Application Form

Investing in Canada Infrastructure Program (ICIP) – Green Stream
Adaptation, Resilience & Disaster Mitigation (ARDM)

Please complete the application form and submit all additional mandatory documents to the Local Government Information System (LGIS) by **1pm on October 7, 2022.** All questions are required to be answered directly in this form. If you have any questions, contact EMBCDISASTERMITIGATION@GOV.BC.CA. All applicants are advised to familiarize themselves with the Green ARDM Program Guide and the required program documentation prior to completing this application. See Accessing the Online Application for more details.

1. Applicant Information (please ensure this matches LGIS)

Responsible Organization (Local Government or First Nation)			
Applicant Community Population			
Contact Info			
Primary Contact*:	Position:	Phone:	E-mail:
Street Address:		Province:	Postal Code:
Secondary Contact:	Position:	Phone:	Email:
Head of the Applicant Organization's Contact Information (e.g. Chief, President, Mayor, Board Chair) *This information will be used during the decision process for any formal correspondence*			
Full Name:	Title:	Phone:	Email:

**Contact person must be an authorized representative of the applicant.*

2. Project Summary

Project title (must match LGIS):	
Provide a detailed project summary explaining what the project consists of and the estimated amount of any quantifiable major components (e.g. this project will help combat rising flood waters with approximately 100 m of channel construction or 1 debris barrier, protecting the community of X, and X homes). Limit 2000 characters	
Site Information	
Provide a single GPS coordinate to represent the project location. Provide the coordinate in decimal degrees (e.g. 49.1788, -122.8260)	
What is the land ownership status?	
What is the current land use?	
Does the applicant own/are they able to operate and maintain the resulting infrastructure over the long term? (Yes/No)	
Project Cost & Grant Request	
Have you ever applied for funding for this project from other sources (e.g. EMBC, NDMP, Gas Tax, or other)? (Yes/No)	
If yes, please indicate the name of the project, and the source and amount of funding received or applied for. Limit 1000 characters	

What plans are in place, and where will funds be sourced from, if project costs escalate beyond budgeted contingencies (i.e. cost overruns)?

Limit 1000 characters

Outline any operations and maintenance considerations for the project, and how these will be addressed as part of your organization's asset management framework. At a minimum, please include details on ownership (who will own the works), operation and maintenance (how will the works be maintained), and ongoing O&M funding (how will the maintenance be funded).

Limit 1000 characters

3. Project Outcomes

The desired results of Green ARDM are to fund projects that will increase structural capacity and/or increase natural capacity to adapt to climate change impacts, natural disasters, and/or extreme weather events. Please keep these desired program outcomes in mind when answering the questions in this section. For more information see the Program Guide.

Explain how constructing the project and the project components meet the program outcomes (e.g. increase the structural and/or natural capacity to adapt to impacts from climate change, natural disasters, and/or extreme weather events). Refer to the Program Guide for detailed program outcomes including eligible hazards and eligible activities.

Limit 1000 characters

How was the need for the project identified? Evidence may include: flood risk assessments with identified priorities; flood maps showing people and assets at risk; documented history of flooding and damage; and completed flood mitigation plans. More information such as background reports and maps can be included in secondary documentation, but please indicate where to find relevant information (e.g. a floodplain mapping project was completed and it was concluded that the existing dike needed to be raised by 2 metres in order to protect the community from a potential flood during the spring freshet). The evaluation panel will consider the strength of the evidence provided. (limit 1500 characters)

Was an options analysis of potential solutions performed to determine the final mitigative works design? (Yes/No)	

If known, please briefly describe other options considered and/or indicate where to find relevant attached information.

Limit 1000 characters

List any significant emergency response or recovery costs in recent history related to the risk(s) this project is designed to mitigate. Please include approximate cost, approximate date, and funding agency.

Limit 1000 characters

Will constructing this project reduce disaster-related financial liabilities (e.g. likelihood of future Disaster Financial Assistance (DFA) claims)? Provide a brief explanation.

Limit 1000 characters

Describe project co-benefits (e.g. positive fish habitat or protecting culturally sensitive sites). Limit 1000 characters	
What general eligible hazard does your project provide resilience to? Select multiple if appropriate.	
Riverine/fluvial flooding	☐
Urban/pluvial flooding	☐
Coastal flooding	☐
Riverine/fluvial flooding	☐
Select any additional specific hazards/events that your project will provide resiliency to:	
Storm Surges	☐
Higher Tides	☐
Sea Level Rise	☐
Coastal Erosion	☐
Saltwater intrusion	☐
Increased rainfall	☐
Increased overland flooding	☐
Other (Specify)	
Is your community susceptible to the natural disaster/impact/event(s) identified in the previous question? (Yes/No)	
Have you completed a hazard, risk, and vulnerability analysis (HRVA) or other risk assessment? (Yes/No)	
If yes, what are the potential risks that are identified by the HRVA/risk assessment? Limit 1000 characters	

Explain how the project will increase resiliency during and after a natural disaster/event. Limit 1000 characters
Climate Change Adaptation

Will the project design incorporate future climate change impacts? (Yes/No)	
If yes, describe any relevant methodology (e.g. incorporating future rainfall intensity projections). Limit 1000 characters	
Will the project be based on RCP 8.5, considering hydrologic regime shifts based on Pacific Climate Impacts Consortium (PCIC) climate data, and/or land use changes from forest fires and/or any measures included to reduce the negative impacts of climate change? (Yes/No)	
If yes, describe relevant measures (e.g. increasing channel conveyance to accommodate higher streamflow from increased rainfall intensities or forest fire affected drainages). Limit 1000 characters	

Nature of the project works	
Nature of the Project	**Indicate % for relevant type**
New	0
Rehabilitation	0
Expansion	0
Other	0
Total (must equal 100)	0

Will structural assets be constructed, rehabilitated, or upgraded in order to adapt to climate change impacts, natural disasters, and extreme weather events? (Yes/No) **If yes, please Complete Appendix 1: Structural Assets**	
Will natural asset(s) be improved or created in order to increase natural capacity to adapt to climate change impacts, natural disasters, and extreme weather events? (Yes/No) **If yes, please Complete Appendix 2: Natural Assets**	
Please note that all applicants must complete either Appendix 1, Appendix 2, or both.	

4. Engagement and Collaboration

Reconciliation (Please note that First Nations applicants are not required to complete this section)	
Does the project advance reconciliation with Indigenous communities, based on the Truth and Reconciliation Committee's *Calls to Action*? (Yes/No)	
If yes, please describe how it advances reconciliation and which of the *Call to Action* it addresses. Limit 1000 characters	
Collaboration	
Does your project contribute to a comprehensive, cooperative, and regional approach to flood mitigation? (Yes/No)	
If yes, briefly describe how (e.g. a mitigation structure that protects multiple communities or a recommended structure as part of a larger regional approach to mitigation). Limit 1000 characters	
List all current and potential stakeholders and partnerships and describe their level of engagement and commitment to the project. This may include First Nations Governments or local governments located in proximity to the project and could include letters of support. Limit 1000 characters	
Through constructing this project, what is the estimated population that this project will provide benefit to?	
If available, provide any pertinent information relating to populations disproportionally affected by climate related risks that will realize benefits from this project. Limit 1000 characters	

5. Other Requirements

Energy Efficiency and Materials	
Will the highest published applicable energy efficiency standards for buildings in the jurisdiction be met or exceeded? (Please see the ICIP RNC Program Guide)(Yes/No) If no, please note projects must meet or exceed any applicable energy efficiency standards for buildings.	
If yes, please list the energy efficient features that will be included in the project. Limit 1000 characters	
Accessibility	
Will the completed works be used by the general public or members of the community (i.e. is it public facing)? (Yes/No)	
If yes, will the project meet or exceed the highest published accessibility standards in a jurisdiction, in addition to applicable provincial building codes and relevant local government bylaws? (Yes/No)	
If yes, please describe how accessibility standards will be met or exceeded through the design and construction phases of the project. Please include which standard you are meeting/exceeding.	Limit 1000 characters
If no, explain reasons why accessibility standards cannot be met (e.g. renovating an older structure that cannot house an elevator to access the upper floors).	Limit 1000 characters
Procurement	
Do you intend to directly award contracts (sole sourced) during procurement for any aspect of the project? (Yes/No)	
If yes, the expectation is that project contracts are to be tendered. Projects that utilize directly awarded (sole sourced) construction contracts of over $40,000 and service contracts over $100,000 may need a Federal Treasury Board submission for project approval. Please include in your LGIS application one attachment with further details on all potential direct award contracts (the estimated amount of the intended directly awarded contract, who will be conducting the work, the nature of the work (e.g. specify design, construction, or other) and explain why sole source contracting is necessary).	
Other Regulatory or Permitting Requirements	
Have discussions taken place with applicable agencies to prepare for all required permits, authorizations, and regulatory approvals? (Yes/No)	

Please list the permits, authorizations, and regulatory approvals that are expected to be required for this project and the status of each. Limit 1500 characters

6. Risk Management

Indicate "High/Medium/Low/No Risk" for each risk listed and provide a brief description of the risk and mitigation strategies undertaken or planned. *Describe risk and its probability (low/medium/high), impact, and mitigation response (will risk be avoided, mitigated, transferred, or accepted). Describe the planned actions and what the residual risk will be.*		
Risk	H/M/L/No Risk	Mitigation Measures
Project Complexity (Limit 1000 characters per field)		
Remote geographic location		
Unpredictable weather		
Untested or unproven technologies		
Highly technical or complex project		
Interdependencies between phases		

Other (e.g Covid). Please describe.		
		Project Readiness (Limit 1000 characters per field)
Project site hasn't been finalized		
Land hasn't been acquired		
Potential issues with permits or authorizations (federal, provincial, territorial, and municipal)		
Industry supply may not be able to meet demand		
Non-ARDM funding sources are not secured for the entire project cost		
Other. Please describe.		
		Project Sensitivity (Limit 1000 characters per field)
The project has received positive media attention		

The project has received negative and/or national media attention		
Certain stakeholders have been vocal about the project		
Other. Please describe.		
		Capacity Challenges (Limit 1000 characters per field)
Limited human resources to complete the project		
Limited technical expertise to complete the project		
Previous challenges have occurred with similar projects		
Other. Please describe.		

Identify any broader project risks (excluding those above). Please list all that are known and include your evaluation and proposed mitigation for each risk.

Limit 1500 characters

By constructing this project is risk being increased, or transferred, to any parties or to the environment (e.g. transfer of flood risk downstream, destruction of fish habitat, introduction of pollutants to the environment, etc.)? Provide a brief explanation and/or provide a reference to any relevant study summaries, and if yes also describe how this risk will be mitigated.

Limit 2000 characters

Appendix 1: Structural Assets

Structural Assets	
What type of structural assets will be constructed, rehabilitated, or upgraded in order to adapt to climate change impacts, natural disasters, and extreme weather events (e.g. construction remediation of dikes)? Limit 1000 characters	
Was the use of natural assets considered before determining a structural asset project is needed? (Yes/No)	
If yes, please explain your reasoning. Limit 1000 characters	
Will the project protect surrounding communities in addition to the community where the project is situated? (Yes/No)	
If yes, please describe the benefits provided (e.g. there are downstream benefits after a flood prevention project was completed). Limit 1000 characters	

Asset Description

Indicate physical condition before and after investment as Very Poor, Poor, Fair, Good, or Very Good. Where there is no existing asset (only new assets created), indicate N/A.

Description of the Asset (Limit 1000 characters per field)	Quantity	Physical Condition before investment	Physical Condition after investment

Appendix 2: Natural Assets

Will natural assets be improved, rehabilitated, or created? (Yes/No)	
If yes, what type of natural asset will be improved, rehabilitated, or created (e.g. wetlands or shoreline vegetation)? Limit 1000 characters	

Asset Description

Describe the natural assets (e.g., aquifer, wetland, shoreline vegetation, bioswales, green roofs, or other), and indicate the quantity and physical condition before and after investment as Very Poor, Poor, Fair, Good, or Very Good. Where there is no existing asset (only new assets created), indicate N/A.

Description of the Asset (Limit 1000 characters per field)	Quantity	Physical Condition before investment	Physical Condition after investment