



ADMINISTRATIVE REPORT

Report Date: April 16, 2018
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Meeting Date: May 2, 2018

TO: Standing Committee on City Finance and Services

FROM: General Manager of Finance, Risk and Supply Chain Management in consultation with the General Manager of Engineering Services

SUBJECT: Funding Application to BC Community Emergency Preparedness Fund - Structural Flood Mitigation

RECOMMENDATION

THAT Council approve a funding application to UBCM's Community Emergency Preparedness Fund – Structural Flood Mitigation for \$750,000 toward the Fraser River Flood Protection – East Fraser Lands Area 2 (Phase 2) project.

REPORT SUMMARY

The City's [2015-2018 Capital Plan](#) funding strategy contemplates securing of senior government contributions toward a number of Council priorities. The application supports climate change adaptation.

This report seeks Council's approval for submitting a funding application to the Structural Flood Mitigation stream of the Union of BC Municipalities (UBCM) Community Emergency Preparedness Fund.

COUNCIL AUTHORITY/PREVIOUS DECISIONS

UBCM funding programs typically require a resolution of Council as part of the funding application package.

CITY MANAGER'S/GENERAL MANAGER'S COMMENTS

The General Manager of Finance, Risk and Supply Chain Management and the General Manager of Engineering Services recommend approval of the report.

REPORT

Background/Context

The Community Emergency Preparedness Fund (CEPF) was created by the Province in March 2017 with an allocation of \$32 Million. It is managed by the Union of BC Municipalities (UBCM).

The program is meant to enhance the resiliency of local governments and their residents in responding to emergencies. There are five streams with sequential deadlines. This report is seeking Council approval for the following below stream:

- Structural Flood Mitigation

The intent of the Structural Flood Mitigation funding stream is to support eligible applicants to prevent, eliminate or reduce the impacts of hazards through construction of structural flood mitigation projects. The maximum grant under this stream is 100% of eligible project costs to a maximum of \$750,000. The application deadline was April 13, 2018.

A resolution of Council is required for each funding application. Resolutions can be submitted after the application submission deadline.

Strategic Analysis

Fraser River Flood Protection Project – East Fraser Lands Area 2 (Phase 2)

The application to support this project is being submitted under the Structural Flood Mitigation stream.

In late 2017, the City completed a Flood Management Works Concept for the East Fraser Lands (EFL). The plan separated the EFL into 3 zones (Area 1, Area 2 and Area 3) and proposed flood mitigation plans for each distinct area. The mitigation plans were developed based on the flood hazard review and a corresponding assessment of local food management issues including river bank erosion, slope stability and seismic performance, environmental considerations, and internal drainage. Based on the assessment, Area 2 which extends from Kerr Street to approximately 650 m east was identified as the initial phases of the overall Fraser River Flood Protection Project. Area 2 was separated into two phases: Phase 1 is the Kinross park floodwall and the soil densification along the alignment of the flood management works; Phase 2 is the remaining Area 2 works including the transitional dike and land raising. This CEPF-Structural Flood Mitigation application will be for EFL Area 2 - Phase 2 only.

The project is currently at the 50% design stage. The next steps are completion of the detailed design and construction. The anticipated schedule is to coordinate with both phases of EFL Area 2 and to complete construction in summer 2020.

Implications/Related Issues/Risk

Financial

The Fraser River Flood Protection – East Fraser Lands Area 2 – Phase 2 works - are estimated to cost approximately \$2.6 million. Staff recommends that the City request the maximum \$750,000 in UBCM funding. The City of Vancouver will fund the remaining \$1.8M, with the source of funding being the existing East Fraser Lands Shoreline protection budget.

CONCLUSION

By applying to the BC Community Emergency Preparedness fund, the City has the opportunity to access external funding of up to \$750,000 to support the Council priority of climate change adaptation through this structural flood mitigation project.

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