

# Alberta Community Resilience Program Grant Application

The Alberta Community Resilience Program (ACRP) will provide grants to applicants for the design and construction of eligible projects include works that: (a) enhance or enable the protection of critical infrastructure, (b) mitigate public safety hazards, or (c) that do both (a) and (b). For program eligibility, please refer to the Grant Program document.

## Applicant Information

Application is hereby made to the Minister of the Environment and Sustainable Resource Development (hereinafter called the "Minister") for Grant pursuant of the Environment and Sustainable Resource Development Grant Regulation, A.R. 182/2000 [refer also to the Designation and Transfer of Responsibility Regulation, A.R. 80/2012, Section 8(8)].

<b>Name of Applicant:</b>		
<b>Contact Name:</b> Tara Matchim, Grants Administrator		
<b>Address: (Indicate Street No./P.O. Box, City/Town or Others and Postal Code)</b> 9909 Franklin Avenue Fort McMurray AB T9H 2K4		
<b>Phone #:</b> 780-743-7873	<b>Fax #:</b>	<b>E-mail:</b> tara.matchim@woodbuffalo.ab.ca
<b>MLA for Project Area (Name):</b>		

<b>Project Name:</b>	Regional Municipality of Wood Buffalo Flood Mitigation Program - Lower Townsite, Fort McMurray
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<b>Project GPS Marker</b> (in decimal degrees):	<b>Latitude:</b> 56.7264 N	<b>Longitude:</b> 111.3803 W
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## Project Description:

The construction of a Flood Mitigation Program to provide protection against the 1:100 year ice jam flood event in the Lower Townsite of Fort McMurray, the urban centre of the Regional Municipality of Wood Buffalo.

How well does the project address "Community Resilience," which is defined as the capacity of a system to cope with, adapt to, or recover from a recurrent disturbance, such as flood or drought?

Select the most applicable response:

- ☒ Project allows Applicant to cope short-term with the identified issue  
☒ Project allows Applicant to adapt to the identified issue long-term  
☐ Project eliminates need for future mitigation

Please describe:

The proposed flood mitigation program will provide protection against a 1:100 year ice jam flood event.

How has the project location been previously affected by flood or drought? Please describe:

Most recently, June 2013 open water flooding has caused an estimated flood damage of \$24.0 Million. See attached report "Fort McMurray Flood Protection Conceptual Design by North West Hydrulic Consultant Ltd."

Is project located in or does it impact a flood plain area? ☒ Yes ☐ No ☐ Unknown

Please check one: ☒ Floodway ☐ Flood Fringe ☐ Unmapped

Has an application been submitted for Water Act/Public Lands Act Authorization?

☐ Yes ☒ No ☐ Application is being prepared

If yes, please provide application/authorization number(s): \_\_\_\_\_

Project Duration:

Estimated Start Date: March 2014

Estimated Completion Date: November 2017

Schedule for implementation, considering regulatory requirements (please identify key milestones):

The Flood Mitigation Program proposes various flood protection measures over 11 "reaches" and in one other area. The schedule of implementation is shown in the cash-flow for the proposed program budget shown in the attached Table 1 Budget Requirements.

Estimated Total Cost of Project: \$201,607,316

Is Project eligible for funding from another program? ☐ Yes ☐ No ☒ Unknown

Has funding been applied for and/or received for the proposed project? ☐ Yes ☒ No

If yes, please list:

Have you included your supporting documentation? See Program Guide for more information

- ☒ Statement of Community Priorities
- ☒ Preliminary Engineering Report
- ☐ Risk Assessment, if required

☐ Other information that will benefit the decision-making process

**What are the immediate consequences, if proposed project does not proceed?**

For many generations, the Lower Townsite of Fort McMurray Alberta has experienced regular flooding caused by the naturally occurring habits of the Clearwater, Athabasca and Hangingstone Rivers. These flood events have caused substantial financial losses on private lands, as well as public infrastructure. Two flooding conditions occur in this area, including annual open water floods caused by spring melts and runoff, and ice jam flood events that are a result of built-up ice downstream of the Lower Townsite. Open water flood events on the Athabasca and Clearwater Rivers have had negligible effects on the community, as the high water levels during a flood event do not crest any bank of the Lower Townsite.

A unique condition in 2013 was flooding caused by the Hangingstone River, which passes through the Lower Townsite and leads to the Clearwater River. This was the only recorded open water flood event that crested the banks of the Hangingstone River and caused flooding on the Lower Townsite.

Ice jam flood events, on the other hand, have devastating consequences on the community and in a 1:100 year ice jam flood event can flood approximately 80% of the downtown. A 1:100 year ice jam flood event will result in more significant flooding of the Lower Townsite than that experienced in 2013.

If the proposed program does not proceed, the Lower Townsite remains at risk of significant flood events with devastating consequences.

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<b>Applicant Name:</b> Regional Municipality of Fort McMurray	
<b>Contact Name:</b> Tara Matchim	<b>Date:</b> September 23, 2014
<b>Signature*:</b>	

\*All applications must be signed by the Applicant. Consultants may not apply on behalf of the Applicant.

**Freedom of Information**

The Applicant acknowledges that the *Freedom of Information and Protection of Privacy Act* applies to all information and records provided by the Applicant to the Minister and to any information and records which are in the custody or under the control of the Minister.