CleanBC – Building Innovation Fund
Third Intake

Information Session
November 24, 2021

Agenda

- Background
  - CleanBC Roadmap to 2030
  - Other priorities

- Funding Streams
  - Material, Component and System Manufacturing
  - Digital Technology Solutions
  - Demonstration projects
  - Open Call for Innovations
  - *NEW* Information Sharing and Market Transformation

- Eligibility Requirements

- Evaluation Criteria

- Application Process

Program Overview

- Supports B.C. projects that accelerate the availability, acceptance and affordability of low-carbon energy efficiency solutions

- Supports a broad market transformation approach in the B.C. Building Industry
  - Stimulating development of new approaches and new solutions
  - Increasing capacity of B.C.-based industry
  - Generate consumer awareness and confidence
  - Lower the cost of new technologies and building approaches over time

Strategic Direction

- CleanBC commits the Province to ambitious greenhouse gas (GHG) reduction goals, while simultaneously supporting a vibrant economy across British Columbia:
  - Building code for new buildings to reach net-zero energy ready by 2032
  - A broad shift away from fossil fuels

- The CleanBC Roadmap to 2030 builds on these commitments:
  - All space and water heating equipment sold after 2030 will be ≥100% efficient
  - Zero-carbon new buildings by 2030
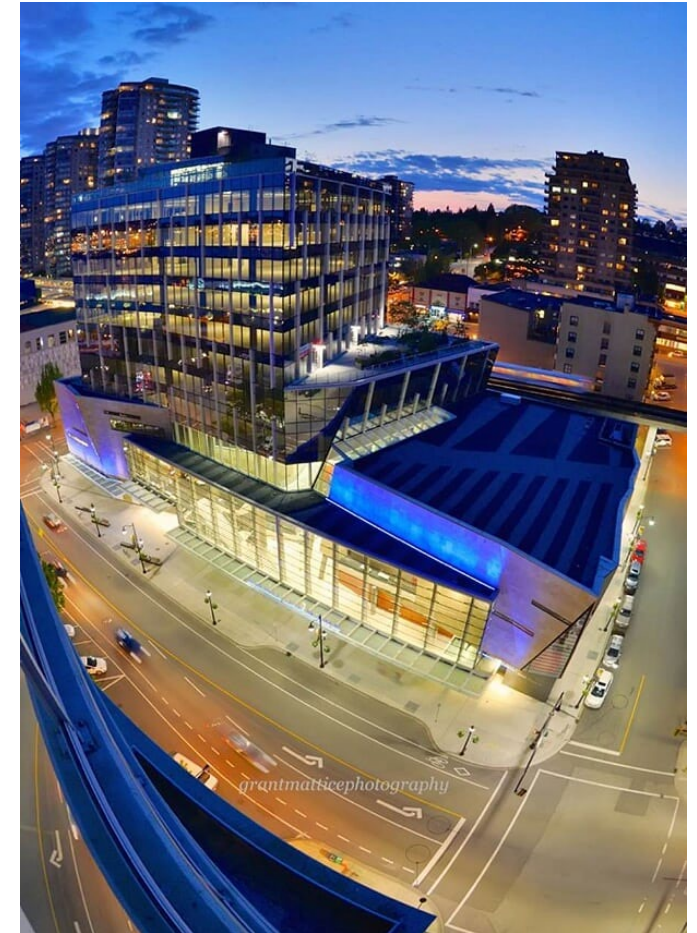 - Low Carbon Building Materials Strategy by 2023

Strategic Direction *continued*

- Sustainable Economy
  - Jobs created and retained
  - Increasing exports, reducing imports

- Inclusion and equity
  - Indigenous Reconciliation
  - Vulnerable and marginalized populations

- Quality of life
  - Health and wellness

Program Funding

- $5 million for 2021/2022

- Five funding Streams:
  - Material, Component and System Manufacturing
  - Digital Technology Solutions
  - Demonstration Projects
  - Open Call for Innovations
  - *NEW* Information Sharing and Market Transformation

- Program funding provides up to 60% - 100% of total eligible costs

Material, Component and System Manufacturing

Funding per applicant	Details
$500,000-$1,000,000 (up to 60% of total eligible costs)	Funding to support investment in manufacturing facilities to diversify and expand existing product lines or commercialize new product lines. May include purchase or production of manufacturing equipment and tools, process controls, robotics, production line modifications, engineering services and operator training related to new product lines. All applications for the manufacturing stream must be submitted by or partnered with an existing manufacturer.

- Example proposals:
  - A manufacturer plans a new assembly line for an air-to-water heat pump in B.C.
  - A manufacturer plans to develop and manufacture a new energy efficient pre-glazed, pre-fabricated wall panel product;
  - A manufacturer develops and implements a new digital solution for manufacturing processes
- Program funding provides up to 60% of total eligible costs

Digital Technology Solutions

Funding per applicant	Details
$500,000-$1,000,000 (up to 60% of total eligible costs)	Funding for technology development for new or improved digital solutions.

- Applications which relate exclusively to digital solutions should apply through this stream.

- Example proposals include:
    - Decision assistance tools;
    - Energy management systems;
    - Energy auditing systems;
    - Building information management systems;
    - Distributed energy resource management software;
    - Renewable integration; and
    - Smart grid software.

Demonstration Projects

Funding per applicant	Details
$500,000-$1,000,000 (up to 80% of eligible incremental costs; 100% of eligible incremental costs for HVAC projects)	Awards will help offset the incremental capital or operational costs of projects relative to industry standards. Does not include laboratory testing of products. • Includes the construction or renovation of a discrete building and the demonstration of innovative technologies/materials within that building. • **Must include robust plans for documentation, case studies, and public dissemination of information.** • Preference will be given to projects with multiple novel technologies or applications that align with the goals in the CleanBC Roadmap to 2030.

- Example proposals:
  - Highest efficiency HVAC retrofit, accompanied by robust information dissemination
  - Projects that uses novel or new-to-market technology
    - Active HRVs
    - Heat pumps with A2L refrigerants
    - Thin-triple windows
  - Novel Approaches to a deep energy retrofit
    - Pre-Fabricated Exterior Retrofit
    - Highly insulating opaque curtain walls

Open Call for Innovations

Funding per applicant	Details
$500,000-$1,000,000 (up to 60% of total eligible costs)	An open call for other types of activities not covered by other funding streams, including but not limited to research projects, product development, and product testing and certification.

- Example proposals:
  - Commercialization of an active heat recovery ventilator
  - An incentive program for certification for new high-performance products (low GWP heat pumps, high performance fenestration, low-emission high-efficiency hearth products etc.)
  - A program to support companies to design and test new energy efficient pre-glazed, pre-fabricated wall panels

Information Sharing and Market Transformation

Funding per applicant	Details
Up to $500,000	Funding for CBBIF (program-wide) information sharing and dissemination projects. Successful projects will have a broad outreach strategy that supports the market transformation objectives of the CBBIF. Working in conjunction with CBBIF recipients (both past and present), the recipient will develop, synthesize and disseminate a variety of information sharing materials (e.g., case studies, research reports, informational videos, etc.) and undertake related activities (e.g. workshops).

- Separate application process and evaluation criteria
- Contact program staff to learn more

Eligibility Requirements

- Eligible projects and programs are those that have a technology readiness level of 3 or higher, and advance innovation in building designs, construction practices, systems, materials, products, or technologies that:
  - are energy efficient,
  - currently reduce carbon emissions from building operations, and/or
  - have low embodied carbon.
- These may be for retrofit or new construction applications, including any building type.
- They must exceed current BC Building Code, federal Energy Efficiency Act and provincial Energy Efficiency Act requirements, if any, as well as standard industry practice.
- Projects and programs must be based in B.C.

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Eligibility Requirements *Cont.*

- Programs are initiatives in which the applicant will further distribute funding to a broader set of proponent
    - Applications for programs must include an overview of potential participants and program structure, an expected participation rate and an indication of market need.
    - Programs are typically awarded to industry associations or non-government organizations who distribute funding to multiple recipients.

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Eligible Applicants

- For-profit organizations registered in British Columbia (e.g. builders, developers and manufacturers).

- Not-for-profit organizations that have offices and/or are active in British Columbia (e.g. industry associations, societies).

- Public sector organizations, including post secondary institutions.

- British Columbia local governments, including municipalities and regional districts.

- First Nations governments and Indigenous organizations.

- Project partners may be out-of-province organizations

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Eligible Costs

- Eligible costs are defined as all direct costs properly and reasonably incurred and paid solely and specifically in relation to the project

- Ineligible Costs include:
  - PST and GST
  - Organizational overhead and administration costs that are un-related to project delivery
  - Existing staff costs within the applicant's organization that are unrelated to project implementation
  - Costs incurred prior to the signing of a agreement with the Province
  - Land and building acquisition
  - Legal costs

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Evaluation Criteria

Evaluation Criteria		
Alignment with the CleanBC Roadmap to 2030	Does the project advance the availability, acceptance and affordability of energy efficient and low-carbon building solutions, in alignment with the provincial strategies related to greenhouse gas emission reduction?	70 possible points (minimum 35 points to pass)
Economic Development, Equity, and Reconciliation	Does the project create or restore good long-term jobs, economic development opportunities, and other benefits to British Columbians, particularly for vulnerable or marginalized communities, and Indigenous peoples?	10 possible points
Organizational Capacity	Is the applicant able to complete the proposed work?	20 possible points (minimum 10 points to pass)

Application Process

- Applicants must complete and submit a CBBIF application form, along with supporting documentation to building.innovation@gov.bc.ca.
  - Mandatory supporting documents include: partnership letters (if applicable), Budget Template

- Application documents available on:
  - https://www2.gov.bc.ca/gov/content/industry/electricity-alternative-energy/energy-efficiency-conservation/programs/cleanbc-building-innovation-fund

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Shared Cost Arrangements (SCAs)

- Once notified, successful applicants will enter into a SCA with Province.

- Failure to meet the terms and conditions of the SCA may result in the repayment of funding to the program.

- Applicants should be prepared to enter into the SCA with no changes to the standard terms and conditions.

- Template agreements are available on the website

Milestone	Date
Call for proposals	Open Now
Proposal Deadline	January 10, 2022
Proponents Notified	~February 2022 (no later than March)
Funding Disbursed	Prior March 31, 2022

Questions?

Contact Information:

building.innovation@gov.bc.ca

Disclaimer: For program rules and guidelines, please refer to the latest Program Guide posted at https://www2.gov.bc.ca/gov/content/industry/electricity-alternative-energy/energy-efficiency-conservation/programs/cleanbc-building-innovation-fund