

Municipality of Lakeshore – Report to Council

Operations

Engineering & Infrastructure



To: Mayor & Members of Council

From: Marco Villella, P.Eng., Division Leader – Engineering & Infrastructure
Sarah Zaarour, P. Eng., Team Leader – Storm & Sanitary

Date: May 5, 2023

Subject: Flood Mitigation and Protection Framework Update, May 2023

Recommendation

This report is for information only.

Background

On July 16, 2021 and into the morning of July 17, 2021, the Municipality of Lakeshore received a significant amount of rainfall that attributed to areas of flooding across Lakeshore and surrounding areas. With the changing climate impacting the region, it is expected that current infrastructure will continue to struggle to manage the volume of stormwater and that the risk of flooding will continue with extreme events.

Based on this, Lakeshore developed the Flood Mitigation and Protection Framework (FMPF) to assist with management of storm events and to mitigate the effects of flooding. This framework was initially presented to Council at the August 12, 2021 Council meeting.

The framework identified additional approaches to address flooding concerns. These approaches include:

- Smoke Testing program and enforcement of repairs
- Expanded building and occupancy inspections
- Review drainage areas and recommended Drainage Act initiation
- Review and updates to Lakeshore's Official Plan and Zoning By-Laws
- Review and update of Lakeshore's Development Manual
- Development of a Flood Rapid Response Plan
- Staffing Plan to execute and support the FMPF

Updates to Council regarding the FMPF forms part of the framework with the first update provided on June 14, 2022. The second update of the FMPF is being presented at this May 30, 2023 Regular Council Meeting.

Comments

The following presentation provides an update related to the progress made on the FMPF elements and includes additional flood mitigation enhancement measures that have been incorporated into the plan.

Financial Impacts

There are no financial impacts at this time. All identified costs have been approved through the framework and subsequently through the budget process.

Attachments

Attachment 1 - Flood Mitigation and Protection Framework Update PowerPoint Presentation

Report Approval Details

Document Title:	Flood Mitigation and Protection Framework Update - May 30, 2023.docx
Attachments:	- Flood Mitigation and Protection Framework Update.pdf
Final Approval Date:	May 25, 2023

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

Prepared by Marco Vilella and Sarah Zaarour

Submitted by Krystal Kalbol

Approved by Justin Rousseau and Truper McBride