



Skeena Residence, UBC Okanagan Campus



Credit Guidance

Materials and Resources

Prerequisite:
Storage and Collection of Recyclables

CAMPUS	MANDATORY	PRIORITY	AVAILABLE
Vancouver			Required
Okanagan			

REQUIREMENTS

All projects must comply as per the requirements of the LEED BD+C v4.1 Reference Guide.

VANCOUVER RESOURCES

[Recycling Infrastructure Guidelines for UBC Buildings](#)

[UBC Recycling Programs including batteries, e-waste and light bulbs](#)

[Zero Waste Action Plan \(2014\)](#)

[UBC Technical Guidelines: Section 11 82 00 Waste Handling Equipment](#)

VANCOUVER GUIDANCE

Teams are required to consult the Recycling Infrastructure Guidelines for UBC Buildings to ensure waste stream receptacles are sized and placed as required. Campus collection strategies are in place for mercury containing lamps, batteries, and electronic waste through UBC Risk Management and UBC Building Operations. Refer to the UBC Technical Guidelines - Vancouver Campus Section 11 82 00 Waste Handling Equipment for waste storage and enclosure details.

OKANAGAN RESOURCES

[Recycling Infrastructure Guidelines for UBC Buildings](#)

[UBC Okanagan Waste & Recycling Programs \(all\)](#)

[E- Waste and Battery Recycling](#)

[UBC Technical Guidelines: Section 11 82 00 Waste Handling Equipment](#)

OKANAGAN GUIDANCE

Teams are required to follow the Recycling Infrastructure Guidelines for UBC Buildings to ensure waste storage and space provisions are met. Campus collection for small and large e-waste are provided by Health, Safety and Environment and Facilities Management. Note that academic projects on the Okanagan campus are required to include pink e-waste collection tubes for removal of battery e-waste. Refer to the UBC Technical Guidelines: Section 11 82 00 Waste Handling Equipment for waste storage and enclosure details. Project teams are encouraged to confirm the design strategy early and liaise with the Campus Planning and Facilities Management office for campus specific direction.

MR Credit:
Building Life Cycle Impact Reduction

CAMPUS	MANDATORY	PRIORITY	AVAILABLE
Vancouver	3	2	5
Okanagan	3	2	

REQUIREMENTS

All projects must comply as per the requirements of the LEED BD+C v4.1 Reference Guide, by applying Option 2 – Path 3: Whole-Building Life-Cycle Assessment to earn at least three points. Where applicable projects are encouraged to pursue Path 4. Projects should follow the UBC Whole Building Life Cycle Assessment Guidelines included in Appendix I.

Major renovations may comply by applying Option 1 – Building and Material Reuse to earn up to 5 points. If materials forming part of the building envelope are proposed to be reused, project teams should contact UBC Building Operations to understand any maintenance implications.

RESOURCES

[Appendix A – UBC Integrated Sustainability Process](#)

[Appendix I – UBC Whole Building Life Cycle Assessment Guidelines](#)

[UBC Embodied Carbon Pilot – Study of whole building life cycle assessment process at UBC \(June 2021\)](#)

GUIDANCE

Project teams are encouraged to identify a specialist within the existing project team or a specialist consultant, to facilitate the LCA early in the design process and align this effort with the Integrative Process credit as applicable.

Projects should follow the UBC Whole Building Life Cycle Assessment Guidelines and the UBC LCA Step by Step guidance document included in Appendix I. An early LCA study is required before the Development Permit application, to help inform low carbon design, and a final LCA is required prior to occupancy to evaluate the final design.

MR Credit:
Building Product Disclosure and Optimization (BPDO) – Environmental Product Declarations

CAMPUS	MANDATORY	PRIORITY	AVAILABLE
Vancouver	1	1	2
Okanagan	1	1	

REQUIREMENTS

All projects must comply as per the requirements of the LEED BD+C v4.1 Reference Guide, to earn at least one point. Teams are encouraged to pursue an additional point.

RESOURCES

[USGBC BPDO Calculator](#)

[International Standard Organization](#)

[UBC Green Building Action Plan, Materials & Resources](#)

GUIDANCE

UBC has prioritized materials that are third party certified for optimized life cycle impact as part of the Green Building Action Plan.

Project teams should carefully consider material attributes early in the design process and are encouraged to contact manufacturers and suppliers to request information and verification documentation for both attributes required by Option 1 and Option 2 where it is not already available, to help advocate for transparent and verified material attribute reporting.

MR Credit:
Building Product Disclosure and Optimization (BPDO) – Sourcing of Raw Materials

CAMPUS	MANDATORY	PRIORITY	AVAILABLE
Vancouver	1	1	2
Okanagan	1	1	

REQUIREMENTS

All projects must comply as per the requirements of the LEED BD+C v4.1 Reference Guide, to earn at least one point. Teams are encouraged to pursue an additional point.

RESOURCES

- [FSC Canada](#)
- [Sustainable Agriculture Network](#)
- [The Rainforest Alliance](#)
- [UBC Technical Guidelines: Section 09 00 10 Finishes – General Requirements](#)
- [USGBC BPDO Calculator](#)
- [UBC Green Building Action Plan, Materials & Resources](#)

GUIDANCE

UBC has prioritized the following material qualities as part of the Technical Guidelines for Sustainability:

- Reused or salvaged materials or equipment
- Materials that are certified as having an optimized life cycle impact by a third party
- Materials with recycled and recyclable content
- Materials that are appropriately and responsibly sourced
- Bio-based materials
- Wood

Project teams should carefully consider material attributes early in the design process and are encouraged to contact manufacturers and suppliers to request information and verification documentation where it is not already available, to help advocate for transparent and verified material attribute reporting.



Earth Sciences Building, UBC Vancouver Campus

MR Credit:
Building Product Disclosure and Optimization (BPDO) – Material Ingredients

CAMPUS	MANDATORY	PRIORITY	AVAILABLE
Vancouver	1	1	2
Okanagan	1	1	

REQUIREMENTS

All projects must comply as per the requirements of the LEED BD+C v4.1 Reference Guide, to earn at least one point. Teams are encouraged to pursue an additional point.

RESOURCES

- [USGBC BPDO Calculator](#)
- [International Standards Organization](#)
- [UBC Green Building Action Plan, Materials & Resources](#)

GUIDANCE

Supporting and advocating for healthy building materials and transparency is high priority for UBC. Project teams are encouraged to contact suppliers and manufacturers of products to request required documentation where it is not already available, to help advocate for verified material ingredient and attribute reporting.

MR Credit:
Construction and Demolition Waste Management

CAMPUS	MANDATORY	PRIORITY	AVAILABLE
Vancouver	1	1	2
Okanagan	1	1	

REQUIREMENTS

All projects must comply as per the requirements of the LEED BD+C v4.1 Reference Guide, Option 1: Diversion to earn one point. While the credit will be earned by demonstrating 50% of waste diversion, the UBC Technical Requirements require a minimum of 75% waste diversion, and the UBC Green Building Action Plan sets a goal of 100% construction waste diversion by 2035.

Projects are encouraged to pursue compliance via Option 2: Waste Prevention for an additional point.

RESOURCES

- [UBC Technical Guidelines: Section 01 74 19 Construction Waste Management and Disposal \(Vancouver and Okanagan\)](#)
- [UBC Vancouver Waste Requirements for Green Buildings](#)
- [UBC Okanagan Waste Requirements for Green Buildings](#)
- [Zero Waste Action Plan \(2014\)](#)
- [UBC Green Building Action Plan, Materials & Resources](#)

GUIDANCE

Refer to the UBC Technical Guidelines and the UBC Waste Requirements for Green Buildings for direction on preparing a Construction Waste Management Plan. Project teams are advised to ensure the management plan includes a robust and regular ongoing reporting protocol during construction to support the most successful process and highest diversion rates.