



## STAFF REPORT

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**DATE:** September 8, 2023 **FILE:** 0550-04 Board

**TO:** Chair and Directors,  
Regional Board

**FROM:** David Leitch  
Chief Administrative Officer

**RE:** GRANT OPPORTUNITY: DISASTER RISK REDUCTION / CLIMATE ADAPTATION

### PURPOSE

To consider submitting a regional application with member municipalities and First Nations to the intake of the October 2023 Community Emergency Preparedness Fund (CEPF) Disaster Risk Reduction / Climate Adaptation (DRR-CA) grant from the Union of BC Municipalities in order to fund regional planning, educational and structural disaster risk reduction initiatives.

### EXECUTIVE SUMMARY

The intent of the DRR-CA funding stream is to reduce risks from future disasters due to natural hazards and climate-related risks through the development and implementation of an accurate foundational knowledge of the natural hazards they face and the risks associated with BC's changing climate; well as effective strategies to prepare for, mitigate, and adapt to those risks.

It is suggested that the Regional District apply for both Category 1 and 2 streams. Category 1 is focused on risk mapping, risk assessments and planning. The Category 1 funding stream can contribute 100% of the cost of eligible activities to a maximum of \$150,000 per applicant. It is recommended that a complete floodplain mapping and risk assessment project for the Oyster River and Electoral Area D coastline be completed under Category 1. Category 2 is focused on non-structural activities, which includes community workshops, awareness initiatives and public art projects. The Category 2 funding stream can contribute 100% of the cost of eligible activities to a maximum \$150,000 per applicant. It is recommended that public art sculptures be installed in the communities of Fair Harbour, Hupsitas, Oclucje, Tahsis, Walters Island and Zeballos.

The deadline for the SRD to submit an application is October 6, 2023. Funding requests from two or more eligible project applicants for collaborative regional projects may be submitted as a single application in which case the maximum funding available would be based on the number of eligible applicants included in the application. Regional applications to the DRR-CA grant are strongly encouraged and higher application review scores will be given to these projects. It is proposed that the Regional District apply for funding assistance for supporting the initiatives outlined below. The proposal currently before the Board is that the Regional District coordinate grant activities on behalf of all local government and First Nation entities that have requested inclusion in this regional process.

### RECOMMENDATIONS

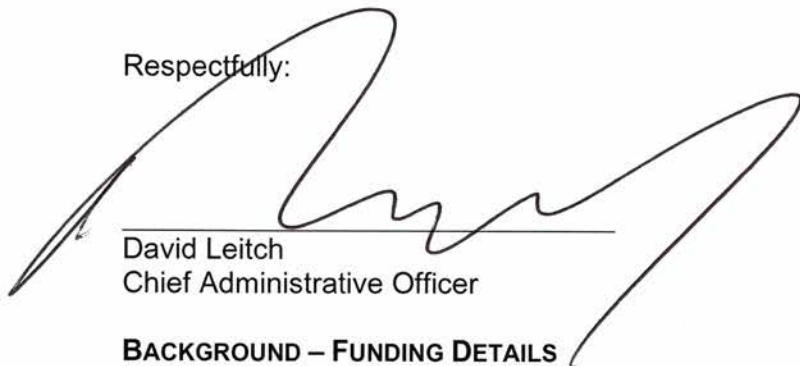
1. THAT the report from the Chief Administrative Officer be received.

## Staff Report – Grant Opportunity: Disaster Risk Reduction / Climate Adaptation Page 2

2. THAT the Board authorize an application to the 2023 Disaster Risk Reduction / Climate Adaptation grant program as identified in the September 8, 2023 report from the Chief Administrative Officer; and

THAT the Regional District commit to overall management of the grant if the application is successful.

Respectfully:



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David Leitch  
Chief Administrative Officer

### **BACKGROUND – FUNDING DETAILS**

Funding for the Disaster Risk Reduction / Climate Adaptation grant (DRR-CA) as provided by the Province of BC's Community Emergency Preparedness Fund (CEPF) and is administered by the Union of BC Municipalities (UBCM) and intended to support local governments to reduce risks from future disasters due to natural hazards and climate related risks.

All First Nations (bands and Treaty First Nations) and local governments (municipalities and regional districts) in BC are eligible to apply. Eligible applicants can submit one application per funding stream intake. This includes applying as a partnering applicant in a regional application.

The intent of the DRR-CA funding stream is to support eligible applicants to reduce disaster risks from natural hazards and climate-related events. Funding is divided into three categories:

- Category 1: Foundational activities (risk mapping, risk assessments, planning)
- Category 2: Non-structural activities (land use planning, community education, purchase of eligible equipment)
- Category 3: Small scale structural activities

### **ELIGIBLE PROJECTS**

To qualify for funding, proposed activities must support eligible applicants to reduce disaster risks from natural hazards and climate-related events and be:

- A new or a subsequent phase of a DRR-CA related project (retroactive funding is not available);
- Capable of completion by the applicant within two years from the date of grant approval;
- Publicly owned land/ buildings and/or First Nations land/ buildings or critical infrastructure;
- Demonstrate engagement with First Nations and/or Indigenous organizations, neighbouring jurisdictions and impacted parties;
- Evidence based, and including Indigenous knowledge;
- Developed and constructed to ensure that project risk is not 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); and,
- Able to demonstrate that climate change is integrated into project methodology and deliverables to adapt to the impacts of climate change.

It is suggested that the most appropriate use for a grant under this program would be to fund the following initiatives:

## **Staff Report – Grant Opportunity: Disaster Risk Reduction / Climate Adaptation Page 3**

Category 1 is focused on risk mapping, risk assessments and planning. The Category 1 funding stream can contribute 100% of the cost of eligible activities to a maximum of \$150,000 per applicant. It is recommended that the following activities be funded under Category 1:

- Complete a floodplain mapping and risk assessment project for the Oyster River and Electoral Area D Coastline

Category 2 is focused on non-structural activities, which includes community workshops, awareness initiatives and public art projects. The Category 2 funding stream can contribute 100% of the cost of eligible activities to a maximum \$150,000 per applicant. It is recommended that the following activities be funded under Category 2:

- Install public art sculptures in the communities of Fair Harbour, Houpsitas, Oclucje, Tahsis, Walters Island, and Zeballos

### **FINANCIAL IMPLICATIONS**

Funding requests from two or more eligible applicants for regional projects may be submitted as a single application for eligible, collaborative projects. For Category 1 and 2, the maximum funding available would be based on the number of eligible applicants included in the application. Regional approaches to DRR-CA are strongly encouraged. Providing support for a CEPF grant indicates that the Regional District is prepared to accept responsibility for this project and to provide overall grant management.

<b>Proposed Budget</b>	<b>Quantity</b>	<b>Estimated Cost</b>
<b>Category 1 - Planning</b>		
Floodplain Mapping and Risk Mitigation – Oyster River and Area D Coastline	1	\$150,000
<b>Category 2 - Education</b>		
Public art sculptures	6	\$90,000

Table 1: Proposed budget.

### **ANALYSIS**

Since 2017 the Strathcona Regional District has been working to update our existing Floodplain Mapping for the rivers in our Region. Previously, the only existing floodplain mapping available was completed by the Ministry of Environment in 1984. Floodplain mapping in our region includes the following river networks:

<b>Name:</b>	<b>Last Updated:</b>
Oyster River	1984
Campbell and Quinsam River	1984
Salmon and White River	2021
Gold River	1984
Tahsis and Leiner River	2019
Zeballos River	2022

Table 2: Floodplain Mapping Date Completed

Completing the Oyster River and Area D Floodplain mapping would ensure that all rivers in the region outside of municipal boundaries are up to date in terms of having risks assessed and mitigation strategies identified. Additionally, installing the tsunami wave public art sculptures will raise awareness while also embodying an expression and preservation of culture. Indigenous art is important to our communities because it allows the expression and acknowledgment of Indigenous culture.

## **Staff Report – Grant Opportunity: Disaster Risk Reduction / Climate Adaptation Page 4**

These projects were selected as they align well with the eligibility requirements and can be completed within the grant funding timeline. The recommended projects are also in alignment with the current SRD Board Community Well Being Strategic Priorities to support disaster risk reduction and climate adaptation initiatives.

### **INTERDEPARTMENTAL INVOLVEMENT**

Financial services would provide overall supervision of the grant management. Protective services would provide overall supervision of the project.

### **INTERGOVERNMENTAL/REGIONAL IMPLICATIONS**

Moving forward with a regional approach presents an opportunity to build closer relationships with local government and First Nation entities. The following have passed resolutions in support of this regional grant application:

- Ka:'yu:'k't'h'/Che:k:tles7et'h' First Nations
- Nuchatlaht First Nation
- Village of Tahsis\*
- Village of Zeballos

\*Resolution pending

***Prepared by:*** S. Koopman, Protective Services Coordinator and A. Girdler, Land Use Planner II

Attachments A: 2023 DRR-CA Program Guide

# Community Emergency Preparedness Fund

## Disaster Risk Reduction – Climate Adaptation

### 2023/24 Program and Application Guide

Application Deadlines: October 6, 2023 and March 28, 2024

#### 1. Introduction

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The [Community Emergency Preparedness Fund](#) (CEPF) is a suite of funding streams intended to support First Nations and local governments to better prepare for disasters and reduce risks from **natural hazards** in a changing climate. Funding is provided by the Province of BC and is administered by the Union of BC Municipalities (UBCM).

As of April 2023, the funding streams include:

- Disaster risk reduction-climate adaptation
- Emergency operations centres equipment and training
- Emergency support services equipment and training
- Extreme temperatures risk mapping, assessment, and planning
- Indigenous cultural safety and cultural humility training
- Public notification and evacuation route planning
- Volunteer and composite fire departments equipment and training

Please refer to [Appendix 1](#) for definitions of terms used in this guide. All defined terms are in **bold** in the program guide.

#### Background

Many communities across the province have experienced serious economic loss, social disruption, and damage to important infrastructure from **natural hazards** and climate-related disasters. Investing in **disaster risk reduction** and enhancing the **resilience** of communities will help reduce these impacts in the future.

**Natural hazards** can include earthquakes, tsunamis, floods, drought, heatwaves, debris flows, and landslides. Some **hazards** are slow in their onset (e.g., changes in temperature and precipitation leading to ecosystem impacts), while others happen more suddenly (e.g., earthquakes, floods, heat waves). Climate change increases the likelihood of weather-driven **natural hazards** occurring (e.g., debris flows, drought, wildfire), the severity of disasters, and the occurrence of cascading events.

#### Disaster Risk Reduction – Climate Adaptation (DRR-CA) Funding Stream

The intent of the DRR-CA funding stream is to support eligible applicants to reduce **disaster risks** from **natural hazards** and climate-related events. Funding is divided into three categories:

- [Category 1](#): Foundational activities (risk mapping, risk assessments, planning)
- [Category 2](#): Non-structural activities (land use planning, community education, purchase of eligible equipment)
- [Category 3](#): Small scale structural activities

Foundational activities support community **resilience** by providing data, building partnerships, and supporting long-term **disaster risk reduction-climate adaptation** planning. Knowledge that is up-to-date and accessible will help guide land use and development decisions of communities and helps to identify areas of high risk, and areas in need of non-structural or structural projects, including enhanced education and awareness, strategic relocation, and nature-based solutions.

For support integrating climate change into your community's application, contact [EMCR's Disaster Mitigation & Adaptation Branch](#).

## 2. Eligible Applicants

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All First Nations (bands and Treaty First Nations) and local governments (municipalities and regional districts) in BC are eligible to apply.

Eligible applicants can submit one application per funding stream intake. This includes applying as a partnering applicant in a regional application.

## 3. Grant Maximum

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The DRR-CA funding stream can contribute 100% of the cost of eligible activities to a maximum of:

- [Category 1](#) (Foundational Activities): \$150,000 per applicant
- [Category 2](#) (Non-Structural Activities): \$150,000 per applicant
- [Category 3](#) (Small Scale Structural Activities): \$5 million

The Evaluation Committee may recommend that an application be approved in full or in part, based on available funding and the merit of the proposed project in each category.

To ensure transparency and accountability in the expenditure of public funds, all other contributions for eligible portions of the project must be declared and, depending on the total value, may decrease the value of the funding. This includes any other grant funding and any revenue that is generated from activities that are funded by the CEPF.

## 4. Eligible Projects

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To qualify for funding, proposed activities must support eligible applicants to reduce **disaster risks** from **natural hazards** and climate-related events and be:

- A new or a subsequent phase of a DRR-CA related project (retroactive funding is not available);
- Capable of completion by the applicant within two years from the date of grant approval;
- For either:
  - **Publicly owned land** and/or **First Nations land**;
  - **First Nations owned buildings** or **publicly owned buildings**; and/or,
  - **Publicly, provincially and First Nations owned Critical Infrastructure**. Note, for [Category 3](#) projects, the asset or infrastructure must be owned by the primary applicant or a sub-applicant.
- Demonstrative of engagement with:
  - First Nations and/or Indigenous organizations in advance of submitting the application and as part of the proposed project (e.g., collaborative planning tables; incorporating First Nation values and perspectives in proposed activities; existing outreach, plans, engagement reports or processes; including First Nation engagement costs in the budget; completion of Indigenous Cultural Safety and Cultural Humility Training). Engagement by local governments both locally and regionally can help build relationships with First



Nations, benefit both communities and enhance reconciliation. More information on engagement best practices is available [here](#);

- Neighbouring jurisdictions and other impacted or affected parties (e.g., equity organizations, agricultural sector, critical infrastructure owners) as appropriate to the project.
- Evidence-based, including Indigenous knowledge. [The United Nations Words into Action: Using Traditional and Indigenous Knowledges for Disaster Risk Reduction guide](#) provides more information about how to use Traditional Knowledge to reduce, prepare for, and respond to disasters;
- Where applicable, eligible for required approvals, authorizations, and permits;
- Developed and constructed to ensure that project risk is not 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; and,
- Able to demonstrate that climate change is integrated into project methodology and deliverables to adapt to the impacts of climate change. While a range of scenarios are recommended, at a minimum the use of emissions scenarios RCP 8.5 or SSP5\_8.5 is required. Small scale structural projects should use scenarios (or equivalent amount of global warming) appropriate for the design life. Refer to [Appendix 2](#) for examples of climate information sources.

## Regional Projects

Funding requests from two or more eligible applicants for regional projects may be submitted as a single application for eligible, collaborative projects. For [Category 1](#) and [Category 2](#), the maximum funding available would be based on the number of eligible applicants included in the application. For [Category 3](#), the maximum funding is \$5 million regardless of the number of projects or partnering applicants.

It is expected that regional projects will demonstrate cost-efficiencies in the total grant request. Regional approaches to DRR-CA are strongly encouraged where appropriate. Approved projects in neighbouring geographic regions may be asked to coordinate to ensure risks to both communities are adequately addressed.

The primary applicant submitting the application for a regional project is required to submit a resolution as outlined in [Section 7](#) of this guide. Each partnering applicant is required to submit a resolution that clearly states their approval for the primary applicant to apply for, receive, and manage the grant funding on their behalf.

## 5. Requirements for Funding

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As part of the approval agreement, approved applicants must agree to the following requirements for funding:

- Approved applicants are required to grant the Province of British Columbia free and clear access and distribution rights, specifically a perpetual, royalty-free, non-exclusive, worldwide license to use, reproduce, modify, and distribute, any and all of reports, spatial data products and images acquired/produced using CEPF funding;
- Approved applicants may need to work with EMCR and GeoBC to support integration of Value-Added Products, derived products, and methodology into the Provincial Data Repository and Web Mapping Platforms. This may include transferring knowledge to replicate the solutions created on proprietary mapping platforms managed by the applicants. EMCR may work with applicants to ensure an integrated and collaborative approach is taken to collect, capture, analyze, visualize, and manage data and information based on consistent standards and data models to be used by all applicants;

- Please note that the two statements above do not apply to any product, data, information or image which may include Indigenous knowledge. EMCR and GeoBC respect the First Nations principles of Ownership, Control, Access and Possession (OCAP)®;
- Any in-person activities, meetings, or events must meet public health orders and/or guidance;
- Activities must comply with all applicable privacy legislation under the *Freedom of Information and Protection of Privacy Act* in relation to the collection, use, or disclosure of personal information while conducting funded activities. Personal information is any recorded information about an identifiable individual other than their business contact information. This includes information that can be used to identify an individual through association or inference;
- Develop project deliverables (input data, final maps, digital deliverables, and technical reports) that, where applicable, meet all existing federal and provincial guidelines and adhere to any relevant EGBC Professional Practice Guidelines. Refer to [Appendix 2](#) for examples of applicable standards and guidelines; and,
- Where applicable, the Qualified Professionals that manage the proposed project must be subject matter experts and any professional activities must be developed and signed by a qualified professional as per the *Professional Governance Act*. Refer to [Appendix 2](#) for examples of applicable standards and guidelines.

## 6. Eligible and Ineligible Costs and Activities

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### Eligible Costs and Activities

Eligible costs are direct costs that are approved for funding, properly and reasonably incurred, and paid by the applicant to carry out eligible activities. Eligible costs can only be incurred from the date of application submission until the final report is submitted.

### Category 1: Foundational Activities

In addition to the eligibility and funding requirements for all proposed activities identified in [Section 4](#) and [Section 5](#), all Category 1 projects must demonstrate that a new/updated body of knowledge related to one or more **natural hazards** and/or climate risks is developed or revised.

#### Risk Mapping

Risk mapping allows a community to determine its vulnerabilities more accurately in relation to **natural hazards** and climate risks. Eligible activities include the development and/or modernization of maps (e.g., tsunami, flood, extreme temperatures) as well as maps focused on better understanding community assets and/or vulnerabilities.

For example, flood risk maps (i.e., inundation, **hazard**, risk) identify the boundaries of a potential flood event and show the likely effects of floods on human health, economic activity, the environment, and cultural values and heritage.

Prior to submitting a proposal for flood risk mapping please contact [EMBCDisasterMitigation@gov.bc.ca](mailto:EMBCDisasterMitigation@gov.bc.ca). At this time, seismic microzonation mapping is currently not an eligible activity. For more information, please contact [Seismic@gov.bc.ca](mailto:Seismic@gov.bc.ca).

#### Risk and Resilience Assessments

Risk and **resilience** assessments identify the social, economic, and environmental impacts that events will have on the community, including identifying **natural hazards**, climate-related risks, cascading or compounding events, community and infrastructure vulnerabilities, risk tolerance or risk threshold, and the overall risk profile for a community.

Eligible activities include development of risk and/or **resilience** assessments for one or more **natural hazards** and/or climate related risks.



## Planning

DRR-CA plans must address **natural hazards** and climate-related risks through the prioritizing of options and development of recommendations to reduce current and/or potential impacts. This can include identifying broad **disaster risk reduction** and **climate adaptation** goals, objectives, and strategies to meet those goals, and key planning activities including developing options (e.g., structural and non-structural) as well as preliminary cost estimates for these options.

Eligible activities include:

- Completion of a DRR-CA plan or a multi-**natural hazard**/climate risk **resilience** plan, including extreme temperature or drought plans;
- Assessment of the community's adaptive capacity;
- Preliminary planning and design activities related to the development of proposed structural projects; and,
- Benefit-cost analysis to assess the future risk reduction options under consideration and comparing the potential benefits to its costs. It is recommended that a comparison between structural (green or grey infrastructure) and non-structural (bylaws, strategic relocation) is included, where possible.

## **Category 2: Non-Structural Projects**

Applicants may apply for Category 2 projects that are dependent on the outcomes of [Category 1](#) activities provided that the project workplan clearly demonstrates that the Category 1 activities will be completed before Category 2 activities are started.

Non-structural projects are measures designed to reduce risks to a community from **natural hazards** and climate-related risks through modifications in human actions, human behaviour, or natural processes. Eligible projects must build on the foundational activities outlined above and support communities to effectively reduce risks from **natural hazards** and climate-related disasters.

## Land Use Planning and Education

Land use planning, community education, and monitoring equipment support community **resilience** by using data, building partnerships, and supporting long-term **disaster risk reduction-climate adaptation** at the community level. Eligible activities include:

- Land use planning that contributes to long-term **disaster risk reduction-climate adaptation** (e.g., amendments to relevant plans, bylaws, and policies);
- Developing **disaster risk reduction-climate adaptation** policies and practices for the design and maintenance of **First Nations land** and/or **publicly owned land**, such as parks and open spaces, and/or for the design and maintenance of **First Nations owned buildings** and/or **publicly owned buildings**
- Purchasing monitoring equipment (e.g., hydrometric stations) for data collection. Refer to [Appendix 2](#) for examples of existing monitoring resources and organizations.
- Delivering community education and awareness projects (e.g., community workshops, story maps, public art projects) that are primarily focused on community-level **disaster risk reduction-climate adaptation**

## Temporary Mitigation Equipment

Temporary **mitigation** equipment reduces community risk from **natural hazards** and climate-related disasters in situations where no long-term structural solutions are readily available or where a community needs more time to find a long-term structural solution. Applications that include temporary **mitigation** equipment must demonstrate that the community has the capacity and a plan in place for the maintenance and repair of the equipment, as well as a deployment and removal plan.

Eligible temporary **mitigation** equipment includes the purchase of:

- Types of sandbags that are not provided by EMCR (e.g., Bulk Bags)
- Other flood barrier assets (e.g., Tiger dams, gabion baskets, etc.)
- Portable air conditioners and air scrubbers (only for use in **First Nations owned buildings and publicly owned buildings**)
- Misting/water bottle refill stations
- Storage for temporary **mitigation** equipment, limited to shipping containers and trailers, and including minor renovations (e.g., wiring, cabling, installation of shelving) to storage units.

Ongoing operations (including installation and removal), maintenance, training, and deployment of temporary **mitigation** equipment are the responsibility of the applicant(s), and applicants need to demonstrate that they have a plan in place.

### Category 3: Small-Scale Structural Projects

Small-scale structural projects include new construction and/or modification or reinforcement of existing **publicly, provincially, and First Nations owned Critical Infrastructure, First Nations owned buildings or publicly owned buildings**, including **natural infrastructure**, in order to reduce the risks of **natural hazards** and climate-related disasters.

For the purpose of CEPF funding, small-scale structural projects are required to reduce the risks of **natural hazards** and climate-related disasters in relation to existing community composition, land use, infrastructure, etc. Generally speaking, it is not the intent of Category 3 funding to support recreational infrastructure or future or recent development in a known **hazard** area.

In addition to the eligibility and funding requirements for all proposed activities identified in [Section 4](#) and [Section 5](#), Category 3 projects must:

- Demonstrate that:
  - the appropriate foundational activities (risk mapping, assessment, and/or plans) have been completed. The foundational activities ([Category 1](#)) required to support Category 3 projects cannot be submitted in the same application;
  - impacted and affected parties were engaged before the application is submitted; and,
  - the project is ready for implementation.
- Be financially sustainable for the community.

Eligible activities include:

- Installation of structural flood protection works, or upgrades/retrofits to modernize existing structural flood protection works (e.g., dikes, flood walls, pump stations, flood boxes, debris catchment structures, seawalls, bulkheads, jetties, dam flood risk reduction);
- Construction of flood conveyance works (e.g., bypass channels);
- Daylighting or opening up buried watercourses (e.g., streams, creeks, rivers) and restoring to more natural conditions;
- Dam or dike decommissioning and floodplain restoration;
- Slope stabilization projects relating to debris flow risk reduction;
- Wetland restoration and/or rain gardens, bioswales, and infiltration bulges;
- Beach nourishment and/or bank stabilization;
- Restoring natural shoreline protection through wetland, kelp forests, clam beds, and marsh and beach nourishment to create a soft edge natural shoreline structure to protect against sea level rise and storm surges;

- Public cooling/warming infrastructure, including **natural infrastructure** (e.g., treed areas), to reduce community vulnerability to extreme temperatures (e.g., designated cooling/warming centres, cooling corridors), excluding activities funded under the [Extreme Weather Response program](#);
- Vertical evacuation refuge structures limited to communities with potential tsunami inundation and where the population is unable to evacuate to high ground. Applicants must demonstrate the planned and potential uses for a refuge structure; and,
- Other innovative projects that clearly demonstrate risk reduction potential and/or transferable learnings to other communities in BC.

In order for the technical review team to evaluate Category 3 projects, enough information must be provided to ensure the proposed project meets the criteria listed above. Generally, this means that the risk reduction and/or adaptation strategy has been identified, preliminary planning and design is complete, cost estimates are developed, and benefit-cost analysis has been completed.

If these components are not complete, applicants should apply to complete this work under [Category 1](#) or [Category 2](#) funding. If this option is pursued, the balance of the project cannot be applied for under Category 3 in the same application. Funding permitting, the balance of the project could be proposed under future intakes of DRR-CA provided that the Category 1 and/or Category 2 project is complete.

### **Additional Eligible Costs and Activities (for all Categories)**

The following expenditures are also eligible provided they relate directly to the eligible activities identified above:

- Incremental applicant staff and administration costs (e.g., creating a new position or adding new responsibilities to an existing position);
- Consultant/contractor costs. Please note: if you intend to hire a qualified professional to support proposed activities, professional consultant rates will only be considered for activities that represent respective professions. For other activities (e.g., planning events) consultant rates are expected to be commensurate with the type of activity being undertaken;
- Identification/incorporation of community and cultural values. This includes seeking advice from Indigenous Knowledge Holders, other experts (e.g., health authorities, First Nations Health Authority) and the community (e.g., equity-denied populations, Indigenous organizations, Indigenous Nations, local governments, agricultural sector, critical infrastructure owners).;
- Honoraria for cultural leaders, Elders, Indigenous knowledge keepers, and/or cultural keepers. Note: these honoraria should reflect the role of Indigenous Peoples as subject matter experts and be equitable to consultant rates;
- Costs related to local cultural protocols (e.g., gifts, cultural ceremonies);
- Honoraria for equity-denied populations or service organizations that support equity-denied populations;
- Translation costs and the development of culturally appropriate education, awareness, or engagement materials;
- Presentation to Band Council, Treaty First Nation government, local government Council or Board, or community organizations, etc.;
- Where applicable, costs related to required approvals, authorizations and permits, including costs related to fish friendly design and fish habitat compensation works as required to meet permitting requirements; and,
- Public information costs. Please note: public information costs (e.g., workshops, printed materials) need to align with the intent of the funding stream and provide benefit to the community at large.

## Ineligible Costs and Activities (for all Categories)

Any activity that is not outlined above or is not directly connected to activities approved in the application is not eligible for grant funding. This includes:

- Routine or ongoing operating costs or activities (e.g., heating, cooling and lighting; security, software or service subscriptions; or membership fees);
- Routine or ongoing planning costs or planning activities that are not incremental to the project;
- Regular salaries and/or benefits of applicant staff or partners;
- Duplication of recently developed information, maps, or imagery (e.g., LIDAR) provided the information remains accurate;
- Project-related fees payable to the eligible applicant(s) (e.g., permit fees);
- Costs related to individual or household preparedness or **mitigation** work, including workshops and purchase of emergency supplies (e.g., first aid kits, evacuation supplies) for community members or households;
- Development of curriculum for Kindergarten to Grade 12 education;
- Major capital improvements or major renovations to existing facilities and/or construction of new, permanent facilities (except designated cooling/warming centres);
- Purchase of promotional items, door/raffle prizes, give-away items, and/or gifts for community members (except costs related to local cultural protocols);
- Wildfire risk reduction and FireSmart planning and activities (refer to [FireSmart Community Funding & Supports](#));
- Low carbon, energy, and/or emissions inventories and plans (refer to [the Community Climate Funding Guide](#));
- Qualitative Hazard, Risk and Vulnerability Assessment (HRVA) activities not directly related to the approved project;
- Temporary **mitigation** equipment that is provided by EMCR (e.g., sand, burlap, and photodegradable polypropylene sandbags);
- Purchase of buildings or land and/or legal or contract costs related to the purchase of buildings or land;
- Purchase of public notification systems; and,
- Projects that create an orphan structure for which tenure and/or maintenance responsibility does not remain with the First Nation or local government.

In addition, for [Category 3](#), the following activities are not eligible for funding:

- On-going operating and maintenance costs;
- Storm water infrastructure;
- Relocation or raising of homes, businesses, and communities;
- Sediment or debris removal, or clean out of debris control structures;
- Building evacuation roads; and,
- Purchase of heat pumps (refer to [Clean BC Better Buildings](#)), unless they are part of improvements to designated cooling/warming centres identified above.

## 7. Application Requirements and Process

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UBCM is in the process of implementing an online application tool.  
Information on this tool will be available later in 2023.

### Application Deadline

Funding permitting, two application deadlines are scheduled for 2023/2024: October 6, 2023 and March 28, 2024. Applicants will be advised of the status of their application within 120 days of the application deadline.

### Required Application Contents

EMCR and GeoBC respect the First Nations principles of OCAP®. Any product, data, or information which may include Indigenous knowledge may be submitted at the discretion of the applicant.

All applicants are required to submit an electronic copy of the completed application, including:

- Completed Application Form and all required attachments;
- Band Council resolution, Treaty First Nation resolution, or local government Council or Board resolution indicating support for the current proposed activities and willingness to provide overall grant management;
- Detailed work plan that includes a breakdown of work activities, tasks, deliverables or products, resources, timelines (start and end dates), and other considerations or comments;
- Detailed budget that indicates the proposed expenditures from CEPF and aligns with the proposed activities outlined in the application form. Although additional funding or support is not required, any other grant funding or in-kind contributions must be identified;
- Map(s) indicating the location of the proposed project(s);
- If applicable, copies of any relevant documents that support the rationale for this project must be included with this application;
- For regional projects only: Band Council resolution, Treaty First Nation resolution, or local government Council or Board resolution from each partnering applicant that clearly states their approval for the primary applicant to apply for, receive, and manage the grant funding on their behalf. Resolutions from partnering applicants must include this language.

### Submission of Applications

Applications should be submitted as Word, Excel, or PDF files. Total file size for email attachments cannot exceed 20 MB.

All applications should be submitted to Local Government Program Services, Union of BC Municipalities by e-mail: [cepf@ubcm.ca](mailto:cepf@ubcm.ca)

### Review of Applications

UBCM will perform a preliminary review of applications to ensure the required application contents have been submitted and to ensure that basic eligibility criteria have been met. Only complete application packages will be reviewed.

All eligible applications will be assessed and scored as part of a technical review process. Point values and weighting have been established within each of these scoring criteria. Only those applications that meet a minimum threshold point value will be considered for funding.

Higher application review scores will be given to projects that:

- Align with the intent of the DRR-CA funding stream:
  - Demonstrate rationale and evidence of how the **natural hazard** and/or climate risk is being assessed through threat levels (e.g., as identified in completed risk assessments) and projected climate risks and/or recent history (e.g., evacuation order, disaster financial assistance);
  - Meaningfully consider and adapt to the impacts of climate change in the project methodology and deliverables (e.g., planning, design);
  - Increase understanding of the social, cultural, economic, and/or environmental impacts of **natural hazards** and/or climate-related risks to the community; and,
  - Identify or achieve co-benefits (e.g., assessing multiple **hazards**, protecting valuable cultural assets, reducing greenhouse gas emissions, improving community health and wellbeing, enhancing biodiversity);
- Demonstrate evidence of engagement with First Nations and/or Indigenous organizations in advance of submitting the application and as part of the proposed project (e.g., collaborative planning tables; incorporating First Nation values and perspectives in proposed activities; existing outreach, plans, engagement reports or processes; including First Nation engagement costs in the budget; completion of Indigenous Cultural Safety and Cultural Humility Training);
- Effectively engage with neighbouring jurisdictions and other impacted or affected parties (e.g., equity organizations, agricultural sector, critical infrastructure owners) as appropriate to the project. Rural and remote communities may want to consider engaging with regional districts and/or health authorities, and First Nation applicants may want to consider engaging with the First Nations' Emergency Services Society or the First Nations Health Authority;
- Are cost-effective. Projects with higher requested funding amounts will be evaluated to ensure they demonstrate a proportionately higher risk reduction benefit to justify the increased funding amount;
- Contribute to a comprehensive, cooperative, and regional approach and benefits; and,
- Demonstrate how diverse populations, including equity-denied populations, will be involved or benefit from this project (e.g., engagement considers for non-English speaking populations, DRR-CA measures that benefit equity-denied populations);

As required, the Evaluation Committee may consider the provincial, regional, and urban/rural distribution of proposed projects and previous CEPF funding. Recommendations will be made on a priority basis. All funding decisions will be made by UBCM.

UBCM may share all applications with the Province of BC and First Nations' Emergency Services Society
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## 8. Grant Management and Applicant Responsibilities

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Grants are awarded to approved applicants only. The approved applicant is responsible for completion of the project as approved and for meeting reporting requirements.

Approved applicants are responsible for proper fiscal management, including maintaining acceptable accounting records for the project. UBCM reserves the right to audit these records.

### Notice of Funding Decision and Payments

All applicants will receive written notice of funding decisions. Approved applicants will receive an Approval Agreement, which will include the terms and conditions of any grant that is awarded. The Approval Agreement is required to be signed and returned to UBCM within 30 days.



Grants are awarded in two payments: 50% when the signed Approval Agreement has been returned to UBCM, and the remainder when the project is complete and the final reporting requirements have been met.

Please note that in cases where revisions are required to an application, or an application has been approved in principle only, the applicant has 30 days from the date of the written notice of the status of the application to complete the application requirements. Applications that are not completed within 30 days may be closed.

### **Progress Payments**

To request a progress payment, approved applicants are required to submit the [Interim Report Form](#). The form will require the following information:

- Description of activities completed to date;
- Description of funds expended to date; and,
- Written rationale for receiving a progress payment.

### **Post Grant Approval Meeting**

As a condition of grant approval, all approved applicants may be required to meet with EMCR or an applicable provincial partner (e.g., GeoBC, Deputy Inspector of Dikes for the region), or designate, to discuss the project prior to commencing work.

### **Changes to Approved Projects (Amendment Requests)**

Approved grants are specific to the project as identified in the approved application and grant funds are not transferable to other projects. Generally speaking, this means funds cannot be transferred to an activity that was not included in the approved application or to a new or expanded location.

Approval from UBCM and/or the Evaluation Committee will be required for any variation from the approved project. Depending on the complexity of the proposed amendment, requests may take up to 120 days to review.

To propose changes to an approved project, applicants are required to submit the [Interim Report Form](#). If UBCM determines the amendment is eligible for consideration, applicants will be required to submit:

- Amended application package, including updated, signed application form, required attachments, and an updated Band Council resolution, Treaty First Nation resolution, or local government Council or Board resolution;
- For regional projects only, evidence of support from partnering applicants for proposed amendments; and,
- Written rationale for proposed changes to activities and/or expenditures.

Applicants are responsible for any costs above the approved grant unless a revised application is submitted and approved prior to work being undertaken.

### **Extensions to Project End Date**

All approved activities are required to be completed within the time frame identified in the approval agreement and all extensions beyond this date must be requested in writing and be approved by UBCM.

The [Interim Report Form](#) will be required to be submitted for all extensions request over six months. Extensions will not exceed one year from the date of the original final report deadline.

## 9. Final Report Requirements and Process

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All funded activities must be completed within two years of notification of funding approval and final reports are due within 30 days of project completion.

EMCR and GeoBC respect the First Nations principles of OCAP®. Any product, data or information which may include Indigenous knowledge may be submitted at the discretion of the applicant.

### Final Reports

Applicants are required to submit an electronic copy of the complete final report, including the following:

- Completed Final Report Form with all required attachments;
- Detailed financial summary that indicates the actual expenditures from CEPF and other sources (if applicable) and that aligns with the actual activities outlined in the Final Report Form;
- Copy of final technical report (i.e., consultant's report) and, where applicable, the following:
  - Completed Risk Maps, Risk Assessments, and DRR-CA Plans;
  - Evidence of Non-Structural activities undertaken (e.g. bylaws, photos of non-structural community engagement activities); or,
  - Evidence of a completed Small-Scale Structural project including project details (location, background, scope, funding agency), design analyses and assumptions, construction completion report, field work considerations, as-built drawings, recommendations on operation and maintenance of structural works, regulatory approvals received, etc.; and,
  - High resolution photos of completed Small-Scale Structural projects.
- Full size PDF copies of all maps created as result of the project;
- Spatial data and metadata for all maps identified above. LiDAR and orthoimagery products data and derivative products acquired/produced with CEPF funding must meet [Specifications for Airborne LiDAR for the Province of British Columbia](#);
- Photos of funded activities and/or completed projects; and,
- Links to media directly related to the funded project.

### Submission of Final Reports

Final reports should be submitted as Word, Excel, or PDF files. Total file size for email attachments cannot exceed 20 MB.

All reports should be submitted to Local Government Program Services, Union of BC Municipalities by e-mail: [cepf@ubcm.ca](mailto:cepf@ubcm.ca).

### Review of Final Reports

UBCM will review final reports to ensure the required report contents have been submitted. Following this, all complete final reports and deliverables will be reviewed by EMCRC.

UBCM may share all report materials with the Province of BC and the First Nations' Emergency Services Society
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## 10. Additional Information

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Union of BC Municipalities  
525 Government Street  
Victoria, BC, V8V 0A8

E-mail: [cepf@ubcm.ca](mailto:cepf@ubcm.ca)

Phone: (604) 270-8226 ext. 220

## Appendix 1: Definitions

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Please refer to [CEPF Definitions](#) for defined terms used throughout the Community Emergency Preparedness Fund program and application materials. The following definitions apply to the Disaster Risk Reduction-Climate Adaptation funding stream.

**Climate Adaptation:** Proactively understanding and preparing for the changing climate and reducing climate-related risks. Some climate impacts are related to sudden disaster events, such as flooding and wildfire, while others occur more slowly over time such as sea level rise, species and ecosystem shifts, and water shortages ([BC's Climate Preparedness and Adaptation Strategy](#))

**Disaster Risk:** The potential loss of life, injury, or destroyed or damaged assets which could occur to a system, society, or a community in a specific period of time, determined probabilistically as a function of **hazard**, exposure, vulnerability and capacity ([Sendai Framework for Disaster Risk Reduction](#)).

**Disaster Risk Reduction (DRR):** **Disaster risk** reduction is aimed at preventing new and reducing existing **disaster risk** and managing residual risk, all of which contribute to strengthening **resilience** and therefore to the achievement of sustainable development ([Sendai Framework for Disaster Risk Reduction](#)).

**First Nations land:** First Nation reserve land, land owned by a Treaty First Nation (as defined by the *Interpretation Act*), land under the authority of an Indigenous National Government, or other land owned by a First Nation or Treaty First Nation.

**First Nations owned buildings:** Buildings owned by a Treaty First Nation (as defined by the *Interpretation Act*) or buildings owned by a First Nation band.

**Hazard:** A process, phenomenon or human activity that may cause loss of life, injury or other health impacts, property damage, social and economic disruption, or environmental degradation ([Sendai Framework for Disaster Risk Reduction](#)).

**Mitigation:** the lessening or minimizing of the adverse impacts of a **hazard** (modified from [Sendai Framework for Disaster Risk Reduction](#)).

**Natural hazards:** **hazards** that are predominantly associated with natural processes and phenomena ([Sendai Framework for Disaster Risk Reduction](#)).

**Natural infrastructure:** naturally occurring landscape features and/or nature-based solutions that promote, use, restore or emulate natural ecological processes

**Publicly owned buildings:** Buildings owned by a local government or public institution (such as health authority or school district).

**Publicly owned land:** Provincial Crown land, land owned by a local government or land owned by a public institution (such as a health authority or school district).

**Publicly, provincially, and First Nations owned Critical Infrastructure:** Assets owned by the Provincial government, local government, public institution (such as health authority or school district), First Nation, or Treaty First Nation that are either:

- Identified in a Local Authority Emergency Plan
- Essential to the health, safety, security or economic wellbeing of the community and the effective functioning of society

**Resilience:** The ability of a system, community, or society exposed to **hazards** to resist, absorb, accommodate, adapt to, transform, and recover from the effects of a **hazard** in a timely and efficient manner, including through the preservation and restoration of its essential basic structures and functions through risk management ([Sendai Framework for Disaster Risk Reduction](#)).

## Appendix 2: Standards, Guidelines and Resources

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It is the responsibility of the applicant to ensure that qualified professionals that manage the proposed project are subject matter experts and that any professional activities are developed and signed by a qualified professional as per the *Professional Governance Act*.

### Examples of Climate Information Sources

- [ClimateData.ca](#)
- [Pacific Climate Impacts Consortium Climate Explorer](#)
- [Climate Atlas of Canada](#)
- [Design Value Explorer](#)

### Examples of Monitoring Resources and Organizations

- [Water Survey Canada](#)
- [Provincial Groundwater Network](#)

### Examples of Applicable Federal and Provincial Standards and Guidelines

- [Provincial Flood Hazard Area Land Use Management Guidelines \(2004\)](#)
- [Federal Flood Mapping Guideline Series](#)
- [Coastal Flood Risk Assessment Guidelines for Buildings & Infrastructure Design \(2020\)](#)
- [Climate Change and Asset Management: Sustainable Service Delivery Primer](#)
- [Seismic Design Guidelines for Dikes \(2014\)](#)
- [Dike Design & Construction Guidelines: Best Management Practices for BC \(2010\)](#)
- [Canadian Society of Landscape Architects – Canadian Landscape Standard \(2023\)](#)
- [International Guidelines on Nature-Based Features for Flood Risk Management \(2021\)](#)
- [Irrigation Industry Association of BC “Standards for Landscape Irrigation Systems” \(2018\)](#)
- [Specifications for Airborne LiDAR for the Province of British Columbia \(2020\)](#)
- [Coastal Floodplain Mapping – Guidelines and Specifications \(2011\)](#)
- [BC Water Sustainability Act \(2016\)](#)

### Examples of Applicable Engineers & Geoscientists BC (EGBC) Professional Practice Guidelines

- [Floodplain Mapping in BC \(2017\)](#)
- [Legislated Flood Assessments in a Changing Climate in BC \(2018\)](#)
- [Seismic Assessment and Seismic Design of Dikes in BC Guidelines \(2021\)](#)