metrovancouver | SOLID WASTE

Construction and Demolition

WASTE REDUCTION AND RECYCLING TOOLKIT

A guide for the building and construction industry

October 2023

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October 2023

Front Cover: Unbuilders

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Introduction

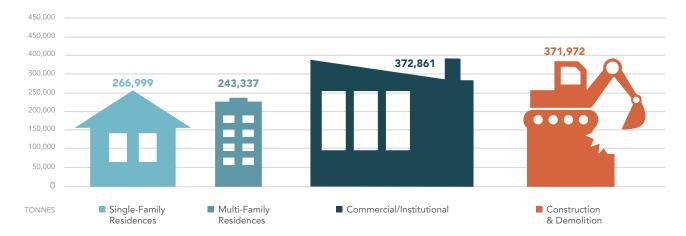
Thank you for using Metro Vancouver's Construction and Demolition (C&D) Waste Reduction and Recycling Toolkit.

This toolkit contains a reference guide and directory to help contractors, project managers, and homeowners learn more about:

- Demolition waste recycling requirements in different municipalities throughout Metro Vancouver
- Resources for the management of hazardous materials commonly found in construction sites
- Alternatives to traditional demolition

- Ways to reuse and recycle leftover building materials
- C&D facilities, recycling depots, and service providers in Metro Vancouver

Can't find a recycler for a specific material? Visit Metro Vancouver Recycles or call 604-RECYCLE (604-732-9253).



Waste Disposed in Metro Vancouver by Sector - 2021

WHY C&D WASTE MATTERS

Waste from the C&D sector represents about one third of waste sent to landfills in Metro Vancouver¹.

Wood and plastic are the largest components of the C&D waste disposed in the region (approximately 48% and 10% respectively.)²

By recycling and reusing building materials we keep them out of the waste stream and help improve our air quality, land, and water supply.

1 2021 Solid Waste Management Annual Repo 2 2022 Waste Composition Study Report

Barn deconstruction CREDIT: UNBUILDERS Link-Ben

Municipal C&D Diversion Requirements

Metro Vancouver municipalities each have their own bylaws and procedures that govern construction and demolition activities, including salvage and recycling requirements.

Some municipalities in Metro Vancouver have implemented regulatory measures to encourage recycling and reuse of building materials. If you want to demolish an existing home, you may be required to submit a waste management plan as part of your deconstruction/demolition permit application and submit a compliance report when work is complete.

Learn more about demolition waste diversion requirements in your municipality by following the links below or contacting your local building permit department.

DID YOU KNOW?

Many homes being demolished are structurally sound and do not have fire or water damage. Deconstruction provides an opportunity to salvage old growth lumber from trees that were up to 2,000 years old³.

In a typical home deconstruction, up to 25% of materials can be reused and up to 70% of materials can be recycled⁴.

| MUNICIPALITY | WEBLINK | PHONE | ADDITIONAL RESOURCES | | |
|-----------------------------|--|--------------|--|--|--|
| City of Burnaby | Demolition Waste Diversion | 604-294-7850 | | | |
| City of Coquitlam | Demolition Permits | 604-927-3441 | Demolition Permit Brochure | | |
| City of New Westminster | Demolition Permits | 604-527-4580 | Demolition Permit guidelines and application form | | |
| City of North Vancouver | Demolition Permit | 604-983-7355 | Demolition Waste Checklist | | |
| City of Port Moody | Building Permit | 604-469-4534 | Deconstruction Permit Process | | |
| City of Richmond | Demolition, Moving or Salvage Program | 604-276-4118 | | | |
| City of Surrey | Demolition Recycling Requirements | 604-591-4366 | Demolition & Construction Waste Brochure | | |
| City of Vancouver | Demolition Recycling Requirements | 604-873-7611 | | | |
| District of West Vancouver | Building permits and Inspections | 604-925-7040 | | | |
| District of North Vancouver | Building Permit | 604-990-2480 | Demolition Waste Reduction | | |

Municipalities with demolition waste reuse and recycling requirements

3 Building Deconstruction Capacity in BC: Opportunities for a Changing Industry. Presentation by Unbuilders

4 Deconstruction & Building Materials Reuse

Hazardous Waste Management

Hazardous materials should be identified early in the process to protect workers and allow for proper removal and disposal. Before any demolition work begins, a hazardous materials survey must be completed by a qualified person to:

- Protect the health and safety of workers, the community, and the environment
- Comply with BC Occupational Health and Safety Regulation

For more information, go to WorkSafeBC-OHS Regulation Part 6: Substance Specific Requirements⁵. Construction and demolition wastes, especially those that contain hazardous materials, should never be dumped onto the street, ground, or into the sewer system.

Hazardous waste materials must be properly managed and disposed of in compliance with the Hazardous Waste Regulation and BC Environmental Management Act.

Some municipalities in Metro Vancouver require that the main applicant submit a Hazardous Materials Report before a demolition permit is issued. Contact your municipality to learn more about specific requirements of hazardous waste management for your project.



DID YOU KNOW?

Deconstruction increases opportunities to discover and remove hidden hazardous materials during the hand disassembly⁶.

⁵ Occupational Health and Safety Regulation

⁶ Deconstruction Program Status Report - May 2017, City of Portland

Examples of hazardous materials commonly found at C&D sites

| MATERIAL | POSSIBLE SOURCES |
|---------------------|---|
| Asbestos | Roof shingles, pipe insulation, pipe tape, ceiling tile, drywall joint compound, vinyl sheet flooring, vinyl tiles, lag pipe, stucco, insulation asbestos board, and linoleum. |
| Abandoned chemicals | Paint, solvents, oils, cleaning products, flammable and combustible substances like gasoline, pesticides , herbicides, and medications. |
| | Underground storage tanks for heating and cooling systems. |
| Freon | Cooling equipment. |
| Formaldehyde | Glues in particleboard or interior-grade plywood. Some glues and varnishes release formaldehyde gas when they are heated. |
| lsocyanates | Spray foam insulation in walls and rooms. |
| Lead | Fences, porches, sidings, walls, doors, ceilings and window sills, stairs, banisters, painted built-ins (bookcases, shelves), and paint or solvent wastes abandoned in the building prior to and during occupancy. |
| Mercury | Switches, toggles, transformers, high-intensity discharge lamps, and thermostats. |
| Silica | Concrete, concrete block, cement, mortar, masonry, tiles, brick, refractory brick, composite products such as Hardiplank, granite, sand, fill dirt, top soil, asphalt containing rock or stone, and abrasive used for blasting. |

USED GYPSUM DISPOSAL PROGRAM

A special program has been created for residents to dispose of a small amount of used gypsum at Metro Vancouver recycling and waste centres and the Vancouver Landfill. The program is limited to a maximum of 10 x 10 kg bags per visit, 5 visits per year.

For more information go to Metro Vancouver Used Gypsum Disposal Instructions Call 604-RECYCLE (604-732-9253) for information on hazardous waste management contractors and laboratory testing services in your area.

Deconstruction and Salvage

What are the alternatives to demolition?

If your site has an existing structure that needs to be removed, consider these alternatives:

Adaptive Reuse and House Moving

- Building reuse helps preserve historical architecture, reduce waste, and offset consumption of raw materials required for new construction.
- An old building can be reused for a different purpose than it was designed. A successful adaptive reuse project requires collaboration and planning between developers and municipalities.

Please email heritage@gov.bc.ca if you have questions about adapting or restoring a heritage building. For more information and examples of projects where older buildings in British Columbia were restored, visit **Rehabilitated Heritage Buildings**.

• Alternatively, if a building is no longer needed at the site it sits on, it could still be structurally sound and used at another location.

Deconstruction

- Compared to traditional demolition, deconstruction salvages and redistributes building materials, diverting up to 95% for reuse or recycling. Deconstruction is also quieter and reduces dust generation.
- If a building can't be restored or relocated, consider deconstructing the structure.
- A deconstruction contractor can help you determine if full deconstruction is suitable for your project.
- A house moving contractor can help you determine if building relocation is appropriate for your project.







Salvage

- Salvaged building materials can be reused onsite, taken to used building materials stores, donated to non-profit organizations, or sold directly to local builders.
- If full deconstruction is not viable, you can recover architectural pieces before demolition.
- An appraiser can help you identify materials that can be recovered and estimate the value of items that can be donated to charity.

Reuse of building materials

- You can use reclaimed building materials to add character to your home through the use of heritage historic materials, support local small businesses, and reduce your project's carbon footprint.
- Reclaimed lumber is highly valued and can be reused as flooring, wall cladding, or to manufacture furniture.
- Visit a used building materials store to explore your options.



EXAMPLES OF REUSABLE MATERIALS

Appliances (good working order, clean)

Architectural details (columns, mantels, mouldings)

Barn wood boards & fences

Bricks, stone & cinderblock

Cabinets

Doors

Hardwood flooring

Lighting and electrical equipment

Lumber

Mirrors (framed)

Plumbing fixtures & fittings (faucets, sinks, bathtubs, and bathroom accessories)

Railings and gates

Windows*

* Check energy requirements in your municipality

DID YOU KNOW?

Between 60 and 80 trees can be saved when a home is relocated rather than demolished. In addition, home relocation can save up to 120 trees from being used in construction of an average new home⁷.

⁷ Nickel Brothers, 2008, Waste Reduction Through House Moving

DECONSTRUCTION CASE STUDIES

Case Study – Riley Park

Unbuilders launched in 2018 and disassemble structures mostly by hand, diverting around 50 tonnes of building materials per house, from which 15 tonnes are salvaged for reuse.

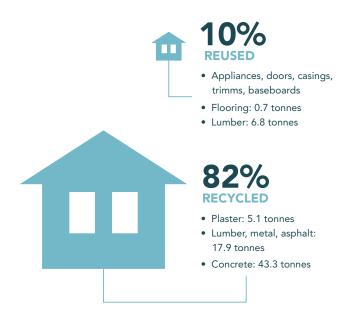
Building type: Single-Family House **Square footage:** 1,760 **Location:** City of Vancouver

This Vancouver house, built in 1910, was located in Riley Park at the City's highest point topographically. Unbuilders became involved with this home in 2018 when it was slated for demolition.

Unbuilders donated many of the materials to Habitat for Humanity, a non-profit organization. Some of the salvaged lumber was reused in the Welcome Parlour ice cream shop in North Vancouver.

Total Waste Diversion

Approximately 92% of building materials were saved from disposal through reuse and recycling.





Cost Comparison

| | DECONSTRUCTION | DEMOLITION |
|--|----------------|------------|
| House removal | \$34,800 | \$26,000 |
| Tax credit – donation of salvaged material ⁸ | -\$22,600 | \$0 |
| Total cost | \$12,200 | \$26,000 |

8 Exact tax credit value based on income of person claiming the tax credit (typically 44-50%)

Case Study – Dunbar

Building type: Single-Family House **Square footage:** 1,288 **Location:** City of Vancouver

This Vancouver house was originally built in 1930 in the Dunbar neighborhood. Unbuilders was hired to fully deconstruct this house in 2019.

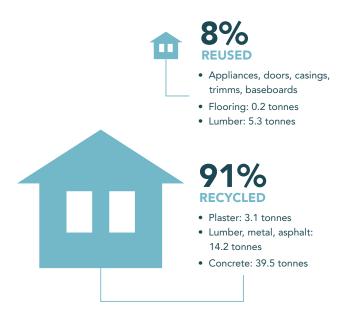
Reclaimed lumber from this project was sold to Western Reclaimed and Heritage Lumber.

Recovered shiplap was sold to Woodshop Coop and was used as cladding in Parlour restaurant in Toronto, a refurbished 1894 piano factory.

Lumber sales helped the owner offset the overall cost of deconstruction, making it comparable to traditional demolition.

Total Waste Diversion

Approximately 99% of building materials were saved from disposal through reuse and recycling.





CREDIT: UNBUILDERS



Cost Comparison

| | DECONSTRUCTION | DEMOLITION |
|------------------|----------------|-------------------------|
| House removal | \$34,990 | \$21,000 to \$27,000 |
| Lumber sale | -\$6,000 | \$0 |
| Total cost | \$28,990 | \$21,000 to \$27,000 |

HOME MOVING CASE STUDY

Case Study – Kerrisdale

Nickel Bros House Moving moves approximately 150 homes within the Pacific Northwest (Canada and U.S.) per year.

Building type: Single-Family House **Square footage:** 2,400 **Location:** City of Vancouver

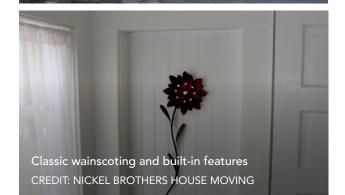
This tudor-style home was built alongside its twin in 1931. Named the "Twin Dorothies," the homes were named after the wives' of the original developers. It was scheduled for demolition in 2013 to make room for two new 4,500 sq. ft. homes. Neighboring residents raised concerns with this choice and led to the developer to choose to relocate the buildings rather than demolishing them. The homes were moved to a new site, and the developer used the Heritage Revitalization Program to create a new project that used the Dorothies to build a new townhouse unit and garden suite below.

Total Waste Diversion

A total of 111 tonnes of building materials were saved from disposal.



CREDIT: NICKEL BROTHERS HOUSE MOVING





Cost Comparison

| | HOUSE MOVING | DEMOLITION |
|---|--------------|------------|
| House removal | \$5,000 | \$18,050 |
| Abatement | \$2,642 | \$15,000 |
| City of Vancouver waste compliance fee ⁹ | \$350 | \$350 |
| Hauling fees | \$0 | \$300 |
| Total cost | \$7,992 | \$33,700 |

New Construction Cost Savings

| Cost | \$155,000 ¹⁰ | \$220,000- \$550,000 ¹¹ |
|---------------|-------------------------|---------------------------------------|
| Total savings | \$65,000 - \$395,00 | 00 |



⁹ City of Vancouver, Demolition Permit with Recycling Requirements

¹⁰ Cost to relocate this home onto property, build foundation / basement (unfinished, increasing home size to 2000 sq. ft.), set up utilities, etc. (not including purchase of lot)

¹¹ Cost to build new: \$200 - \$500 per sq. ft. x 1100 sq. ft. (not including purchase of lot)

Recycling

Source separated materials have a greater potential to be recycled when taken to a processing facility and associated fees are generally lower than mixed loads and disposal tipping fees. Identifying opportunities to source separate your unwanted construction materials early in the process could save you time and money.

Metro Vancouver bans the disposal of readily recyclable or operationally hazardous materials. The following building materials are banned from disposal at regional facilities, but can be dropped off for recycling at a number of private facilities in the region.

Where to take building materials for recycling?

See the **Directory** at the end of the toolkit for a list of local recycling depots and facilities in your area.

Call 604-RECYCLE (604-732-9253) for information on haulers that service your area.

| MATERIAL | INCLUDES |
|-------------------------------------|--|
| Appliances (not suitable for reuse) | Dishwasher, laundry dryer, stove, washing machine, fridge. |
| Asphalt | Asphalt pavement |
| Bricks | Masonry walls, walkways, backyard installations |
| Carpet | Carpet, area rugs, and carpet underlay |
| Clean wood | Forming lumber Dimensional lumber Untreated, unpainted wood Pallets Some flooring and furniture |
| Concrete | Structural concrete, cinder blocks, washout from mixer trucks |
| Yard Trimmings | Existing vegetation: Shrubs, small trees, plants, and sod. Landclearing debris: Stumps, branches, yard waste. |
| Drywall | New gypsum wallboard cutoffs |
| Metal | Piping, aluminum siding, banding, wires, cable, rebar, window frames, studs, cabinets, and shelves |
| Paper | Cardboard from packaging, office paper, newspaper |



NEW GYPSUM RECYCLING PROGRAM

Residents can bring new gypsum cutoffs (date-stamped 1990 or newer) that have not been previously installed to any Metro Vancouver recycling and waste centre or the Vancouver Landfill for recycling. The program is limited to a maximum of 500 kg per load.

For more information go to the Recycling new gypsum section at the bottom of the website Metro Vancouver - Recycling New Gypsum.



CLEAN WOOD RECYCLING

Clean wood can be used for landscaping mulch, composting or alternative industrial fuels. Some clean wood can also be reused in construction.

All Metro Vancouver recycling and waste centres and City of Vancouver solid waste facilities accept clean wood for recycling.

For more information go to: Metro Vancouver - Clean Wood Recycling

DID YOU KNOW?

According to a study conducted by the University of British Columbia, placing a recycling station 1.5 metres away from a point of entry or exit can drastically boost recycling rates by 141%.

¹² Alessandra DiGiacomo, Convenience improves composting and recycling rates in high-density residential buildings

How to set up a recycling and waste management program

This guide contains helpful tips when planning storage and transport of recyclable and discarded materials at your site.

| DEVELOP A WASTE MANAGEMENT PLAN | CHOOSE A COLLECTION OPTION | CHOOSE A HAULING OPTION | ORGANIZE THE RECYCLING PROGRAM | MONITORING AND CONTINUOUS IMPROVEMENT |
|---|--|--|---|--|
| The plan should identify type and quantity of materials generated on site, processors that will receive the materials, on-site procedures and responsibilities, and required documentation. Designate a leader who will be responsible for educating staff, setting up the site, and supervising recycling efforts to prevent contamination of recycling loads. Estimate Waste and Recyclables You can estimate the amount of waste materials generated based on the type and size of the building, using waste disposal records from similar previous projects or the Demolition Waste Generation Rates calculator. | Source separation Recyclable materials are separated on site and stored in separate bins or compartments and taken to a recycling facility. Source separated loads are typically charged lower tipping fees. Collection Waste materials are collected in a single bin and taken to a recycling facility for sorting. Commingled loads are typically charged a higher tipping fee. Collection frequency For space-constrained sites, you can consider using smaller bins paired with more frequent collection. | Hauling services Hire a hauler to provide the bins, collection schedule, and services you require. Some haulers also offer live loading and on-site source separation of recyclable materials and reusable items. Self-haul Using company staff and trucks to collect and haul recyclables works best for smaller sites. | Recycling station layout You can reduce contamination by designating a recycling area next to garbage bins and making sorting recyclables easier. You may also want to consider the bins you need based on the waste generated during each phase. On-site recycling stations will also make tracking waste for your recycling compliance report more efficient. Signage Place large, weatherproof signs for all bins to clearly communicate the intended material. | Monitor Progress Monitor waste management activities on an ongoing basis to ensure materials are salvaged, recycled and disposed of as specified in the waste management plan. Evaluate your project Ask your demolition, deconstruction or salvage contractor to provide you with the following information to track the volumes and cost of your project: Type and quantity of materials salvaged, recycled and disposed. The name and location of the recycling and disposal facilities. Copies of receipts from recycling and disposal facilities and credits from material sales. |



Where to take materials for disposal

The non-hazardous building materials that can't be reused or recycled are known as residuals and require proper disposal.

Visit the following links for information on facilities that take larger quantities of C&D materials for disposal in Metro Vancouver.

- Ecowaste Landfill
- Vancouver Landfill
- Active Licensed Solid Waste Facilities Accepting C&D Waste
 - Metro Vancouver Licensed Solid Waste and Recyclable Material Facilities
 - GIS Map of the Regional Solid Waste System



Bibliography

Delta Institute. (2018). Deconstruction & Building Material Reuse: A Tool for Local Governments & Economic Development Practitioners. Retrieved from https://delta-institute.org/wp-content/uploads/2018/05/ Deconstruction-Go-Guide-6-13-18-.pdf

Metro Vancouver. (2023). 2021 Solid Waste Management Annual Summary. Retrieved from https://metrovancouver.org/services/solid-waste/Documents/solid-waste-managementannual-summary-2021.pdf

Dillon Consulting. (2023). 2022 Construction and Demolition Waste Composition Study. Retrieved from: https://metrovancouver.org/services/solid-waste/Documents/construction-demolition-waste-compositionstudy-2022.pdf

City of Vancouver (2020). Demoliton permit with recycling requirements. Retrieved from Demolition permit: https://vancouver.ca/home-property-development/demolition-permit-with-recycling-requirements.aspx

Alessandra DiGiacomo, et.al. (2017) Convenience improves composting and recycling rates in high-density residential buildings. Retrieved from https://www.tandfonline.com/doi/full/10.1080/09640568.2017.1305332

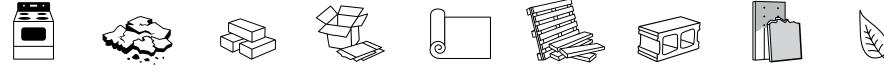
Directory

Recycling Depots & Facilities

Service Providers

Directory – Recycling Depots & Facilities

Please contact the facilities or processors to confirm they can properly handle the materials from your project. These local public and private facilities and recycling depots will only accept separated recyclable materials, unless indicated otherwise. For any questions about this list, broken links, or out-of-date information, please contact icentre@metrovancouver.org.



| | APPLIANCES (LARGE) | ASPHALT | BRICK | CARDBOARD | CARPET | CLEAN WOOD & PALLETS | CONCRETE | DRYWALL | YARD TRIMMINGS | MIXED C&D WASTE | SCRAP METAL | LOAD TYPE |
|--|-----------------------|---------|-------|----------------------------|--------|-------------------------|----------|---------|---|--------------------|-------------|--------------|
| BOWEN ISLAND | | | | | | | | | | | | |
| Bowen Island Recycling Depot 1059 Mount Gardner Road 604-947-2255 bowenwastesolutions.com/bowen- island-recycling-depot.html | | | | ~ | | | | | | | ~ | Residential |
| BURNABY | | | | | | | | | | | | |
| ABC Recycling 8081 Meadow Avenue 604-522-9727 abcrecycling.com | ~ | | | | | | | | | | ~ | Both |
| Burnaby Eco-Centre 4855 Still Creek 604-294-7972 burnaby.ca/city-services/garbage recycling/eco-centre.html | ~ | | | ~ | | Pallets not accepted | | | Commercial yard waste is also accepted. | | ~ | Residential |
| Regional Recycling 2876 Norland Ave 1-855-701-7171 regionalrecycling.ca/burnaby- recycling-depot/ | ~ | | | No cardboard in Burnaby | | | | | | | ~ | Both |



| | APPLIANCES (LARGE) | ASPHALT | BRICK | CARDBOARD | CARPET | CLEAN WOOD & PALLETS | CONCRETE | DRYWALL | YARD TRIMMINGS | MIXED C&D WASTE | SCRAP METAL | LOAD TYPE |
|--|--------------------------------|-------------------|------------------|---|--------|-------------------------|--------------|--------------|-------------------------|-------------------------|-------------|---------------------------------------|
| COQUITLAM | | | | | | | | | | | | |
| United Boulevard Recycling and Waste Centre 995 United Blvd 604-681-5600 metrovancouver.org/services/solid- waste/united-boulevard-recycling- and-waste-centre | ~ | | | Corrugated cardboard accepted for commerical | | ~ | | ~ | ~ | | ~ | Residential |
| NSD Disposal 2440 Canoe Ave #110 604-520-5669 nsddisposal.com | | | | Corrugated cardboard accepted for commerical | | ~ | ~ | ~ | | ~ | ~ | Commercial |
| Lafarge Canada - Aggregates Division 2300 Rogers Avenue 604-521-8811 lafargehomedelivery.com/contact/ | | ~ | | | | | ~ | | | | | Both |
| DELTA | | | | | | | | | | | | |
| Canadian Mattress Recycling 140 – 715 Eaton Way 604-777-0324 canadianmattressrecycling.com | ~ | | | | | | | | | | | Both |
| Vancouver Landfill 5400 72nd St 604-873-7000 vancouver.ca/home-property- development/landfill.aspx | Limits apply | ¥ Limits apply | Residential only | Limits apply | | ✔ Limits apply | Limits apply | Limits apply | Check accepted material | Check accepted material | ~ | Both *Restrictions apply |
| Mikes Marine Services 3871 River Rd W 604-946-9747 | No fridges or freezers (freon) | | | | | | | | | | ~ | Both |
| Pacific Metals Ltd. 7700 Vantage Way 604-327-1148 pacificmetals.ca | ~ | | | ~ | | | | | | | ~ | Commercial |

| | APPLIANCES (LARGE) | ASPHALT | BRICK | CARDBOARD | CARPET | CLEAN WOOD & PALLETS | CONCRETE | DRYWALL | YARD TRIMMINGS | MIXED C&D WASTE | SCRAP METAL | LOAD TYPE |
|---|-----------------------|---------|-------|-----------|--------|-------------------------|----------|---------|-------------------|--------------------|-------------|--------------|
| LANGLEY | | | | | | | | | | | | |
| Cloverdale Fuel Ltd. 20408 - 102B Avenue 604-534-3711 cloverdalefuel.com | | | | | | ~ | | | | | | Both |
| Eco-Agg Concrete Recycling 20494 – 102B Avenue 604-613-9080 recycleconcrete.ca | | ~ | ~ | | | | ~ | | | | | Both |
| Langley Recycling and Waste Centre 1070 - 272nd Street, Aldergrove 604-856-3225 metrovancouver.org/services/ solid-waste/langley-recycling- and-waste-centre | ~ | | | ~ | | ~ | | ~ | ~ | | ~ | Residential |
| Macs Traders Inc. 22334 Fraser Hwy 604-533-4339 | ~ | | | | | | | | | | ~ | Both |
| The Pallet Factory 8910 256 Street 604-881-4741 thepalletfactory.ca | | | | | | ~ | | | | | | Both |
| West Coast Metal Recycling 5771 Production Way 604-534-3531 westcoastmetalrecycling.com | ~ | | | | | | | | | | ~ | Both |
| MAPLE RIDGE | | | | | | | | | | | | |
| Fraser Valley Metal Exchange 23359-A Fishermans Road 604-467-7878 fvme.ca | ~ | | | | | | | | | | ~ | Both |
| Happywife 10481 276th Street 604-451-5155 | ~ | | | | | | | | | | ~ | Both |

| | APPLIANCES (LARGE) | ASPHALT | BRICK | CARDBOARD | CARPET | CLEAN WOOD & PALLETS | CONCRETE | DRYWALL | YARD TRIMMINGS | MIXED C&D WASTE | SCRAP METAL | LOAD TYPE |
|---|-----------------------|---------|-------|-----------|--------|-------------------------|------------------------|---------------------|-------------------|--------------------|-------------|--------------|
| MAPLE RIDGE | | | | | | | | | | | | |
| Maple Ridge Recycling and Waste Centre 10092 - 236th Street 604-466-9277 metrovancouver.org/services/solid- waste/maple-ridge-recycling-and- waste-centre | ~ | | | ~ | | ~ | | ~ | ~ | | ~ | Residential |
| Ridge Meadows Recycling Society 10092 - 236th Street 604-463-5545 rmrecycling.org | ~ | | | ~ | | | | | | | ~ | Residential |
| NEW WESTMINSTER | | | | | | | | | | | | |
| Ecowaste Industries 4 Spruce Street 604-276-9511 ecowastespruce.com | | | | ~ | ~ | ~ | | Full sheets only | | ~ | ~ | Commercial |
| New West Gypsum Recycling 38 Vulcan Street 604-534-9925 gypsumrecyclingbc.com | | | | | | | | Special requiremets | | | | Both |
| Urban Impact 5 Capilano Way 604-273-0089 urbanimpact.com | | | | ~ | | | | | | | | |
| NORTH VANCOUVER | | | | | | | | | | | | |
| B.A. Blacktop Ltd. No 6 Riverside Drive - Plant 604-929-7974 bablacktop.com | | ~ | ~ | | | | ↓ Clean only | | | | | Both |
| Emterra Environmental 132 Riverside Drive 604-929-7377 emterra.ca | | | | ~ | | | | | | | | Both |

| | APPLIANCES (LARGE) | ASPHALT | BRICK | CARDBOARD | CARPET | CLEAN WOOD & PALLETS | CONCRETE | DRYWALL | YARD TRIMMINGS | MIXED C&D WASTE | SCRAP METAL | LOAD TYPE |
|---|-----------------------|---|---|-----------|--------|-------------------------|--|---------|-------------------|--------------------|-------------|--------------|
| NORTH VANCOUVER | | | | | | | | | | | | |
| King Kubota Services 140 Mountain Highway 604-984-0902 superiorstoneslinger.com | | | | | | | ~ | | | ~ | | Commercial |
| North Shore Recycling and Waste Centre 30 Riverside Drive 604-929-5471 metrovancouver.org/services/solid- waste/north-shore-recycling-and- waste-centre | ~ | | | ~ | | ~ | | ~ | ~ | | ~ | Residential |
| Waste Control Services 1493 Dominion Street 604-986-9777 wastecontrolservices.com/ recycling-depot/red-bag-recycling/ | | | | ~ | | | | | | | | Commercial |
| PITT MEADOWS | | | | | | | | | | | | |
| Augustine Soil & Mulch Ltd. 17949 Kennedy Road 604-465-5193 augustinegroup.ca/ | | | | | | ~ | | | ~ | | | Commercial |
| Meadows Landscape Supply 18020 Kennedy Rd 604-465-1315 landscapematerials.ca | | Clean asphalt for both commercial and residential | Clean brick for both commercial and residential | | | ~ | Clean concrete for both commercial and residential | | ~ | | | Both |
| PORT COQUITLAM | | | | | | | | | | | | |
| HSR Services (Happy Stan's Recycling) 1603 Langan Avenue 604-464-0242 happystan.com | ~ | | | ~ | | ~ | | | | | ~ | Both |
| Saskay Earth Exchange 2650 Pitt River Rd 778-801-1701 saskayearthexchange.com | | ~ | | | | | ~ | | | | | Commercial |

| | APPLIANCES (LARGE) | ASPHALT | BRICK | CARDBOARD | CARPET | CLEAN WOOD & PALLETS | CONCRETE | DRYWALL | YARD TRIMMINGS | MIXED C&D WASTE | SCRAP METAL | LOAD TYPE |
|---|--|---------|-------|-----------|--------|-------------------------|----------|------------------|-------------------|--------------------|-------------|--------------|
| RICHMOND | | | | | | | | | | | | |
| Allied Salvage & Metals (1985) Ltd. 11651 Twigg Place (Mitchell Island) 604-322-6629 alliedsalvagemetals.ca | Accepts large appliances for both. Part of MARR program | | | | | | | | | | ~ | Both |
| City of Richmond Recycling Depot 5555 Lynas Lane 604-276-4010 richmond.ca/services/recycling- garbage/recyclingservices/ recyclingdepot.htm | ~ | | | ~ | | | | | ~ | | ~ | Residencial |
| Ecowaste Industries 15111 Williams Rd 604-277-1410 ecowaste.com | | ~ | ~ | ~ | ~ | ~ | ~ | Full sheets only | ~ | ~ | ~ | Both |
| Eagle Disposal Inc. 11611 Twigg Place 604-821-2025 eagledisposalinc.ca | ~ | ~ | ~ | ~ | ~ | ~ | | | ~ | ~ | ~ | Both |
| Enviro Pallet Recovery 11595 Eburne Way 604-301-1084 enviropalletrecovery.net | | | | | | Pallets only | | | | | | Both |
| GFL Environmental Inc. 15360 Knoxway 604-821-2025 gflenv.com | | | | ~ | | | | | | | | Commercial |
| Hayer Demolition Ltd. 11571 Mitchell Road 604-324-4253 | | | | | | ~ | ~ | | | | | Commercial |
| Inner City Demolition 11640 Twigg Place (Mitchell Island) 604-327-0957 | | ~ | ~ | ~ | | ~ | ~ | | | ~ | ~ | Both |

| | APPLIANCES (LARGE) | ASPHALT | BRICK | CARDBOARD | CARPET | CLEAN WOOD & PALLETS | CONCRETE | DRYWALL | YARD TRIMMINGS | MIXED C&D WASTE | SCRAP METAL | LOAD TYPE |
|--|-----------------------|-----------------|-------|-----------|--------|-------------------------|-----------------|---------|-------------------|--------------------|-------------|--------------|
| RICHMOND | | | | | | | | | | | | |
| Lafarge Canada - Aggregates Division 13340 Mitchell Road (Mitchell Island) 604-324-0221 Iafargeholcim.com | | ~ | | | | | ~ | | | | | Both |
| Lafarge Canada Inc. and Geocycle Canada Inc. 7611 No. 9 Road 604-244-4300 www.geocycle.com | | | | | | ✔ Clean only | | | | | | Commercial |
| Lock-Block Ltd. 13171 Mitchell Road (Mitchell Island) 604-325-9161 www.lockblock.com | | | | | | | ✔ Clean only | | | | | Both |
| Mainland Construction Material ULC 124500 No. 5 Road 604-271-2555 mainlandcm.com | | ✔ Clean only | | | | | Clean only | | | | | Both |
| PAC Recycling 130-2351 No 6 Rd 604-314-2277 pacrecycling.ca | | | | | ~ | | | | | | | Commercial |
| Regional Recycling 13300 Vulcan Way 1-855-701-7171 regionalrecycling.ca/richmond- recycling-depot/ | | | | | | | | | | | ~ | Both |
| Richmond Steel Recycling Ltd. 11760 Mitchell Road (Mitchell Island) 604-324-4656 richmondsteel.ca | ~ | | | | | | | | | | ~ | Both |
| Richvan Holdings Ltd. 15300 River Road 604-270-8922 richvanholdings.com | | ~ | | | | | • | | | | ~ | Both |

| | APPLIANCES (LARGE) | ASPHALT | BRICK | CARDBOARD | CARPET | CLEAN WOOD & PALLETS | CONCRETE | DRYWALL | YARD TRIMMINGS | MIXED C&D WASTE | SCRAP METAL | LOAD TYPE |
|--|-----------------------|---------|-------|-----------|--------|-------------------------|----------|---------|-------------------|--------------------|----------------------------|--------------|
| RICHMOND | | | | | | | | | | | | |
| Southernstar Enterprises Inc. 8501 Ontario Street 604-285-3200 southern-star-enterprises.business. site/?utm_source=gmb&utm_ medium=referral | | ~ | ~ | ~ | | ~ | ~ | ~ | ~ | ~ | ~ | Both |
| Waste-Away Disposal Services 11560 Twigg Place 604.322.5114 | | ~ | | | | ~ | ~ | | ~ | ~ | | Both |
| SURREY | | | | | | | | | | | | |
| ABC Recycling, Surrey 19355 54th Ave Surrey, BC 604-514-9411 abcrecycling.com/locations-contact/ metal-recycling-surrey | ~ | | | | | | | | | | ~ | Both |
| Advance Lumber & Pallet 12184 Old Yale Rd 604-580-4918 www.advancelumber.com | | | | | | ~ | | | | | | Commercial |
| Bright Sky Disposal Ltd. 12857 - 116 Avenue 778-395-8800 | | ~ | ~ | | | ↓ No pallets | ~ | | ~ | ~ | ~ | Both |
| Cascades Recovery 12345 104th Ave 604-327-5272 recovery.cascades.com/en | | | | ~ | | | | | | | | Commercial |
| Emterra Environmental 6362 148 Street 604-599-8151 www.emterra.ca | | | | ~ | | | | | | | Residential customers only | Both |
| Central Surrey Recycling and Waste Centre 6711 – 154 Street 604-681-5600 metrovancouver.org/services/solid- waste/central-surrey-recycling-and- waste-centre | ~ | | | ~ | | ~ | | ~ | ~ | | ~ | Both |

| | APPLIANCES (LARGE) | ASPHALT | BRICK | CARDBOARD | CARPET | CLEAN WOOD & PALLETS | CONCRETE | DRYWALL | YARD TRIMMINGS | MIXED C&D WASTE | SCRAP METAL | LOAD TYPE |
|--|-----------------------|---------|-------|-----------|--------|-------------------------|----------|---------|-------------------|--------------------|-------------|--------------|
| SURREY | | | | | | | | | | | | |
| Great West Disposal 7800 Anvil Way 604-597-9161 greatwestdisposal.com | | | | | | ~ | | | ~ | ~ | | Both |
| Pacific Drywall Recycling 7800 Anvil Way 604-401-0223 | | | | | | | | ~ | | | | Both |
| Paramount Pallet 13120 76 Avenue 604-595-2718 paramountpallet.com | | | | | | Pallets only | | | | | | Commercial |
| Regional Recycling Cloverdale 5534 176 St 1-855-701-7171 (Toll free) www.regionalrecycling.ca/ cloverdale-recycling-depot/ | ~ | | | | | | | | | | ~ | Both |
| RDM Enterprises Group 10455 Timberland Rd. 604-530-6310 rdmenterprises.com | | ~ | | | | | ~ | | | | | Both |
| Rypac Metal Recycling Ltd. 11849 Tannery Road 604-580-7471 rypacmetalrecycling.com | ~ | | | | | | | | | | ~ | Both |
| Schnitzer Steel Canada, Ltd. 12195 Musqueam Drive 604-580-0251 schnitzersteel.com | ~ | | | | | | | | | | ~ | Both |
| North Surrey Recycling and Waste Centre 9770 192nd Street 604-513-2409 metrovancouver.org/services/solid- waste/north-surrey-recycling-and- waste-centre | ~ | | | ~ | | ~ | | ~ | ~ | | ~ | Residential |
| Topco Pallet Recycling Ltd. Unit 8 - 10619 Timberland Road 604-582-2020 topcopallets.ca | | | | | | ✔ Pallets only | | | | | | Both |

| | APPLIANCES (LARGE) | ASPHALT | BRICK | CARDBOARD | CARPET | CLEAN WOOD & PALLETS | CONCRETE | DRYWALL | YARD TRIMMINGS | MIXED C&D WASTE | SCRAP METAL | LOAD TYPE |
|---|-----------------------|---------|-------|-----------|--------|-------------------------|----------|---------|-------------------|--------------------|-------------|--------------|
| VANCOUVER | | | | | | | | | | | | |
| Capital Salvage 1919 Triumph Street 604-253-8481 capitalsalvage.ca | ~ | | | | | | | | | | ~ | Both |
| Davis Trading and Supply Ltd. 1100 Grant Street 604-670-7870 davistrading.com | ~ | | | | | | | | | | ~ | Both |
| Emterra Environmental 955 West Kent Avenue 604-327-7647 www.emterra.ca | | | | ~ | | | | | | | | Both |
| Grandview Woodland Food Connection 1661 Napier St 604-718-5895 gwfoodconnection.com | | | | | | Cedar boards only | | | | | | Residencial |
| Lawnboy Enterprises Ltd. 8655 Cambie Street 604-322-8771 lawnboylandscape.com/page1.html | | ~ | ~ | | | | ~ | | | | | Both |
| North Star Metal Recycling 1170 Powell Street 604-254-2734 northstarmetalrecycling.com | ~ | | | | | | | | | | ~ | Both |
| Recycling Alternative 449 Industrial Avenue 604-874-7283 recyclingalternative.com | | | | ~ | ~ | ~ | | | | | ~ | Commercial |
| Regional Recycling 960 Evans Avenue 604-689-4722 regionalrecycling.ca/vancouver- recycling-depot/ | ~ | | | | | | | | | | ~ | Both |

| | APPLIANCES (LARGE) | ASPHALT | BRICK | CARDBOARD | CARPET | CLEAN WOOD & PALLETS | CONCRETE | DRYWALL | YARD TRIMMINGS | MIXED C&D WASTE | SCRAP METAL | LOAD TYPE |
|--|-----------------------|---------|-------|-----------|--------|-------------------------|----------|---------|--------------------------|--------------------|-------------|---------------------------------------|
| VANCOUVER | | | | | | | | | | | | |
| Revolution Resource Recovery Park 460 East Kent Avenue South 604-690-8005 aforceofnature.ca | | | | ~ | | ~ | | | ~ | ~ | ~ | Commercial |
| Vancouver South Transfer Station 377 West Kent Avenue North 604-873-7000 vancouver.ca/home-property- development/transfer-station.aspx | | | | | | ✔ Limits apply | | | Check accepted materials | | | Both *Restrictions apply |
| Vancouver Zero Waste Centre 8588 Yukon Street 604-873-7000 vancouver.ca/home-property- development/zero-waste-centre.aspx | ✔ Limits apply | | | ~ | | | | | | | ~ | Residential |

Directory – Service Providers

| COMPANY | DECONSTRUCTION APPRAISER | DECONSTRUCTION SERVICES | SALVAGE SERVICES | STRUCTURAL/HOUSE MOVING | USED BUILDING MATERIALS STORE | RESIDENTIAL OR COMMERCIAL | |
|---|-----------------------------|----------------------------|------------------|----------------------------|----------------------------------|------------------------------|---------------------------|
| 3R Demolition 5735 Beresford Street Burnaby 604-435-2555 3rdemolition.com | | ~ | ~ | | | Both | |
| 4W's Demo Ltd 110-12860 Clarke Pl Richmond 604-723-9155 4wsdemo.com | ~ | ~ | ~ | | | Both | Removes h |
| 604-Trash-it 8866 Hudson St Vancouver 604-872-7448 604-trash-it.com | | ~ | ~ | | | Both | |
| Able Auctions 19757 92A Avenue Langley 604-881-2253 ableauctions.ca | | | | | ~ | Both | Inventory o materials. |
| Allied Salvage & Metals (1985) Ltd. 11651 Twigg Place (Mitchell Island) Richmond 604-322-6629 alliedsalvagemetals.ca | | | ~ | | | Both | |
| Ancore Appraisals Inc. 9124 Queen Street Langley 778-926-0136 ancore.ca | ~ | | | | | Both | Provides e |
| Chapel Arts 304 Dunlevy Avenue Vancouver 604-682-1611 www.chapelarts.com/services | | | | | Reclaimed wood furniture | Both | Call first. N |

Table continues next page

COMMENTS hazardous materials (asbestos, lead, mold) y closeouts for all types of businesses including building s. Provide pick up and drop off. s estimate value of salvaged building materials. . May take donations of solid wood lumber, fencing.

| COMPANY | DECONSTRUCTION APPRAISER | DECONSTRUCTION SERVICES | SALVAGE SERVICES | STRUCTURAL/HOUSE MOVING | USED BUILDING MATERIALS STORE | RESIDENTIAL OR COMMERCIAL | |
|---|-----------------------------|----------------------------|------------------|----------------------------|----------------------------------|------------------------------|---|
| Green Coast Rubbish 604-230-4530 greencoastrubbish.com/junk- removal-services/demolition- deconstruction-services | | ~ | ~ | | | Both | |
| Habitat ReStore Langley 20104 Logan Avenue Langley 604-514-1223 habitatgv.ca | | | | | ~ | Both | Call first to pressure an (Minimum c |
| Habitat ReStore North Vancouver 340 Lynn Ave North Vancouver www.habitatgv.ca | | | | | ~ | Both | Call first to pressure an (Minimum c |
| J&S Custom Furniture Co. Unit 43 – 1640 East Kent Ave. south Vancouver 778-317-3027 jsreclaimedwood.com | | | ~ | | Reclaimed wood furniture | Both | Accept woo building tea |
| Jindal Appliances Limited 9463 120 Street Delta 604-581-8199 jindalappliances.com | | | Appliances Only | | Retail Store | Residential | Rebuild, res |
| Kare Environmental 9311 River Drive Richmond 604-232-9155 Ext 3 karegroupcanada.com | | ~ | | | | Both | |
| Keep it Green Recycling Ltd. Port Coquitlam 604-341-6495 keepitgreenrecycling.ca/services/ sustainable-lock-up/ | | | | | ~ | Both | To schedule keepitgreer based on tr Variety of m Not taking |
| Maple Ridge New & Used Building Materials 23332 River Road Maple Ridge 604-380-2111 mrnu.ca | | | ~ | | ~ | Both | Variety of m Not taking |

| COMMENTS |
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| |
| to organize pick up or drop off. Accept doors, windows, and non-pressure treated wood, lumber/trim n of 6' long with no nails or paint). |
| to organize pick up or drop off. Accept doors, windows, and non-pressure treated wood, lumber/trim n of 6' long with no nails or paint). |
| rood from character building demolitions, old barns, industrial tear-downs, unwanted pallets, and fallen logs. |
| resell and recycle used appliances. |
| |
| ule a drop-off or pick up email contactus@ eenrecycling.ca or fill online form. Drop-off charge a fee 1 truck size. |
| f materials available, household and building. g lumber. |
| f materials available, household and building. g lumber. |

| COMPANY | DECONSTRUCTION APPRAISER | DECONSTRUCTION SERVICES | SALVAGE SERVICES | STRUCTURAL/HOUSE MOVING | USED BUILDING MATERIALS STORE | RESIDENTIAL OR COMMERCIAL | |
|---|-----------------------------|----------------------------|------------------|----------------------------|----------------------------------|------------------------------|--|
| Nickel Brothers House Moving Ltd 1528 Broadway St Port Coquitlam 1-866-813-9430 nickelbros.com | | | | ~ | | Both | Call first to pressure an (Minimum c |
| Octiscapes 2756 Woodland Dr Vancouver 604-291-1255 octiscapes.com | | ~ | ~ | | | Both | |
| Pacific Blasting and Demolition 3183 Norland Avenue Burnaby 604-291-1255 pacificblasting.com/demolition/ | | ~ | ~ | | | Both | Also offers a |
| Phoenix Enterprises Ltd. 19429 54th Ave Surrey 604-594-0224 phoenixenterprisesItd.com | | ~ | | | ~ | Both | Also take as |
| Salvage Vancouver Woodworks & Wood Market 1278 E Hastings St Vancouver 778-952-3969 salvagevancouver.com | | ~ | ~ | | Reclaimed wood furniture | Both | Wood mark |
| Saskay Earth Exchange 2650 Pitt River Rd Port Coquitlam 778-801-1701 salvagevancouver.com | | | | | ~ | Both | Sand, Grave |
| Sea to Sky Removal Squamish 604-836-9258 https://www.seatoskyremoval.ca/ | | | ~ | | | Both | Services con Coquitlam, Vancouver, Also offer li reusable ma |
| Supreme House Movers Ltd. 25768 128th Avenue Maple Ridge 604-467-9885 supremehm.com | | | | ~ | | Both | |

| COMMENTS |
|--|
| o organize pick up or drop off. Accept doors, windows, and non-pressure treated wood, lumber/trim n of 6' long with no nails or paint). |
| |
| rs asbestos removal |
| asbestos and drywall. Call for details. |
| arket once per month or by appointment. |
| avel and Recycled Aggregates available for Purchase. |
| construction sites in Vancouver, Burnaby, Richmond, Port n, Coquitlam, Port Moody, Surrey, North Vancouver, West er, Lions Bay, Squamish and Whistler. |
| live loading and on-site source separation of recyclable and materials |
| |
| |

| COMPANY | DECONSTRUCTION APPRAISER | DECONSTRUCTION SERVICES | SALVAGE SERVICES | STRUCTURAL/HOUSE MOVING | USED BUILDING MATERIALS STORE | RESIDENTIAL OR COMMERCIAL | |
|---|-----------------------------|----------------------------|------------------|----------------------------|----------------------------------|------------------------------|--|
| Maple Ridge New & Used 23332 River Road Maple Ridge 604-380-2111 mrnu.ca | | ~ | ~ | | ~ | | Call first for building. N |
| T&T Demolition #27 - 22374 Lougheed Hwy Maple Ridge 604-465-7211 tandtdemolition.com | | ~ | ~ | | | | |
| The Barnhouse Company Unit 203-7426 Hedley Avenue Burnaby 778-231-0081 barnhouse.ca | | | | | ~ | Both | Accept woo confirm acc |
| Unbuilders 215-1610 Pandora St Vancouver 1-833-UNBUILT unbuilders.com | | ~ | ~ | | | Both | |
| Urban Repurpose 440 Brooksbank Ave North Vancouver 604-990-5576 urbanrepurpose.ca | | | | | ~ | Both | Call first. Ta carpet. Dro available sp |
| Vema Deconstruction 571 West 57th Avenue Vancouver 604-8167-186 vemadeconstruction.com | | ~ | | | | | |
| Western Reclaimed Timber 26324 River Rd Maple Ridge 604-462-8845 westernreclaimed.com | | ~ | ~ | | ~ | Commercial | Specializes |
| Wood Shop Workers Coop 1245 Glen Drive Vancouver 604-336-7467 woodshop.coop | | | | | Reclaimed wood furniture | Both | Call first. Ad such as 2x4 Don't take like wood n |

| COMMENTS |
|--|
| for details. Variety of materials available, household and Not taking lumber. |
| |
| rood from barns and heritage homes. Call in advance to acceptance of material. |
| |
| Take donations of clean and old weathered wood, brick, and prop offs, only during operation hours. Drop offs are limited by space, or safety concerns. Pick-up service available. |
| |
| es in reclaimed timber and lumber. |
| Accept solid wood lumber, fencing, demolition materials x4, 1x4, rounds, and milled slabs on a case by case basis. e particle board, pegboard, laminate, or other made to look d materials. |
| |

