

Department of Natural Resources  
Office of Energy Research and Development

# **Green Infrastructure Phase II**

## **Energy Efficient Buildings RD&D Program**

### **2<sup>nd</sup> Call for Expressions of Interest**

#### EOI Applicants' Guide

January 2018

Ce document est aussi disponible en français. Veuillez envoyer un courriel à [NRCan.innovation.RNCan@Canada.ca](mailto:NRCan.innovation.RNCan@Canada.ca) en indiquant à la ligne Objet « Guide de démonstration » (sans les guillemets).



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# Table of Contents

- 1 Introduction and Program Background..... 3
  - 1.1 Introduction..... 3
  - 1.2 Program Background..... 3
- 2 Objective and Description ..... 3
  - 2.1 Objective..... 3
  - 2.2 Description..... 4
- 3 Scope for Expressions of Interest ..... 4
  - 3.1 Net-Zero Energy Ready Solutions for Multi-Unit Residential Buildings (MURBs) – (new construction or deep energy retrofit) ..... 4
  - 3.2 Highly Energy Efficient Commercial/Institutional Buildings..... 6
  - 3.3 Housing and Buildings Tools..... 7
  - 3.4 Provincial or Territorial Delivered Demonstration Program..... 8
  - 3.5 Net-Zero Energy Community Preliminary Design and/or Front-End Engineering Design (FEED) Study ..... 9
  - 3.6 Transformative Residential and Commercial Building Envelope Retrofit Solutions..... 10
  - 3.7 Outcomes ..... 11
- 4 Application Schedule and Process..... 11
  - 4.1 Application Schedule ..... 11
  - 4.2 Application Process ..... 11
    - 4.2.1 Register for an EOI Applicants’ Package ..... 12
    - 4.2.2 Submitting an EOI..... 12
    - 4.2.3 EOI Review, Selection, and Notification..... 13
    - 4.2.4 Submitting a Project Proposal..... 13
    - 4.2.5 Proposal Review, Selection, and Notification ..... 13
  - 4.3 Supporting Documents and Requests for Supplementary Information ..... 13
  - 4.4 Program Inquiries..... 14
- 5 Project Types and Funding Conditions..... 14
- 6 Eligible Recipients..... 15
- 7 Selection Criteria..... 15
  - 7.1 Selection Criteria – EOIs..... 15
  - 7.2 Selection Criteria – Project Proposals ..... 15
  - 7.3 Other Criteria ..... 16
- 8 Appendix 1: EOI Template ..... 17

# 1 Introduction and Program Background

## 1.1 Introduction

This document describes the unique features for the Green Infrastructure Phase II - Energy Efficient Buildings RD&D Program 2<sup>nd</sup> Call for Expressions of Interest (EOIs) open from January 24, 2018 to February 21, 2018 23:59pm EST. For general program features, please see the Innovation and Clean Growth Applicants' Guide to the Terms and Conditions at <https://www.nrcan.gc.ca/energy/science/programs-funding/eip/20024>.

## 1.2 Program Background

A clean environment and a strong economy go hand-in-hand. To advance Canada's efforts to build a clean economy, Budget 2017 proposed investments in green infrastructure, including initiatives that will support the implementation of the Pan-Canadian Framework on Clean Growth and Climate Change.

Among other measures, the [Pan-Canadian Framework on Clean Growth and Climate Change](#) calls for improving the energy efficiency of new construction through the development and adoption of increasingly stringent model building codes, starting in 2020, with the goal that provinces and territories adopt a 'net-zero energy ready' building code by 2030. Similarly, federal, provincial and territorial governments will work to develop a model code for existing buildings by 2022, for its subsequent adoption by authorities having jurisdiction.

The Government of Canada is investing \$182-million to increase energy efficiency and address climate change by improving how our homes and buildings are designed, renovated, and constructed. This includes up to \$48.4M over eight years from April 1, 2018 to March 31, 2026 to support **research, development and demonstration projects** that can:

- accelerate the development and adoption of these codes and necessary technologies,
- promote highly energy efficient building design and construction practices,
- provide more cost effective building solutions, and validate their applications locally with real-world demonstrations,
- build confidence with industry and PTs to accelerate their adoption of revised building codes.

# 2 Objective and Description

## 2.1 Objective

RD&D projects under this Program will accelerate the deployment of very high efficiency homes and buildings in Canada in order to support the development and adoption of the model national net-zero energy ready building codes by 2030 and the energy code requirements for existing buildings by 2022. Projects under this Program should target driving down the cost and create market confidence in net-zero energy ready construction.

## 2.2 Description

The built environment, consisting of residential, commercial and institutional buildings, accounts for 17% of Canada's total GHG emissions as a percentage of total primary energy use. This includes 12% of direct emissions attributed to the buildings sector, and another 5% attributed to electricity use by buildings. Reducing GHG emissions in the buildings sector requires ongoing innovation in the design, construction and operation and increased availability of affordable, higher efficiency homes and buildings. Achieving affordable net-zero energy ready performance levels and cost-effective deep energy retrofits requires development and deployment of highly efficient technologies and equipment, as well as a concerted focus on the building envelope.

## 3 Scope for Expressions of Interest

The Program seeks innovative projects that can demonstrate the integration of multiple cost-effective solutions and inform the development and adoption of model national net-zero energy ready building codes and the energy code for existing homes and buildings. Program funding is available under this 2<sup>nd</sup> call from April 1, 2018 to March 31, 2022, for research, development or demonstration projects (or may include a Front-end engineering design study) under one of the six following strategic Priority Areas:

### 3.1 Net-Zero Energy Ready Solutions for Multi-Unit Residential Buildings (MURBs) – (New construction or deep energy retrofit)

This component targets barriers to achieving net-zero energy ready low-rise MURBs (3 storeys or less) by funding single-building **demonstration projects** (starting TRL<sup>1</sup>: at least 6). Projects **must showcase** how to use and integrate multiple key technologies, **including at least one** of the following: electric heat pumps, gas-fired heat pumps, advanced windows, advanced high-performance envelopes, dual-fuel systems, CHP, geothermal systems, BIPV/BIPV-T, solutions to thermal bridging. Preference may be given to projects with multiple key technologies.

Mandatory criteria:

- EOI **must** focus on single building demonstration(s) of a low-rise MURB (3 storeys or less, see definition and exclusions below).
- EOI **must** target the following performance levels:
  - For new buildings: net-zero energy, net-zero energy ready, or Passive House.
  - For existing buildings: deep energy retrofits achieving 40% or greater reduction in whole-building energy consumption.
- EOI **must** demonstrate it provides solutions that are affordable:
  - For new buildings: less than 15% incremental costs over current code with 10-year payback or better.
  - For existing buildings: less than 25% incremental costs over current code, or 20-year payback period or better.

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<sup>1</sup> For definitions of Technology Readiness Levels (TRL) see section 7 of the Innovation and Clean Growth Applicants' Guide to the Terms and Conditions at: <https://www.nrcan.gc.ca/energy/science/programs-funding/eip/20024>.

- EOI **must** provide a model that is highly replicable in their climate zone.
- Project knowledge dissemination plan **must** provide for sharing valuable technical or techno-economic data (such as a comparative costing analysis to building at local building code) to inform NRCan as well as local authorities, in addition to dissemination of non confidential information targeting the public and/or key stakeholders.

Preference will be given to projects that can demonstrate one or more of the following additional criteria:

- Provide a business case for the proposed net-zero energy ready step codes, or codes for existing buildings.
- Provide a comparative analysis to buildings meeting current code requirements in their region.
- Showcase significant differences over existing local high-performance buildings.
- Showcase improved construction techniques.
- Include post-project monitoring and reporting.
- Include a strong knowledge dissemination plan.
- Reduce costs of included technologies.

**Definition:**

Multi-Unit Residential Building (MURB): A building comprised of a common entrance and separate units that are also known as apartments constructed for dwelling purposes. Multi-Unit Residential Buildings must have one primary exterior door access, with each of the apartments connected by an interior door. All of the units must connect to each other (or a central corridor) by some interior door for purposes of a blower door test.<sup>2</sup>

**Exclusions:**

The following are excluded (i.e. not eligible) from Priority Area 3.1:

- Low-rise, low-density housing, such as detached, semi-detached, attached, and row homes.
- Net-Zero communities (net-zero energy, net-zero energy ready, or Passive House performance target, or deep energy reduction target must apply to each building demo, not across multiple buildings).
- Single product or equipment development, demonstration, or testing.
- R&D projects (TRL of 5 or less)

Project Type Eligible for Net-Zero Energy Ready Solutions for High Density Housing Priority area	Program Funding Request*	
	Minimum	Maximum
<b>Demonstrations (TRL: 6 to 9)</b>	\$250,000	\$2.5M

\*Funding is available only for a portion of the incremental costs of building at higher energy efficiency level compared to building at code requirements

<sup>2</sup> MURB definition: <http://bomacanada.ca/bomabest/resourcesupdates/buildingdefinitions/>

## 3.2 Highly Energy Efficient Commercial/Institutional Buildings (New construction or deep energy retrofit)

This component targets barriers to achieving net-zero energy ready performance in **new or existing** commercial or institutional buildings, or high-rise MURBs (greater than 3 storeys), by funding single-building **demonstration projects** (starting TRL: at least 6).

Projects must showcase how to use and integrate multiple key technologies, including at least one of the following: electric heat pumps, gas-fired heat pumps, advanced windows, advanced high-performance envelopes, dual-fuel systems, CHP, geothermal systems, BIPV/BIPV-T, solutions to thermal bridging. Preference may be given to projects with multiple key technologies.

Mandatory criteria:

- EOI **must** focus on single building demonstration(s) of a targeted commercial or institutional building or high-rise MURB (see preferred building types and exclusions below).
- EOI **must** target the following performance levels:
  - For new buildings: net-zero energy, net-zero energy ready, or Passive House.
  - For existing buildings: deep energy retrofits achieving 40% or greater reduction in whole-building energy consumption.
- EOI **must** demonstrate it provides solutions that are affordable:
  - For new buildings: less than 15% incremental costs over current code with 10-year payback or better.
  - For existing buildings: less than 25% incremental costs over current code, or 20-year payback period or better.
- EOI **must** provide a model that is replicable in their climate zone.
- Project knowledge dissemination plan **must** provide for sharing valuable technical or techno-economic data (such as a comparative costing analysis to building at local building code) to inform NRCan as well as local authorities, in addition to dissemination of non confidential information targeting the public and/or key stakeholders.

Preference will be given to projects targeting the following building types: commercial office buildings, Mixed use MURB (office + residential), educational (e.g. but not limited to: k-12, colleges, and universities).

Preference will be given to projects that can demonstrate one or more of the following additional criteria:

- Provide a business case for the proposed net-zero energy ready step codes, or codes for existing buildings.
- Provide a comparative analysis to buildings meeting current code requirements in their region.
- Showcase significant differences over existing local high-performance buildings.
- Showcase improved construction techniques.
- Include post-project monitoring and reporting.
- Include a strong knowledge dissemination plan.
- Reduce costs of included technologies.

## Definition:

Multi-Unit Residential Building (MURB): A building comprised of a common entrance and separate units that are also known as apartments constructed for dwelling purposes. Multi-Unit Residential Buildings must have one primary exterior door access, with each of the apartments connected by an interior door. All of the units must connect to each other (or a central corridor) by some interior door for purposes of a blower door test.<sup>3</sup>

## Exclusions:

The following are excluded (i.e. not eligible) from this Priority Area 3.2:

- Net-Zero communities (net-zero energy, net-zero energy ready, or Passive House performance target, or deep energy reduction target must apply to each building demo, not across multiple buildings).
- Light or heavy industrial buildings, agricultural buildings (e.g. farm)
- Medical office buildings, university/college campuses, living laboratories, public services buildings.
- Single product or equipment development, demonstration, or testing.
- R&D projects (starting TRL: 5 or less).

Project Type for Highly Energy Efficient Commercial/Institutional Buildings Priority Area	Program Funding Request*	
	Minimum	Maximum
<b>Demonstrations (TRL: 6 to 9)</b>	\$250,000	\$3.5M

\*Funding is available only for a portion of the incremental costs of building at higher energy efficiency level compared to building at code requirements.

## 3.3 Housing and Buildings Tools

This component targets barriers to achieving high efficiency buildings by funding **R&D** (starting TRL: at least 4) **and/or demonstration projects** (starting TRL: at least 6) showcasing software tools or systems aligned with one or more of the following topic areas:

- Innovative modelling tools for building design that will aid the development and adoption of net-zero energy ready codes by demonstrating the benefits or value of building to higher performance levels.
- Performing ongoing commissioning and/or recommissioning of building controls, energy systems, and/or building mechanical systems to reduce whole-building energy consumption.
- Monitoring the energy performance of large commercial or institutional buildings, and produce actionable information for building owners and operators to reduce whole-building energy consumption.
- Design, cost, and/or performance optimization or modelling tools to support meeting net-zero energy ready code performance levels.

<sup>3</sup> MURB definition: <http://bomacanada.ca/bomabest/resourcesupdates/buildingdefinitions/>

### Exclusions:

The following are excluded (not eligible) from this Priority Area 3.3:

- Development, demonstration, or testing of building mechanical equipment or system components.
- Tools for low-density residential buildings or homeowners.
- Community-scale tools (tools must have a single-building focus).

Project Type for Housing and Buildings Tools Priority Area	Program Funding Request	
	Minimum	Maximum
<b>Research, development (TRL 4 to 9)</b>	\$250,000	\$750,000
<b>Demonstration (TRL 6 to 9)</b>	\$250,000	\$750,000

### 3.4 Provincial or Territorial Delivered Demonstration Program

This component targets barriers to achieving net-zero energy ready performance in new or existing residential, commercial or institutional buildings, by funding a **provincially or territorially led technology demonstration program** to support local demonstration projects (starting TRL: at least 6).

The proposed program **must** finance the design and/or construction of multiple high-energy efficiency performance houses or buildings using a novel mix of technology, using a whole building solution approach, and report information to demonstrate the cost-effectiveness of the proposed solutions with actual data at project completion.

The provincial or territorial government **must provide a minimum program co-funding of 50%**. Program funding requested must be used only to cover a portion of the incremental costs of building at higher energy efficiency level compared to building at local code requirements. Preference may be given to programs that target multiple high-efficiency building types, across multiple local climate zones.

Under this Priority Area 3.4, the EOI **must** demonstrate the proposed program's ability to:

- Provide financial support to local demonstration projects to support GHG reductions in the built environment; or validate the cost-effectiveness of achieving high energy efficiency performance through the integration of a novel suite of technologies;
- Promote greater market penetration of technologies resulting in improved affordability;
- Leverage Canada's investment by at least 3:1.

### Exclusions:

The following are excluded (not eligible) from this Priority Area 3.4:

- Deployment projects and equipment incentive programs are not eligible.

Project Type for Provincial or Territorial Delivered Demonstration Program Priority Area	Program Funding Request	
	Minimum	Maximum
<b>Demonstration (TRL 6 to 9)</b>	\$250,000	\$5M

### 3.5 Net-Zero Energy Community Preliminary Design and/or Front-End Engineering Design (FEED) Study

This component targets barriers to achieving net-zero energy at the community scale by co-funding design charrettes, pre-feasibility studies, and Front-End Engineering Design (FEED) studies to determine the cost-effectiveness of different net-zero energy community designs. Projects eligible under this priority area **must target** an individual building performance level that is, at a minimum, greater than 40% of 2015 model national codes. Program funding is available to cover up to 50% of the costs of the study.

Mandatory criteria

EOI **must clearly** assess or demonstrate the following:

- Opportunities for reductions in the incremental cost to build to higher-than-code performance levels through community-scale planning and design.
- Financial impact of integrating advanced technology solutions.
- Expected gains in energy efficiency, and greenhouse gas reductions.
- Projects must target a performance standard for individual buildings greater than 40% of 2015 model national codes.
- Project knowledge dissemination plan **must** provide for sharing valuable technical or techno-economic data (such as a comparative costing analysis to building at local building code) to inform NRCan as well as local authorities, in addition to dissemination of non confidential information targeting the public and/or key stakeholders.

Preference will be given to the following:

- Projects that have a planned demonstration/construction project pending positive results of the FEED study.
- Projects that include a strong knowledge dissemination plan.

Project Type for Net-Zero Energy Community Preliminary Design and/or Front-End Engineering Design (FEED) Study Priority Area	Program Funding Request	
	Minimum	Maximum
<b>Design Charrettes, pre-feasibility study, FEED Study</b>	\$50,000	\$750,000

### 3.6 Transformative Residential and Commercial Building Envelope Retrofit Solutions

As about 75% of the building stock in 2030 is already standing, the Program seeks to transform the existing built environment to a lower carbon economy by demonstrating the use of emerging or advanced technologies and practices targeting the most expensive and enduring component of buildings: the building envelope. This component targets barriers to achieving substantial energy reductions in existing residential and commercial buildings by funding **demonstration projects** (starting TRL: at least 6) showcasing novel, cost-effective, and replicable building envelope retrofit solutions that can inform the development of codes for existing buildings. Solutions **must** focus on advanced building envelope materials, concepts and technologies, including the building insulation and fenestration, or advanced construction techniques such as prefabrication.

Mandatory criteria:

- EOI **must** focus on solutions that are applied across multiple building units to achieve economies of scale.
- EOI **must** target solutions achieving 30% or greater reduction in whole-building energy consumption.
- EOI **must** demonstrate solutions that are replicable in their climate zone.
- Project **must** assess cost reductions associated with the proposed solutions.
- Project **must** knowledge dissemination plan **must** provide for sharing valuable technical or techno-economic data (such as a comparative costing analysis to building at local building code) to inform NRCan as well as local authorities, in addition to dissemination of non confidential information targeting the public and/or key stakeholders.

Preference will be given to projects that can demonstrate one or more of the following additional criteria:

- Provide a business case for the proposed codes for existing buildings.
- Showcase improved construction techniques.
- Include post-project monitoring and reporting.
- Include a strong knowledge dissemination plan.
- Reduce costs of targeted building envelope technologies.

#### Exclusions:

The following are excluded (not eligible) from this Priority Area 3.6:

- Projects eligible for local (Provincial, territorial, municipal, utility) retrofit incentive programs.

Project Type for Transformative Residential and Commercial Building Retrofit Solutions Priority Area	Program Funding Request	
	Minimum	Maximum
<b>Demonstration (TRL: 6 to 9)</b>	\$250,000	\$2.5M

### 3.7 Outcomes

The Energy Efficient Buildings Research, Development & Demonstration Program is expected to contribute to:

- Supporting the energy efficient building strategy that aims at reducing GHG emissions by 5.6 megatonnes (Mt) annually relative to 2005 levels by 2030, with significant additional potential once technologies are replicated and codes are adopted nationally;
- Providing all jurisdictions in Canada with the evidence, knowledge or foundational tools needed to ensure that all new buildings constructed beyond 2030 are net-zero energy ready;
- Providing federal, provincial and territorial governments with information that can support development and adoption of new building codes;
- Providing financial support to RD&D projects across Canada to support GHG reductions in the built environment;
- Promoting greater market penetration of technologies resulting in improved affordability; and
- Leveraging Canada's investment by at least 1:1 through demonstrations.

## 4 Application Schedule and Process

### 4.1 Application Schedule

The following is the anticipated schedule for the application and review process:

<b>Due date for submission of 2<sup>nd</sup> Call EOIs</b>	<b>February 21, 2018, 23:59 EST</b>
EOI Selection Complete	March 2018 (Estimate)
<b>Due date for submission of 2<sup>nd</sup> Call Project Proposals</b>	<b>May 3, 2018 23:59 EST</b>
Project selection complete	Summer 2018 (estimate)
Due diligence process	Fall 2018-Winter 2019 (estimate)
Negotiation and signing of contribution agreements	Fall 2018-Winter 2019 (estimate)

The above schedule is subject to change. Any changes will be communicated to applicants via the e-mail addresses provided during the registration to receive an EOI Applicants' Package, as well as updated on the Energy Efficient Buildings RD&D Program website.

### 4.2 Application Process

This Expression of Interest Applicants' Guide (EOI Applicants' Guide) outlines the application process for submissions of EOIs for projects to be funded under the Energy Efficient Buildings RD&D Program. It explains how the Department of Natural Resources (NRCan) will review, in a

consistent, fair, and transparent manner, EOIs submitted under the Energy Efficient Buildings RD&D Program in order to identify a list of projects that best fit with the Program's objectives. Applicants must register on the Energy Efficient Buildings RD&D Program website at <https://www.nrcan.gc.ca/energy/science/programs-funding/19787> in order to receive the necessary documents and to be added to the electronic mailing list for Program updates.

The application review and selection will be a seven-step process:

- (1) Register to receive an EOI Applicants' Package;
- (2) Submitting an EOI;
- (3) EOI review, selection, and applicant notification;
- (4) Submitting a full project proposal;
- (5) Proposal review, selection, and applicant notification;
- (6) Review of successful projects through a due diligence process; and
- (7) Entering into a contribution agreement acceptable to NRCan.

This guide describes in detail steps 1-3 of the application process. Further information on subsequent steps will be provided to successful applicants following the EOI review and selection phase.

#### **4.2.1 Register for an EOI Applicants' Package**

In order to receive a copy of the EOI Applicants' Package, applicants will be required to register via the Energy Efficient Buildings RD&D Program website, providing your name, phone number, and email address. If you have received this EOI Applicants' Package through another mechanism, please subsequently register yourself to avoid missing any important Program updates.

#### **4.2.2 Submitting an EOI**

EOIs must be submitted by providing a complete set of documents including any signatures required as described in the EOI Template. Incomplete documents will not be considered. Printed and mailed versions of the materials will be accepted, but electronic versions are preferred.

An applicant may provide supporting material for any aspect of the EOI. Applicants are required to submit A SINGLE COPY of the required documents by the Due Date for submission of EOIs listed in Section 4.1. It is the applicant's responsibility to retain proof of the time that the documentation package was sent to NRCan. This may be required in the event that NRCan does not receive the documentation package by the deadline for reasons that are beyond the control of the sender.

NRCan recognizes that e-mail is not a secure means of communication, and NRCan cannot guarantee the security of confidential information sent via e-mail while it is in transit. Nonetheless, applicants who regularly use e-mail to communicate confidential information within their own organizations may choose to submit their documentation packages by e-mail to: [NRCan.innovation.RNCan@Canada.ca](mailto:NRCan.innovation.RNCan@Canada.ca). Applicants should indicate "Energy Efficient Buildings RD&D Program 2<sup>nd</sup> Call EOI Submission" in the subject line of their email.

Applicants may also submit their documentation by courier or registered mail to:

Energy Efficient Buildings RD&D Program  
Office of Energy Research and Development  
Natural Resources Canada  
580 Booth St., 14<sup>th</sup> floor  
Ottawa, ON K1A 0E4

Where applicants submit A SINGLE COPY of the required files by courier or registered mail, we request that A SINGLE COPY of the required files in an electronic version on a memory stick be included in the package, clearly marked with the name of the organization and the title of the project. If you are submitting by courier, it is recommended that you inform us by e-mail that you are doing so.

#### **4.2.3 EOI Review, Selection, and Notification**

Following the EOI submission due date, EOIs will be evaluated and ranked according to the criteria outlined in Section 7 of this document. The Energy Efficient Buildings RD&D Program may reallocate EOIs to another Green Infrastructure Phase II program, at its sole discretion, if an EOI is deemed to better suit that program.

Both successful and unsuccessful applicants will be notified. Only successful EOI applicants will be invited to proceed to the proposal submission phase and will receive a project identification code in their notification letter.

**NOTE:** Depending on the Program demand and funding available, further calls for EOIs may be launched following the EOI review. All registered applicants will be notified of any such change, and any such change would be advertised on the Energy Efficient Buildings RD&D Program website.

#### **4.2.4 Submitting a Project Proposal**

Applicants who succeed at the EOI stage will be provided with a Proposal Package including a Project Proposal Applicants' Guide and full Project Proposal Template with their EOI notification letter. Only applicants that were provided a project identification code and the Proposal Package will be permitted to submit a proposal. Any proposal received without an authorized project identification code will not be reviewed.

#### **4.2.5 Proposal Review, Selection, and Notification**

Project proposals will be evaluated and ranked according to the criteria provided in the Proposal Applicants' Guide. The minimum criteria that will be considered are outlined in Section 7 of this document.

Both successful and unsuccessful applicants will be notified, and unsuccessful applicants may request formal feedback on the review of their project proposal.

### **4.3 Supporting Documents and Requests for Supplementary Information**

If you are providing supporting material, we request that it be in electronic format, preferably PDF. However, please note that the maximum total size of e-mail attachments is 9 MB. If your

electronic submission would exceed the maximum, we suggest you submit A SINGLE COPY of the material by courier or registered mail, on a memory stick, clearly marked with the name of the organization and the title of the project. We request that you restrict additional material to that which is directly relevant to, and in support of, your EOI.

The Energy Efficient Buildings RD&D Program may request supplementary information at various points in the review process. Please note: During the proposal phase, up to three years of financial statements may be requested during the selection process from the applicant in order to assess project and applicant financial risk. Financial review will be done in confidence by financial analysts contracted by NRCan. These requests to the applicant will be made via e-mail, and responses should be by e-mail, courier or registered mail. Any additional material and documentation provided in response as attachments should be in electronic format, preferably PDF. The Program may also request presentations by the applicants, either in person or by teleconference, during the review process.

#### 4.4 Program Inquiries

In order to ensure that all EOI applicants have access to the same information and that there is a written response to every question, all questions and answers will be sent and received via the Program email: [NRCan.innovation.RNCan@Canada.ca](mailto:NRCan.innovation.RNCan@Canada.ca). Recurring questions or those that may be useful to other applicants will be posted on the Energy Efficient Buildings RD&D Program’s website in a “Frequently Asked Questions” section. Confidential information and details revealing identity will first be removed. No meetings related to the Program will be held between any proposed applicant and Program staff involved with the project selection process.

### 5 Project Types and Funding Conditions

This funding stream accepts both demonstrations and R&D projects for funding from April 1, 2018 to March 31, 2022. Further details on the funding limits are set out in the tables below:

Project Type	Maximum Program contribution to Total Project Costs *	Total Canadian Government Funding <sup>4</sup>
Demonstrations	50%	100%
FEED Study (including pre-feasibility, charrettes)	50%	100%
R&D	75%	100%

- See Section 3 of this EOI Applicants’ Guide for specific Priority Area limits on minimum and maximum amounts of Program funding available per project.

<sup>4</sup> Total Canadian Government funding means: federal departments, crown corporations, agencies, and other entities such as the Sustainable Development Technology Canada (SDTC). The same would extend to provincial government entities such as municipal governments and crown corporations. An exception would apply to Crown Corporations whose principle function is of a banking nature.

## 6 Eligible Recipients

Legal entities validly incorporated or registered in Canada, including companies (including designers, builders and developers), electricity and gas utilities, industry associations, research associations, aboriginal and community groups, Canadian academic institutions, and provincial, territorial, regional and municipal governments and their departments and agencies. Proof of legal status in Canada will be required at the proposal stage.

## 7 Selection Criteria

### 7.1 Selection Criteria – EOIs

The list of criteria for the EOI phase will include the following:

- How well the project addresses the Energy Efficient Buildings RD&D Program objective as listed in Section 2 (Program Objective) and the scope as listed in Section 3 (Scope for Expressions of Interest);
- How well the project addresses barriers for the Scope Priority Area, as described in the EOI template;
- If the project methodology is appropriate and accounts for tasks related to mandatory criteria;
- The proposed innovativeness of the project, as defined in the EOI template;
- How well the project addresses the key results, including the results and Program Outcomes listed in Section 3 of this document, as well as those listed under Section 1.4 Expected Outcomes of the Applicants' Guide to the Terms and Conditions (<https://www.nrcan.gc.ca/energy/science/programs-funding/eip/20024>), along with the project's potential for uptake by stakeholders (if applicable).

### 7.2 Selection Criteria – Project Proposals

The selection criteria for project proposals will be provided to successful applicants in the Proposal Applicants' Guide, but at minimum will include the following:

- How well the project addresses the Program objectives;
- The ability and capacity of the Proponent to deliver the project, based on the proposed project team and its individual and collective experience and expertise;
- Clearly articulated and achievable timelines and milestones;
- The capacity for take up and adoption of the results of the project;
- The project's technical, economic, and environmental merits;
- Verifiable cost estimates for the project; and
- Quality of knowledge dissemination plan.

### **7.3 Other Criteria**

In addition to the above criteria, project leverage (applicant and partners) and departmental priorities including regional balance may be considered in the final project selection.

## 8 Appendix 1: EOI Template

Please note the following when completing the EOI documentation.

1. The EOI template was sent to you by e-mail as a Microsoft Word file entitled “GI-P11 EEB RD&D EOI2 Template eng”, along with this EOI Applicant’s Guide.
2. Unless otherwise specified, the “proposed project” or the “project” or the “EOI” in this template refers to the proposed project submitted in response to the EOI process undertaken by the Energy Efficient Buildings RD&D program.
3. Completion and submission of the required documents does not imply that the proposed project will be approved for co-funding by the program.
4. Applicants, their partners and collaborators must submit all information required under this request.
5. The completed documents must be submitted by e-mail, courier or registered mail by the **Due Date for the submission of 2<sup>nd</sup> Call EOIs listed in Section 4.1**. Please refer to Section 4.2.2. Submitting an EOI for the submission procedure. **Submissions sent after that time will not be accepted**. It is the applicant’s responsibility to retain proof of time the documentation package was sent to NRCAN. This may be required in the event that NRCAN does not receive the documentation package by the deadline for reasons that are beyond the control of the sender.