Report to Council

Date:	March 11, 2019
File:	0710-60
To:	City Manager
From:	Rod MacLean, Utilities Planning Manager
Subject:	UBCM - Community Emergency Preparedness Fund (CEPF) - Kelowna Flood Mitigation Plan for Okanagan Lakeshore application

Recommendation:

THAT Council receives, for information, the report from the Utilities Planning Manager dated March 11, 2019, with respect to the UBCM - Community Emergency Preparedness Fund (CEPF) - Kelowna Flood Mitigation Plan for Okanagan Lakeshore application;

AND THAT Council authorizes staff to apply for a UBCM - Community Emergency Preparedness Fund - Flood Risk Assessment, Flood Mapping and Flood Mitigation Planning Program Grant;

AND THAT upon confirmation of the grant award, the 2019 Financial Plan be amended to include the receipt of up to $75,000 in grant funding.

Purpose:

To receive Council approval to apply for a UBCM Community Emergency Preparedness Fund – Flood Risk Assessment, Flood Mapping and Flood Mitigation Planning Program Grant.

Background:

The City is currently conducting studies in 2019 that help address some of the City built and natural infrastructure risks from future flooding, as well as creating flood mapping on Mill Creek and smaller tributaries.

This project and associated application for grant funding is to address the specific mitigation requirements of shoreline damage at vulnerable sites along Okanagan Lake within the City. The project will focus on the entire 35 kilometer length of Okanagan Lake foreshore, where the land use consists primarily of access roads, public parks, private residences, developments, boat launches, piers, marinas and natural shoreline. The project will take into account the impact of the Bennett Bridge that generally separates the lake into north and south; separating the risk exposure of wave action due to fetch distances and sediment transport patterns along the foreshore.

The project would result in the development of a Flood Mitigation Plan that supplements presently funded studies. The modelling will help address impacts of wave action on flood water levels, as this is what caused the majority of costly damages on the foreshore during the 2017 Okanagan Lake flood event. Elements of GIS-based mapping and risk assessment results by others, and cost benefit analysis will inform permanent mitigation works planning for future funding opportunities.

The outcome of this project will be a tool for use by the City, and collaboratively for Central Okanagan communities. Deliverables include GIS-compatible mapping and a Flood Mitigation Plan. The work will be completed by qualified professionals hired as part of the project.

As part of the application process, a Council resolution is required indicating support for the current proposed activities and willingness to provide overall grant management.

Internal Circulation:
Divisional Director, Corporate Strategic Services
Financial Planning Manager
Grants & Special Projects Manager
Infrastructure Engineering Manager
Utility Services Manager

Financial/Budgetary Considerations:
The City is requesting a $75,000.00 grant from the UBCM Community Emergency Preparedness Fund – Flood Risk Assessment, Flood Mapping and Flood Mitigation Planning Grant Program. Similar applications are being submitted by the Regional District of Central Okanagan and other nearby communities. It is anticipated that the work will be completed by a single Consultant team whose scope will depend on how many communities are successful in obtaining a grant.

Considerations not applicable to this report:
Existing Policy:
Legal/Statutory Authority:
Legal/Statutory Procedural Requirements:
Personnel Implications:
External Agency/Public Comments:
Communications Comments:
Alternate Recommendation:

Submitted by:

Rod MacLean, P.Eng
Utilities Planning Manager

Approved for inclusion: A. Newcombe, Divisional Director - Infrastructure

cc: Divisional Director, Financial Services
Divisional Director, Infrastructure