

# Memorandum to the Council of Corporation of the Municipality of Temagami

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**Subject:** 2024 Community Risk Assessment Annual Review – Year 1

**Memo No:** 2025-M-171

**Date:** August 14, 2025

**Attachment:** None

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## Recommendation

BE IT RESOLVED THAT Council receives Memo 2025-M-171 as presented.

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## Executive Summary

Temagami Fire has reviewed the Community Risk Assessment and mandatory profiles, as it relates specifically to Temagami Fire Department activities in year one of the CRA, confirming this annual update accurately reflects existing and emerging fire and emergency risks to inform decisions about the provisions of fire protection services.

Temagami Fire notes positive progress for the most part on many recommendations in section “6.1 Recommendations achievable with current resources”. While several initiatives are moving forward, action on these initiatives are also being prioritized against a number of new municipal initiatives over the past year.

An emerging Critical Infrastructure issue surrounds the water distribution systems and supply capacity hydrants can provide towards fire suppression efforts; preliminary results associated with engineered water flow study suggests the fire department would have difficulty suppressing a residential structure fire that is more than 25% involved with 100% reliance on hydrant water supply while maintaining sufficient pressures to maintain drinking water quality standards. Additional evaluation is ongoing.

## Introduction

Ontario Regulation 378/18: Community Risk Assessment, (CRA) under the *Fire Protection and Prevention Act, 1997, S.O. 1997, c. 4* mandated the creation of a Community Risk Assessment based on 9 mandatory profiles, by July 1, 2024, updated every 5 years, with an annual review to determine if there is any identifiable changes, if those changes are significant enough to require a new CRA and/or are additional mitigation factors need to be considered / developed / implemented. The CRA and profiles listed in the 10 worksheets associated with in the development of the CRA are *to be interpreted as extending only to matters relevant to fire protection services*.

## CRA 2024 Recommendations Update

The review focused on recommendations in section 6.1, being recommendations considered achievable with current resources. As section 6.2 recommendations are based on the 2020 Municipal Service Delivery Review recommendations, the relevance of these recommendations is simply confirmed.

### 1. Review and update the current Fire Prevention Policy, By-law 09-847

- Initial review completed, waiting on insurance risk assessment regarding pump training for water access only residents prior to updating the by-law
- Wildfire resiliency / property survivability education components being worked on.
- Temagami fire working towards developing work planning templates and tracking forms for internal reporting; may assist with level of service reporting

### 2. Staff Training in Fire Cause Determination – on target for 2025 completion

- One officer scheduled to attend NFPA training course in late 2025

### 3. Staff training for Incident Reporting – December 2024 **COMPLETED**

- Both departments met to review codes for specific responses where coding inconsistencies noted; use of similar codes will support data evaluation during the development of the 2030 CRA.

### 4. Review CRA Worksheet 10 - Worksheet 10 is a summary of all 9 CRA profiles, identifying risks and associated strategies to address the individual risks. During the review, emerging issues were identified in 2 of the 9 mandatory profiles:

- Geographic Profile: new signal lights with barrier arms being installed at railway crossings. A perceived concern has been raised regarding faulty triggered signals with the signal arms potentially blocking access across the rails, impacting local traffic flow, including emergency services.
- Critical Infrastructure: concern with water distribution systems and unknown water volumes available for fire suppression; initiated an engineered water flow study with preliminary flows/volumes results obtained.

Current hydrant flow calculations for Temagami north suggest hydrants have a supply capacity is around 100 -150 gal/min at 20 PSI, where a fully involves structure fire for a typical residence in the townsite would require 600 gal/min. Further field studies in collaboration with Ontario Clean Water Agency will be required to complete the analysis /quantify available volumes in relation to maintaining minimum drinking water standards.

Based on the results of the field study, operating procedures and mitigation strategies to be developed. Temagami south water distribution system will be evaluated once the work at Temagami north is completed.

## **5. CRA Annual Review**

- Completed year 1 review of the CRA for the Temagami Fire Department response area; summary report completed, updating of CRA profiles are not required until further analysis of year 1 identified concerns is completed.