small plastic beverage bottles less than 8 oz [Counted]	No-deposit very small plastic beverage bottles less than 8 oz (29) [Counted]
30	pkg	Yes	No-deposit very large plastic beverage bottles greater than 5 gallons [Counted]	No-deposit very large plastic beverage bottles greater than 5 gallons (30) [Counted]
31	pkg	Yes	Other plastic bottles and jars (RPCs) non-beverage 8 oz to 5 gallons	Other plastic bottles and jars (RPCs) non-beverage 8 oz to 5 gallons (31)
32	pkg	Yes	<2 to 5 Gallon buckets, flowerpots	<2 to 5 Gallon buckets, flowerpots (32)
33	pkg	Yes	Other plastic tubs, pails acceptable in curbside 8 oz to 2 gallons	Other plastic tubs, pails acceptable in curbside 8 oz to 2 gallons (33)
34	pkg	Yes	Other rigid plastic containers tubs, trays, etc. - RPCs not acceptable curbside + cups	Other rigid plastic containers tubs, trays, etc. - RPCs not acceptable curbside + cups (34)
35	pkg	Yes	Small tubs 6+oz but <8 oz	Small tubs 6+oz but <8 oz (35)
36	pkg	Yes	Bulky other rigid plastic packaging	Bulky other rigid plastic packaging (36)
37	pkg	Yes	Block foam plastic packaging	Block foam plastic packaging (37)
38	pkg	Yes	Other rigid plastic packaging	Other rigid plastic packaging (38)
39	product	No	Bulky rigid plastic products	Bulky rigid plastic products (39)
40	product	No	Other rigid plastic products that is not food serviceware	Other rigid plastic products that is not food serviceware (40)
41	fsw	Yes	Rigid plastic food serviceware (cutlery, etc. excluding cups, RPCs)	Rigid plastic food serviceware (cutlery, etc. excluding cups, RPCs) (41)

#	Material type	Covered in SB 582?	Disposal site categories	Inbound recycling categories
42	pkg, fsw	Yes	Rigid mixed plastic / materials packaging/ food serviceware	Rigid mixed plastic / materials packaging/ food serviceware (42)
43	product	No	Mixed plastic / materials products	Mixed plastic / materials products (43)
44	pkg, "Exempt"	No	(in with appropriate rigid plastic container category)	"Exempt" rigid plastic containers that are curbside-acceptable (8 oz to 5 gallons)
45	pkg, "Exempt"	No	(in with appropriate rigid plastic container category)	"Exempt" rigid plastic containers that are not curbside-acceptable (8 oz to 5 gallons)
46	pkg, "Exempt"	No	(in with appropriate rigid plastic container category)	"Exempt" other rigid plastic that is curbside-acceptable (small bottles and tubs less than 8 oz, but at least 6 oz)
47	pkg, "Exempt"	No	(in with appropriate rigid plastic category)	"Exempt" other rigid plastic not curbside-acceptable
48	pkg	Yes	Plastic beverage pouches <i>[Counted]</i>	Plastic beverage pouches (48) <i>[Counted]</i>
49	pkg	Yes	Plastic grocery/merchandise bags	Plastic grocery/merchandise bags (49) <i>[Counted]</i>
50	pkg	Yes	Plastic other film packaging or fsw - recyclable	Plastic other film packaging or fsw - recyclable (50) (count only for 30 samples)
51	product	No	Plastic film products - recyclable	Plastic film products - recyclable (51) <i>[Counted only for 30 samples]</i>
52	product	No	Plastic garbage bags	Plastic garbage bags (52) <i>[Counted only for 30 samples]</i>
53	pkg, fsw	Yes	Plastic film packaging or fsw - other nonrecyclable	Plastic film packaging or fsw - other nonrecyclable (53) <i>[Counted only for 30 samples]</i>
54	product	No	Plastic film product - other non-recyclable	Plastic film product - other non-recyclable (54) <i>[Counted only for 30 samples]</i>
55	pkg, "Exempt"	No	(in with appropriate film plastic packaging)	"Exempt" film packaging <i>[Counted only for 30 samples]</i>
56-60			(reserved)	(reserved)
61	Natural	No	Grass clippings	All yard debris (61 to 65)
62	Natural	No	Leaves / weeds	(in with 61)
63	Natural	No	Small Prunings under 2"	(in with 61)
64	Natural	No	Large Prunings over 2"	(in with 61)
65	Natural	No	Stumps	(in with 61)
66	Natural	No	Reusable dimensional lumber: unpainted	All wood (66 to 77)
67	product	No	Clean sawn lumber	(in with 66)
68	product	No	Clean engineered wood	(in with 66)
69	product	No	Reusable dimensional lumber: painted	(in with 66)
70	product	No	Other painted lumber	(in with 66)
71	product	No	Chemically treated lumber	(in with 66)
72	product	No	Wood Pallets	(in with 66)

#	Material type	Covered in SB 582?	Disposal site categories	Inbound recycling categories
73	pkg, fsw	Yes	Wood crates, other wood packaging, wood food serviceware	(in with 66)
74	product	No	Cedar shakes and shingles	(in with 66)
75	product	No	Wood Furniture	(in with 66)
76	product	No	Other Wood Products	(in with 66)
77	product	No	Mixed Wood / Materials	(in with 66)
78-80			(reserved)	(reserved)
81	product	No	Non-packaged bakery goods	All food (81 to 91)
82	product	No	Packaged bakery goods	(in with 81)
83	product	No	Non-packaged other vegetative edible food	(in with 81)
84	product	No	Non-packaged other vegetative nonedible food	(in with 81)
85	product	No	Packaged other vegetative food	(in with 81)
86	product	No	Non-packaged edible meat, eggs, dairy	(in with 81)
87	product	No	Non-packaged nonedible animal food-related	(in with 81)
88	product	No	Packaged meat, eggs	(in with 81)
89	product	No	Packaged dairy	(in with 81)
90	product	No	Mixed unpackaged foods	(in with 81)
91	product	No	Mixed packaged foods	(in with 81)
92	product	No	Disposable Diapers	Disposable Diapers (92)
93	product	No	Clothing textiles	Textiles (93, 94)
94	product	No	Other textiles excluding clothing	(in with 93)
95	product	No	Mixed textile / material	(in with 141 Other nonrecyclables)
96	product	No	Carpet	(in with 141 Other nonrecyclables)
97	product	No	Rugs	(in with 141 Other nonrecyclables)
98	product	No	Polyurethane foam carpet pad	(in with 141 Other nonrecyclables)
99	product	No	Other carpet/rug pad	(in with 141 Other nonrecyclables)
100			(reserved)	(reserved)
101	product	No	Automotive Tires	(in with 141 Other nonrecyclables)
102	product	No	Other tires	(in with 141 Other nonrecyclables)
103	product	No	Other rubber products	(in with 141 Other nonrecyclables)
104	product	No	Asphalt roofing: recyclable	(in with 141 Other nonrecyclables)
105	product	No	Asphalt roofing nonrecyclable	(in with 141 Other nonrecyclables)
106	product	No	Mattresses and box springs	(in with 141 Other nonrecyclables)
107	product	No	Furniture (mixed material)	(in with 141 Other nonrecyclables)
108	product	No	Paper composite ceiling tiles	(in with 141 Other nonrecyclables)
109	product	No	Compostable other organics	(in with 141 Other nonrecyclables)
110	product	No	Non-compostable other organics	(in with 141 Other nonrecyclables)

#	Material type	Covered in SB 582?	Disposal site categories	Inbound recycling categories
111	pkg	No	Deposit beer, soft drink, water glass containers <i>[Counted]</i>	Deposit Beverage Glass (111,112) <i>[Counted]</i>
112	pkg	No	Other deposit glass beverage containers <i>[Counted]</i>	(in with 111)
113	pkg	Yes	Non-deposit beverage glass bottles <i>[Counted]</i>	Other beverage glass bottles (113) (exclude "Exempt") <i>[Counted]</i>
114	pkg	Yes	Other container glass	other container glass (114) (exclude "Exempt") <i>[Counted]</i>
115	pkg, "Exempt"	Yes	(in with 114)	"Exempt" glass containers
116	product	No	Flat Window Glass	All other glass (116,117)
117	product	No	Other Nonrecyclable Glass	(in with 116)
118-119			(reserved)	(reserved)
120	pkg	No	Deposit Alum Beer, soft drink, water cans <i>[Counted]</i>	Deposit Alum Beer, soft drink, water cans (120) <i>[Counted]</i>
121	pkg	No	Other deposit aluminum beverage cans <i>[Counted]</i>	Other deposit aluminum beverage cans (121) <i>[Counted]</i>
122	pkg	Yes	Other Alum. Beverage Cans <i>[Counted]</i>	Other Alum. Beverage Cans (122) <i>[Counted]</i>
123	pkg, fsw	Yes	Alum. Foil / Food Trays	Alum. Foil / Food Trays (123) (exclude "Exempt")
124	product	No	Other aluminum: curbside-acceptable	Other Aluminum curbside acceptable (124)
125	product	No	Large aluminum not acceptable curbside	Large Aluminum non-curbside (125)
126	pkg	No	Steel/bimetal deposit beer, soft drink, water cans (rare) <i>[Counted]</i>	Steel/Bimetal Deposit beer, soft drink, water cans (rare) (126) <i>[Counted]</i>
127	pkg	No	Other steel/bimetal deposit beverage cans <i>[Counted]</i>	Other steel/bimetal deposit beverage cans (127) <i>[Counted]</i>
128	pkg	Yes	Steel/bimetal other beverage cans <i>[Counted]</i>	Steel/Bimetal Other Beverage Cans (128) <i>[Counted]</i>
129	pkg	Yes	Other tinned cans	Other Tinned Cans (129) (exclude "Exempt")
130	product	No	Nonferrous metal curbside-OK	Nonferrous Metal curbside-OK (130)
131	product	No	Non-ferrous non-curbside	Non-ferrous non-curbside (131)
132	product	No	Other ferrous metal curbside-OK	Other Ferrous Metal curbside-OK (132)
133	product	No	Other ferrous metal non-curbside	Other Ferrous Metal non-curbside (133)
134	product	No	White Goods	White Goods (134)
135	product	No	Used oil filters <i>[Counted]</i>	Used oil filters (135) <i>[Counted]</i>
136	pkg	Yes	Empty aerosol cans	Empty Aerosol Cans (136) (exclude "Exempt")
137	product	No	Mixed ferrous - non-ferrous curbside	Mixed ferrous - non-ferrous curbside (137)
138	product	No	Mixed ferrous - non-ferrous non-curbside	Mixed ferrous - non-ferrous non-curbside (138)
139	product	No	Mixed metal / material	Mixed Metal / Material (139)

#	Material type	Covered in SB 582?	Disposal site categories	Inbound recycling categories
140	pkg, "Exempt"	No	(in with appropriate metal packaging categories)	"Exempt" metal packaging
141	product	No	Computer monitors	Other nonrecyclables (95-110,141-167) <i>[Counted large and small cell phones]</i>
142	product	No	Computer CPU units <i>[Counted large and small cell phones]</i>	(in with 141 Other nonrecyclables)
143			(reserved)	(reserved)
144	product	No	Printers	(in with 141 Other nonrecyclables)
145	product	No	Computer mice keyboards	(in with 141 Other nonrecyclables)
146	product	No	TVs	(in with 141 Other nonrecyclables)
147	product	No	Microwaves	(in with 141 Other nonrecyclables)
148	product	No	LED lights	(in with 141 Other nonrecyclables)
149-150			(reserved)	(reserved)
151	product	No	Other consumer electronics / brown goods <i>[Counted small cell phones]</i>	(in with 141 Other nonrecyclables)
152	product	No	Small Appliances-non electronic	(in with 141 Other nonrecyclables)
153	product	No	E-Cigarettes and vapes	(in with 141 Other nonrecyclables)
154-160			(reserved)	(reserved)
161	product	No	Rock, concrete, or brick	(in with 141 Other nonrecyclables)
162	natural	No	Soil / Sand / Dirt	(in with 141 Other nonrecyclables)
163	product	No	Pet litter / animal feces	(in with 141 Other nonrecyclables)
164	product	No	Gypsum wallboard new	(in with 141 Other nonrecyclables)
165	product	No	Gypsum wallboard old	(in with 141 Other nonrecyclables)
166	product	No	Fiberglass insulation	(in with 141 Other nonrecyclables)
167	product	No	Other inorganics	(in with 141 Other nonrecyclables)
168-169			(reserved)	(reserved)
170	product	No	"medical wastes" excluding sharps	"medical wastes" excluding sharps (170)
171	product	No	Sharps (can estimate) <i>[Counted]</i>	Sharps (171) (can estimate) <i>[Counted]</i>
172	product	No	Lead-Acid Batteries	Batteries (172,173)
173	product	No	Dry-cell Batteries	(in with 173 Batteries)
174	product	No	Latex Paint	Other hazardous materials (174 to 188)
175	product	No	Oil Paints	(in with 174 Other hazardous materials)
176	product	No	Motor Oil	(in with 174 Other hazardous materials)
177	product	No	Other flammables	(in with 174 Other hazardous materials)
178	product	No	Pesticides / herbicides	(in with 174 Other hazardous materials)
179	product	No	Corrosive cleaners	(in with 174 Other hazardous materials)
180	product	No	Asbestos	(in with 174 Other hazardous materials)
181	product	No	Fluorescent tubes	(in with 174 Other hazardous materials)
182	product	No	Compact fluorescent lights	(in with 174 Other hazardous materials)
183	product	No	Other mercury-containing items	(in with 174 Other hazardous materials)

#	Material type	Covered in SB 582?	Disposal site categories	Inbound recycling categories
184	product	No	Ammunition and fireworks	(in with 174 Other hazardous materials)
185	product	No	Compressed gas cylinders	(in with 174 Other hazardous materials)
186	product	No	Drugs covered under the Drug Takeback Program	(in with 174 Other hazardous materials)
187	product	No	Other Hazardous Chemicals	(in with 174 Other hazardous materials)
188	product	No	Unknown Hazardous Chemicals	(in with 174 Other hazardous materials)
189-194			(reserved)	(reserved)
195				Bagged garbage (new category)
196				Bagged recyclables (weigh and then re-sort)
197			(reserved)	(reserved)
198			Supermix - estimate composition	Supermix - estimate composition
199			Mixed fines - estimate composition	Mixed fines - estimate composition

Outbound recycling material categories

As was true for inbound recyclable, many of the outbound recycling categories are defined identically to the field sort categories for disposal site sampling at the beginning of this document. Other outbound recyclable categories combine multiple field sort categories for disposal site sampling. In the outbound recycling material category list below, numbers after each material category name refer to the individual disposal site category or categories.

Table 2. Outbound recycling material categories

Outbound recycling categories	Outbound recycling categories - continued
Gable top beverage cartons (1)	Nonrecyclable plastic film products (52, 54)
Aseptic drink boxes (2)	All yard debris (61 to 65)
Corrugated cardboard /Brown paper (3,4)	All wood (66 to 77)
High-grade office/printing /writing paper (6)	All food (81 to 91)
Newspaper, junk mail, other curbside acceptable paper that is a covered material (7-14)	Disposable Diapers (92)
low-grade recyclable paper products (15)	Textiles (93, 94)
Polycoated paper, freezer boxes, cups, plate, take-out paper containers (16)	Deposit beverage container glass (111, 112)
Hard-covered books (17)	Other glass bottles, jars curb-acceptable but not in commingled bin (113, 114)
Non-recyclable paper packaging, food serveware, and printing/writing paper (5,19,21)	All other glass (116, 117)
Non-recyclable paper products (18,20)	deposit aluminum cans (120,121)
Plastic deposit bottles (25, 26, 27)	Other aluminum beverage cans (122)
Other plastic bottles and jars (28 – 31)	Aluminum foil, food trays (123)
Other curb-acceptable rigid plastic containers (32, 33) and small tubs (35)	Other aluminum (124, 125)
Other RPCs not acceptable at the curb (34)	Deposit steel/bimetal cans (126, 127)
Bulky other rigid plastic packaging (36)	Other steel/bimetal cans (128)
Block foam plastic packaging (37)	Other tinned cans, empty aerosol cans (129, 136)
Other rigid plastic packaging and food serveware (38, 41)	Non-ferrous metal (130,131)
Bulky rigid plastic products (39)	Other ferrous metal, white goods, used oil filters (132 to 135)
Other rigid plastic products that is not food serveware (40)	mixed ferrous/nonferrous and mixed metal/material (137, 138, 139)
Rigid Mixed plastic/materials packaging/ food serveware (42)	Other nonrecyclables (95 to 110 and 141 to 167)
Mixed plastic / materials products (43)	"MEDICAL WASTES" including sharps (170, 171)
Recyclable plastic film packaging/bags (49, 50)	Batteries (172, 173)
Recyclable film products (51)	Other hazardous materials (174 to 188)
Non-recyclable film packaging, food serveware (48, 53)	

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