

DATE OF MEETING FEBRUARY 4, 2019

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SUBJECT **UNION OF BC MUNICIPALITIES FUNDING PROGRAM FOR
FLOOD RISK ASSESSMENT, MAPPING AND MITIGATION
PLANNING**

OVERVIEW

Purpose of Report

To seek a Council resolution to apply for a Union of BC Municipalities (UBCM) Grant for a Flood Risk Assessment for the City's water supply dams.

Recommendation

That Council:

1. endorse the funding application for the South Fork and Jump Creek Dams Inundation Mapping under the Union of BC Municipalities Funding Program and Flood Risk Assessment, Mapping and Mitigation Planning; and,
2. direct Staff, upon a successful grant application, to amend the 2019 – 2023 Financial Plan to accelerate the South Fork and Jump Creek Dams Inundation Mapping project from year three (2021) to year two (2020) of the plan with funding to be a combination of grant funding and water reserves.

BACKGROUND

The Community Emergency Preparedness Fund, administered by the Union of BC Municipalities (UBCM), is a suite of funding programs intended to enhance the resiliency of local governments and their residents in responding to emergencies.

Flooding is a significant natural hazard in BC that can damage important infrastructure, cause serious economic losses, and create social disruption. Flooding in BC is often due to:

- Climatic conditions – intense rainfall, rain on snow, log debris jams, rapid snowmelt, storm surges, etc.
- Geomorphic processes – debris flows, tsunamis, landslides
- Structural failures – dike failure, dam failure, culvert failure

Additionally, climate change will impact the frequency and magnitude of flooding in BC through changes to precipitation patterns and sea level rise.

Through strategic emergency planning, Staff are continually updating emergency plans to ensure accurate knowledge of the flood hazards and to develop effective strategies to mitigate and prepare for those risks. It is important we understand the current flood hazards and how to mitigate these risks.

The next high priority plan is to update and develop the South Fork and Jump Creek Dams Inundation Mapping with current climate change impacts. The project is currently in 2021 of the 2019 – 2023 Financial Plan for \$200,000 funded from water reserves, and if grant funding is received, it will allow the project to proceed earlier.

Funding is provided by the Province of BC and is administered by the UBCM. The Flood Risk Assessment, Flood Mapping & Flood Mitigation Planning funding stream, can contribute a maximum of 100% of the cost of eligible activities to a maximum of \$150,000.

OPTIONS

1. That Council:

1. endorse the funding application for the South Fork and Jump Creek Dams Inundation Mapping under the Union of BC Municipalities Funding Program and Flood Risk assessment, Mapping and Mitigation Planning; and,
2. direct Staff, upon a successful grant application, to amend the 2019 – 2023 Financial Plan to accelerate the South Fork and Jump Creek Dams Inundation Mapping project from year three (2021) to year two (2020) of the plan with funding to be a combination of grant funding and water reserves.
 - **Budget Implication:** The 2019 – 2023 Financial Plan will be amended to accelerate the project and update the funding source if the grant application is successful. This will allow a portion of the funding, currently allocated to the project, to be reallocated to other priority projects.

2. That Council decline to endorse the application for the South Fork and Jump Creek Dams Inundation Mapping under the Community Emergency Preparedness Fund Program.

SUMMARY POINTS

- The Community Emergency Preparedness Fund Program provides up to 100% funding for eligible activities to a maximum of \$150,000.
- The City may submit one application.
- Staff reviewed selection criteria and note that updating inundation mapping for the City's water supply dams suits the fund.
- Applications are due by February 22, 2019.
- All grant funded activities must be completed within one year.

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