## 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

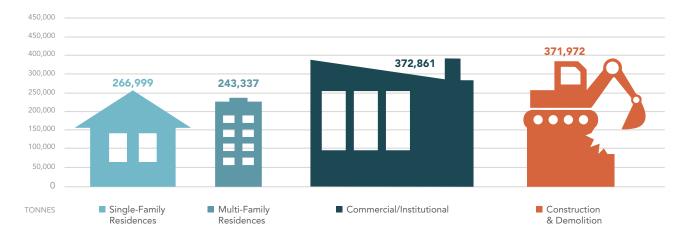
Thank you for using Metro Vancouver's Construction and Demolition (C&D) Waste Reduction and Recycling Toolkit.

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 Vancouver<sup>1</sup>.

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

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 old<sup>3</sup>.

In a typical home deconstruction, up to 25% of materials can be reused and up to 70% of materials can be recycled<sup>4</sup>.

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 Requirements<sup>5</sup>. 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 disassembly<sup>6</sup>.

<sup>5</sup> Occupational Health and Safety Regulation

<sup>6</sup> 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, <b>pesticides</b> , 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 home<sup>7</sup>.

<sup>7</sup> 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.

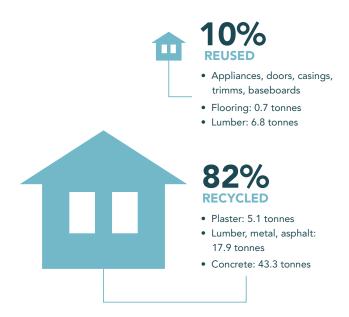
**Building type:** Single-Family House **Square footage:** 1,760 **Location:** City of Vancouver

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 <sup>8</sup>	-\$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.

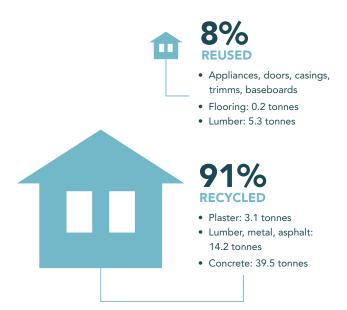
Reclaimed lumber from this project was sold to Western Reclaimed and Heritage Lumber.

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

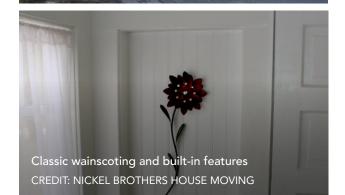
This tudor-style home was built alongside its twin in 1931. Named the "Twin Dorothies," the homes were named after the wives' of the original developers. It was scheduled for demolition in 2013 to make room for two new 4,500 sq. ft. homes. Neighboring residents raised concerns with this choice and led 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



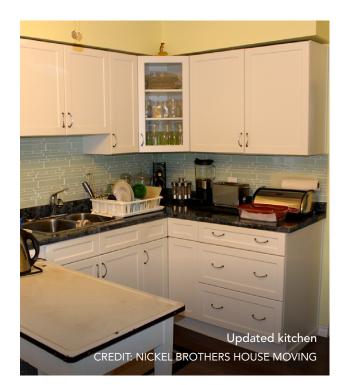


### Cost Comparison

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

## New Construction Cost Savings

Cost	\$155,000 <sup>10</sup>	\$220,000- \$550,000 <sup>11</sup>
Total savings	\$65,000 - \$395,00	00



<sup>9</sup> City of Vancouver, Demolition Permit with Recycling Requirements

<sup>10</sup> 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)

<sup>11</sup> 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	<b>Existing vegetation:</b> Shrubs, small trees, plants, and sod. <b>Landclearing debris:</b> 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%.

<sup>12</sup> 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. <b>Estimate Waste and Recyclables</b> 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.	<ul> <li>Hauling services</li> <li>Hire a hauler to provide the bins, collection schedule, and services you require.</li> <li>Some haulers also offer live loading and on-site source separation of recyclable materials and reusable items.</li> <li>Self-haul</li> <li>Using company staff and trucks to collect and haul recyclables works best for smaller sites.</li> </ul>	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.	<ul> <li>Monitor Progress</li> <li>Monitor waste management activities on an ongoing basis to ensure materials are salvaged, recycled and disposed of as specified in the waste management plan.</li> <li>Evaluate your project</li> <li>Ask your demolition, deconstruction or salvage contractor to provide you with the following information to track the volumes and cost of your project:</li> <li>Type and quantity of materials salvaged, recycled and disposed.</li> <li>The name and location of the recycling and disposal facilities.</li> <li>Copies of receipts from recycling and disposal facilities and credits from material sales.</li> </ul>



### 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

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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

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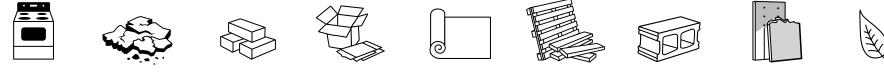
## Directory

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												
<b>Canadian Mattress Recycling</b> 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	~	<b>Both</b> *Restrictions apply
<b>Mikes Marine Services</b> 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
<b>Macs Traders Inc.</b> 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
<b>Urban Impact</b> 5 Capilano Way 604-273-0089 urbanimpact.com				~								
NORTH VANCOUVER												
<b>B.A. Blacktop Ltd.</b> No 6 Riverside Drive - Plant 604-929-7974 bablacktop.com		~	~				<b>↓</b> 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
<b>PAC Recycling</b> 130-2351 No 6 Rd 604-314-2277 <b>pacrecycling.ca</b>					~							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
<b>Bright Sky Disposal Ltd.</b> 12857 - 116 Avenue 778-395-8800		~	~			<b>↓</b> 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												
<b>Great West Disposal</b> 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
<b>Rypac Metal Recycling Ltd.</b> 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
<b>Topco Pallet Recycling Ltd.</b> 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			<b>Both</b> *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	
<b>3R Demolition</b> 5735 Beresford Street Burnaby 604-435-2555 <b>3rdemolition.com</b>		~	~			Both	
<b>4W's Demo Ltd</b> 110-12860 Clarke Pl Richmond 604-723-9155 <b>4wsdemo.com</b>	~	~	~			Both	Removes h
<b>604-Trash-it</b> 8866 Hudson St Vancouver 604-872-7448 <b>604-trash-it.com</b>		~	~			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
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
<b>T&amp;T Demolition</b> #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
<b>Unbuilders</b> 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.

