



Building Excellence Research & Education Grants



The Building Excellence Research & Education Grants program continues to foster innovation and best practices to strengthen the housing sector. Since its inception, the program has awarded more than \$3.81 million in grants to industry and consumer organizations, education providers, and researchers. Each year, BC Housing receives a wide range of submissions and supports initiatives to expand knowledge and advance best practices. To date, the program has funded more than 119 new research and education projects. This includes innovative projects that improve the quality of residential construction and strengthen consumer protection for new home buyers. This year, BC Housing is distributing \$223,600 in grant funding. This report outlines the results of the 2023 application intake and the successful grant recipients.

Funded Projects 2023

Canadian Home Builders' Association of BC (CHBA BC)

\$30,000

Create an E-Learning course on managing liquid water risks from rainwater during construction and water intrusion in the building enclosure during building use.

University of Alberta

\$30,000

Conduct a study using computational fluid dynamics (CFD) to examine the effectiveness of existing ventilation systems in B.C. and propose optimal ventilation models for new homes, with a goal to ensure health and promote indoor air quality.

Public: Architecture + Communication

\$30,000

An examination of the proposed building code change to allow single-stair residential buildings up to 6 stories in Part 3 of the National Building Code.

HSR Zero Waste

\$30,000

Creation of an online Zero Waste

certification course for the construction industry.

Small Planet Supply Canada ULC

\$13,600

A study monitoring heat pumps located in parkades over a 12 month period to observe conditions and provide guidance on the suitability and safety of placing DHW system heat pumps in a parkade.

Southern Alberta Institute of Technology

\$30,000

A project to develop a building planning framework to evaluate multiple construction methods and materials based on sustainable parameters.

Fast + Epp

\$30,000

A project to create an Embodied Carbon (EC) Tool for calculating the EC of structural elements of a building, allowing designers to compare structural options more easily during design stages.

Morrison Hershfield

\$30,000

Develop high-performance window-to-wall transition details intended for use in larger low energy/low carbon buildings in all climate zones within BC to be added to the Building Envelope Thermal Bridging Guide.