



BOARD REPORT

TO: Chair and Directors

File No: 1855-01

SUBJECT: UBCM Flood Risk Assessment, Flood Mapping & Flood Mitigation Planning Grant Application

DESCRIPTION: Report from Derek Sutherland, Team Leader, Protective Services, dated February 6, 2019. Union of British Columbia Municipalities Community Emergency Preparedness Fund grant application to undertake screening level flood modelling in the CSR D.

RECOMMENDATION #1: THAT: the Board empower the authorized signatories to apply for a Community Emergency Preparedness Fund Grant (Flood Mapping Stream) for up to \$150,000 to complete a large-scale screening level risk assessment project to improve flood risk management within the CSR D. The CSR D will provide in-house contributions to support the project and overall grant management.

RECOMMENDATION #2: THAT: the Board empower the authorized signatories to enter into an agreement with BGC Engineering Inc. in an amount not to exceed \$150,000 including applicable taxes subject to the receipt of a Community Emergency Preparedness Fund (Flood Mapping Stream) Grant for up to \$150,000.

SHORT SUMMARY:

BGC Engineering Inc. (BGC) and the Fraser Basin Council (FBC) have initiated a project to complete large-scale screening level flood mapping project in the Thompson Watershed in coordination with the CSR D and other applicable local governments. BGC and FBC recently approached the CSR D to ask for support in conducting the screening level project in the CSR D portion of the Thompson Watershed. Staff has asked BGC to extend the project into the Columbia Watershed within the CSR D as part of the grant application.

The work is intended to assemble existing asset data and use it to create data models that are intended to illustrate hazard exposure, assess vulnerability, and calculate flood risk in a format that is web based and easily updated.

VOTING:	Unweighted Corporate <input type="checkbox"/>	LGA Part 14 (Unweighted) <input type="checkbox"/>	Weighted Corporate <input checked="" type="checkbox"/>	Stakeholder (Weighted) <input type="checkbox"/>
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BACKGROUND:

In 2017, the FBC obtained federal funding to complete a flood risk assessment for the entire Thompson River Watershed (including the Shuswap portion of the CSR D). In 2018, CSR D staff applied for this same funding to also have a flood risk assessment completed for the Columbia portion of the CSR D.

Public Safety Canada will be making an announcement on this funding in early March 2019. BGC is the consulting firm carrying out the assessment work.

The intent behind the proposed screening level modelling is to build on the flood risk assessment work and provide updated maps for areas which lack even the most basic floodplain mapping.

The UBCM Flood Risk Assessment, Flood Mapping & Flood Mitigation Planning Grant is intended to ensure applicants have accurate knowledge of flood hazards they face and to develop effective strategies to mitigate and prepare for those risks.

This project is designed to influence flood mitigation at a watershed scale enabling mitigation and response planning to be addressed holistically. The intention of the project is to design jurisdictional plans that benefit all areas of the watershed.

POLICY:

The Board must approve any grant application that exceeds \$150,000 in value, as outlined in Delegation Bylaw No. 5582, 2010.

In accordance with Policy F-32 "Procurement of Goods & Services", Board authorization must be obtained for any sole sourced contract award over \$10,000.

FINANCIAL:

The UBCM Community Emergency Preparedness Fund grants are 100% funded and although a successful grant application will not impact any existing CSRD budget function, significant in-kind contributions, through staff time will be required.

KEY ISSUES/CONCEPTS:

The project will provide opportunity to enhance the CSRD's understanding of emergency management risks to property owners. The opportunity to receive significant emergency management risk assessment work through the receipt of a fully funded grant.

DESIRED OUTCOMES:

The Board endorse the grant funding application and authorize the sole source agreement with BCG Engineering Inc. to provide engineering services in support of this project.

BOARD'S OPTIONS:

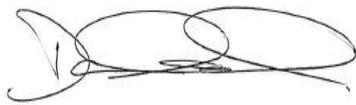
1. *Endorse the Recommendation(s).*
2. *Deny the Recommendation(s).*
3. *Defer.*
4. *Any other action deemed appropriate by the Board.*

LIST NAME OF REPORT(S) / DOCUMENT(S) AVAILABLE FROM STAFF:

Report Approval Details

Document Title:	UBCM Grant Application and Sole Source.docx
Attachments:	
Final Approval Date:	Feb 11, 2019

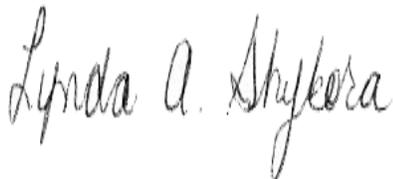
This report and all of its attachments were approved and signed as outlined below:



Darcy Mooney - Feb 11, 2019 - 7:57 AM



Jodi Pierce - Feb 11, 2019 - 8:14 AM



Lynda Shykora - Feb 11, 2019 - 11:02 AM



Charles Hamilton - Feb 11, 2019 - 11:10 AM