



REPORT

Report Date: May 27, 2020
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VanRIMS No.: 08-2000-20
Meeting Date: June 24, 2020

TO: Standing Committee on Policy and Strategic Priorities

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

SUBJECT: Funding Application to BC Community Emergency Preparedness Fund – Flood Risk Assessment, Flood Mapping and Flood Mitigation Planning

RECOMMENDATION

THAT Council approve a funding application to Union of BC Municipalities' (UBCM) Community Emergency Preparedness Fund – Flood Risk Assessment, Flood Mapping and Flood Mitigation Planning for \$150,000 toward the Engineering Design Reference for Shoreline Flood Protection project.

REPORT SUMMARY

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

The City's 2019-2022 Capital Plan funding strategy identifies securing of senior government contributions as a funding source to achieve a number of Council priorities. This funding application supports climate change adaptation through planning for a resilient shoreline.

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 this 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 purpose of the program is to enhance the resiliency of local governments and their residents in responding to emergencies. As of May 2019, there were seven streams with sequential deadlines. This report is seeking Council approval for the following stream:

- Flood Risk Assessment, Flood Mapping and Flood Mitigation Planning

The intent of the Flood Mitigation Planning stream is to support eligible applicants to ensure they have accurate knowledge of their flood hazards and to develop effective strategies to mitigate and prepare for those risks. The maximum grant under this stream is 100% of eligible project costs to a maximum of \$150,000. The application deadline was January 24, 2020.

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

Strategic Analysis

Engineering Design Reference for Shoreline Flood Protection

The application to support this project is being submitted under the Flood Risk Assessment, Flood Mapping and Flood Mitigation Planning stream.

To enable city-wide implementation of coastal flood protection infrastructure, an Engineering Design Reference for Shoreline Flood Protection is proposed to provide performance standards that are adaptable for the future and relevant to the City's urban shoreline. This Design Reference facilitates implementation of the City's Coastal Flood Risk Assessment (CFRA) recommendations. The CFRA program was a multi-phased project completed by the City to assess flood hazards, impacts, consequences, losses, and risks in floodplains along the City's coastline including along the Fraser River. The CFRA provided a comprehensive understanding of our flood risk and vulnerabilities, both now and with a changing climate, and a roadmap for moving forward into implementation. The Engineering Design Reference will establish a consistent approach to the design of shoreline flood protection infrastructure based on the requirements provided by the Province of BC, while incorporating an urban context and supplemental benefits to surrounding communities and the environment.

The Engineering Design Reference supports the Council recommendation from Council Report (RTS 12382) that Council direct staff to develop by-laws, regulations, and policies to guide the

design of engineered shoreline flood protection such that it is adaptable and built to a consistent performance standard.

Financial

The Engineering Design Reference for Shoreline Flood Protection project is estimated to cost approximately \$150,000. Staff recommends the City request the maximum, \$150,000, in UBCM funding. Any difference from the total project cost and the approved grant will be funded from the approved 2019-22 multi-year investigation and design capital program budget within Sewers Operations.

CONCLUSION

By applying to the BC Community Emergency Preparedness fund, the City has the opportunity to access external funding of up to \$150,000 to support the Council priority of climate change adaptation.

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