

FIRE MASTER PLAN 2024-2033



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Project Overview

- Introduction
- Prepared mandatory **Community Risk Assessment (CRA)** required Ontario Regulation 378/18 (new).
- New **CRA legislation requires** municipalities utilize their completed CRA to “**inform all decisions**” related to the delivery of **fire protection services (FPS)** within their community. Foundational and specific to each municipality for risk, growth, & emerging issues.
- CRA findings have been utilized to inform the proposed **Fire Master Plan (FMP)**. **Multi-year** strategic framework for the delivery of fire protection services.
- Plan includes **Recommendations** based upon Fire Strategic Goals, CRA compliance and aligns with **Council Strategic Priorities**.



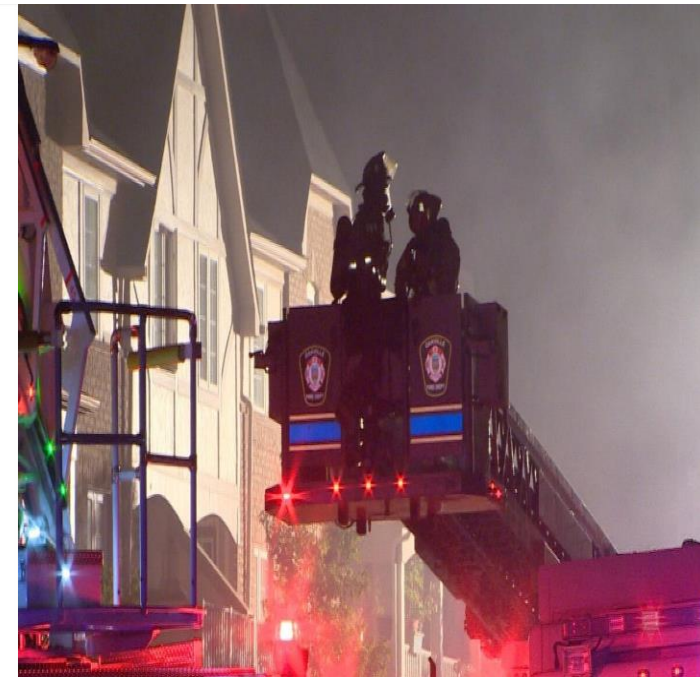
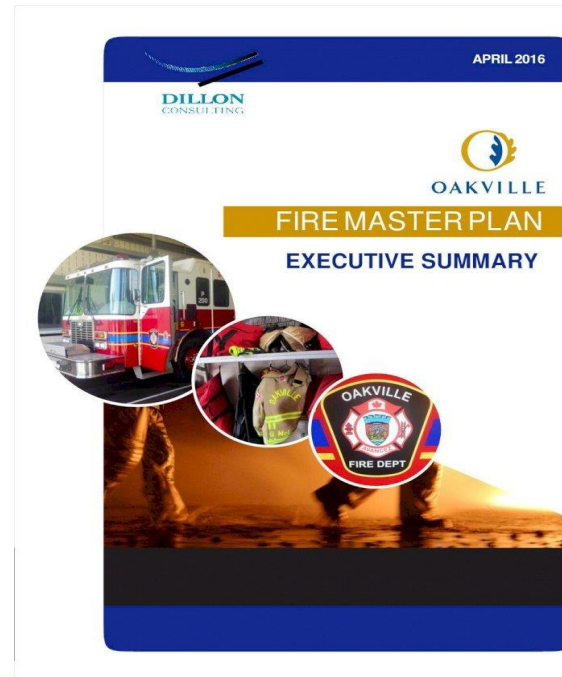
Project Scope - Fire Master Plan

- **Comprehensive evaluation** of all current fire services through divisional reviews.
- Compared to **legislated requirements** and **municipal best practices**.
- Proactively prepare for future growth and recommendations for actual & realized growth.
- Provide supporting documentation to inform the CPSE accreditation process.
- Comprehensive and broad internal and external stakeholder engagement program.



FMP- High Level

- Continuous improvements to maintain levels of service amidst planned & realized growth.
- Compliance for current and forecasted legislation & standards requirements.
- Achieve fire strategic goals through recommendations and guiding principles from FMP process.
- FMP process has historically been well received & accepted in Oakville and 2024 plan is even more comprehensive.



Fire Strategic Goals and Key Council Objectives

Fire Strategic Goals

- Use of CRA to determine OFD FMP goals & objectives
- Optimization of the Three Lines of Defence
- Strategies that support continuous improvement
- Delivery of fire protection services to meet current needs, and planned future growth and intensification
- Asset Management
- Climate Action
- Technological and Data Management Opportunities
- Inclusion, Diversity Equity and Accessibility



Key Council Priorities

- Growth Management
- Community Belonging
- Accountable Government
- Environmental Sustainability

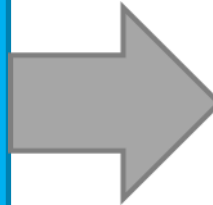
Principles

- Leadership
- Inclusivity
- Fiscal Responsibility
- Sustainability
- Quality of Life
- Excellence

Project Process

COMMUNITY RISK ASSESSMENT (CRA)

- Analysis of 9 mandatory risk profiles
- Identification of Risk Outcomes (Key Risks & Key Findings)



FIRE MASTER PLAN (FMP)

- 10-Year Strategic Planning Document for the delivery of all fire protection services
- Identify proposed service levels for:
 - Community Fire Safety and Risk-Reduction
 - Fire Suppression
 - Provide recommendations for implementation of FMP following Council's approval



Guiding Legislation

- **Fire Protection and Prevention Act 1997 (FPPA):**
 - Municipal Responsibilities.
 - Fire Chief's Responsibility to Council.
 - New Ontario Regulation 387/18 – Community Risk Assessments.
 - New Ontario Regulation 343/22 – Firefighter Certification.
- **Ontario Health and Safety Act**
 - Section 21 Guidance Notes (fire service).
- **Ontario Fire Code**
 - Code Enforcement, Smoke Alarms, Fire suppression systems, etc.



Guiding Legislation (New)

- **Ontario Regulation 378/18: Community Risk Assessments** requires all municipalities in Ontario to:
 - **develop a CRA.**
 - use the CRA to “**inform decisions about the provision of fire protection services**”.
 - **Review the CRA annually and update it every five years or as needed.**
 - **Came into effect under FPPA July 1st, 2019 Municipal Compliance July 1, 2024.**

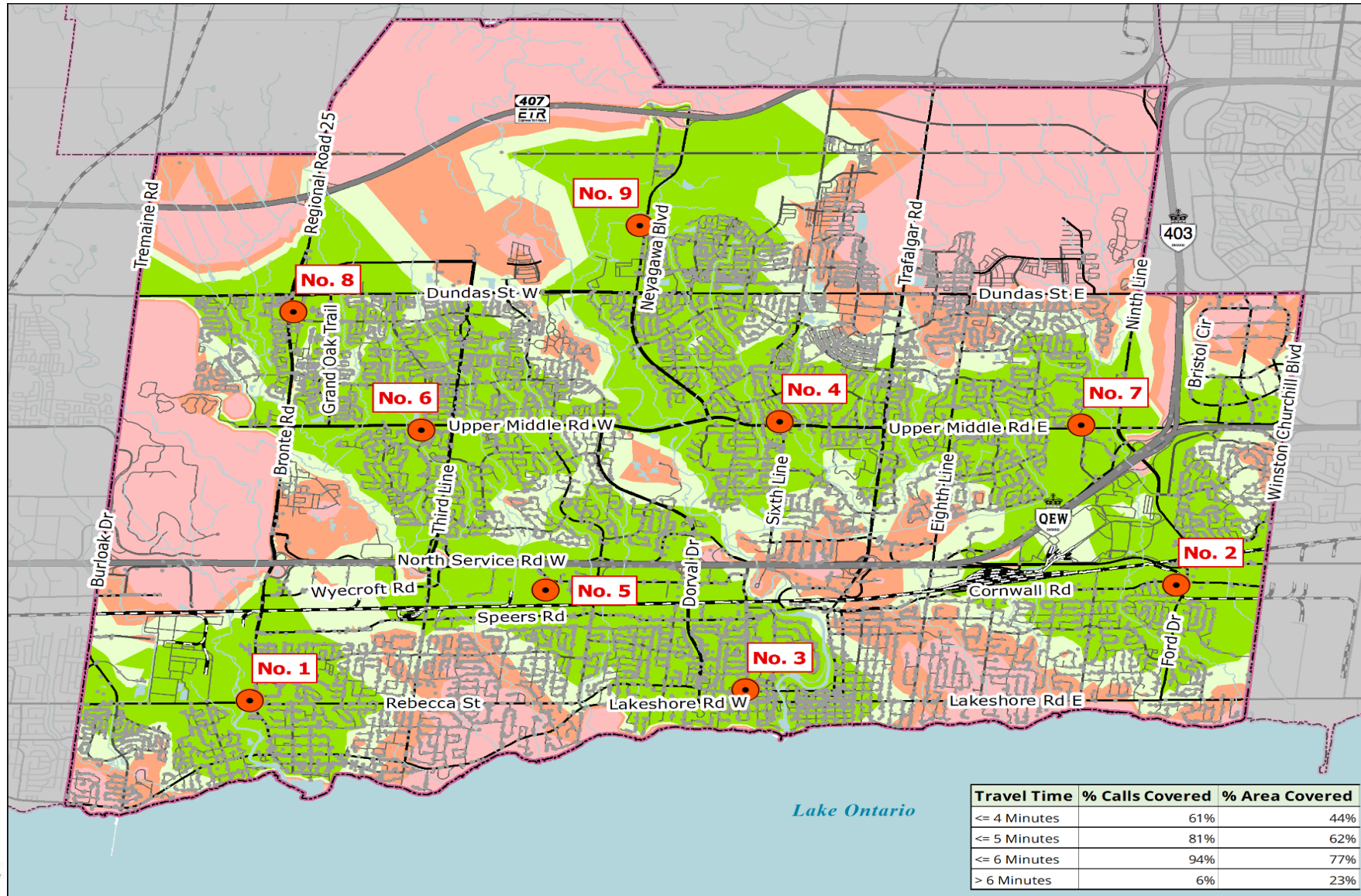


Industry Best Practices & Standards

- **OFM guidelines** (Public Fire Safety Guidelines, Technical Guidelines, Communiques, etc.).
- OFM's Three Lines of Defence model.
- **NFPA Standards** (e.g. NFPA 1710, 1730, 1221, 1300, 1500 etc.)
- **CPSE – CFAI Accreditation** (Continuous Improvement; Standards of Cover and Risk Assessment).
- Technical Reports (e.g. National Institute of Standards and Technology)
- Fire Underwriters Survey.
- Municipal best practices.



Existing Conditions Initial Arriving Apparatus



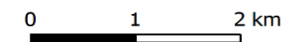
TOWN OF OAKVILLE

INITIAL ARRIVING COMPANY EXITING CONDITIONS

- Historic Incident (2015-2022)
 - Existing Station Location
- Travel Time**
- 4 Minutes at Network Speed
 - 5 Minutes at Network Speed
 - 6 Minutes at Network Speed
 - > 6 Minutes at Network Speed

BASE DATA

- ▭ Town of Oakville Boundary
- Freeway
- Arterial Road
- Collector Road
- Local Road
- Rail Line
- ☞ Water Feature



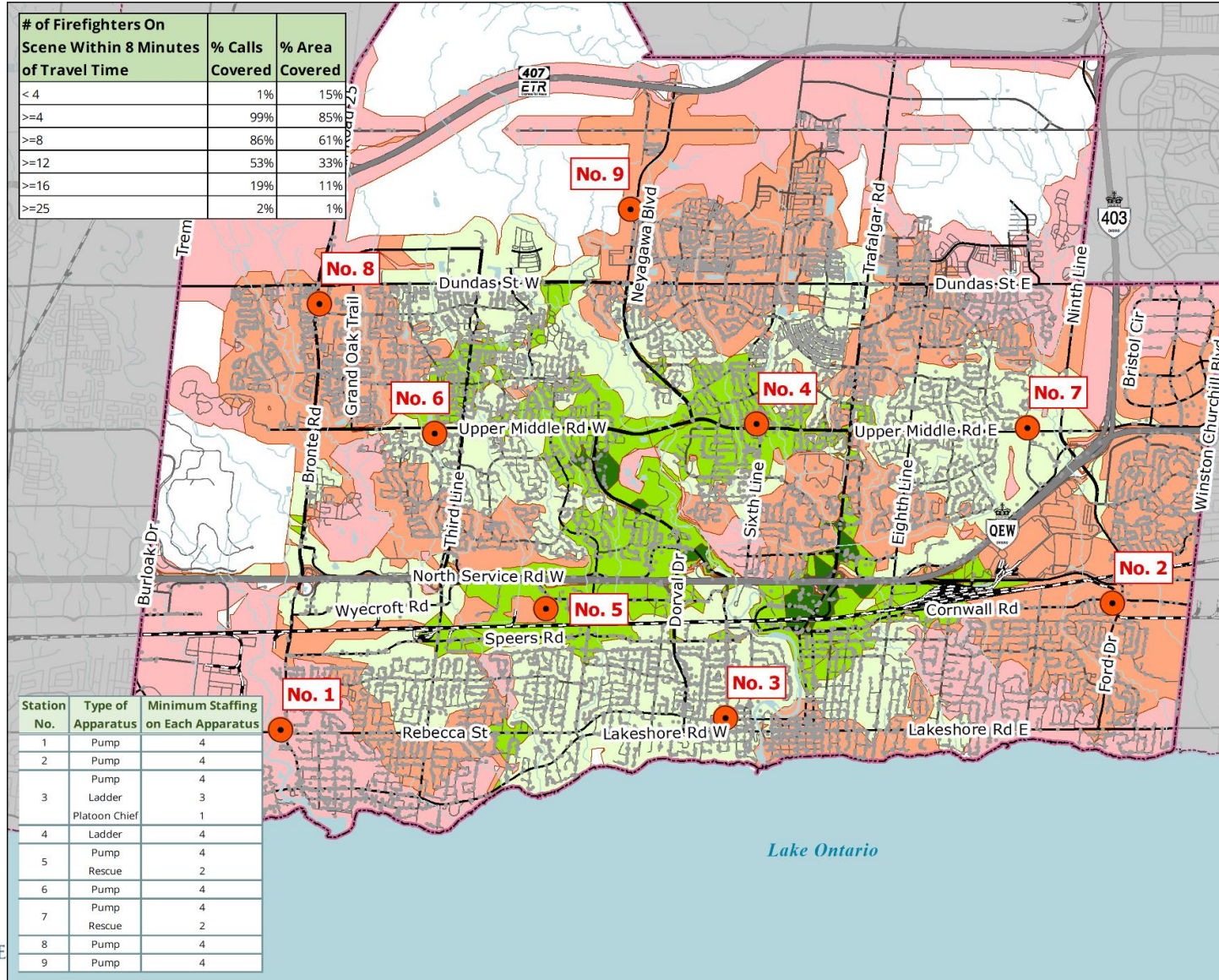
DATA PROVIDED BY:
TOWN OF OAKVILLE, MNRFP

MAP CREATED BY: GM
MAP CHECKED BY: SCD
MAP PROJECTION:
NAD 1983 UTM Zone 17N

PROJECT: 21-3053
STATUS: DRAFT
DATE: 2023-06-30

Travel Time	% Calls Covered	% Area Covered
<= 4 Minutes	61%	44%
<= 5 Minutes	81%	62%
<= 6 Minutes	94%	77%
> 6 Minutes	6%	23%

Existing Conditions – Initial Full Alarm Assignment



TOWN OF OAKVILLE INITIAL FULL ALARM ASSIGNMENT EXITING CONDITIONS

- Historic Incident (2015-)
- Existing Station Location
- Number of Staff On Scene within 8 Minutes of Travel Time**
- ≥ 4 Firefighters
- ≥ 8 Firefighters
- ≥ 12 Firefighters
- ≥ 16 Firefighters
- ≥ 25 Firefighters

- ### BASE DATA
- Town of Oakville Boundary
 - Freeway
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 - Rail Line
 - Water Feature



DATA PROVIDED BY:
TOWN OF OAKVILLE, MNRF

MAP CREATED BY: GM
MAP CHECKED BY: SCD
MAP PROJECTION:
NAD 1983 UTM Zone 17N

Station No.	Type of Apparatus	Minimum Staffing on Each Apparatus
1	Pump	4
2	Pump	4
3	Pump Ladder Platoon Chief	4 3 1
4	Ladder	4
5	Pump Rescue	4 2
6	Pump	4
7	Pump Rescue	4 2
8	Pump	4
9	Pump	4

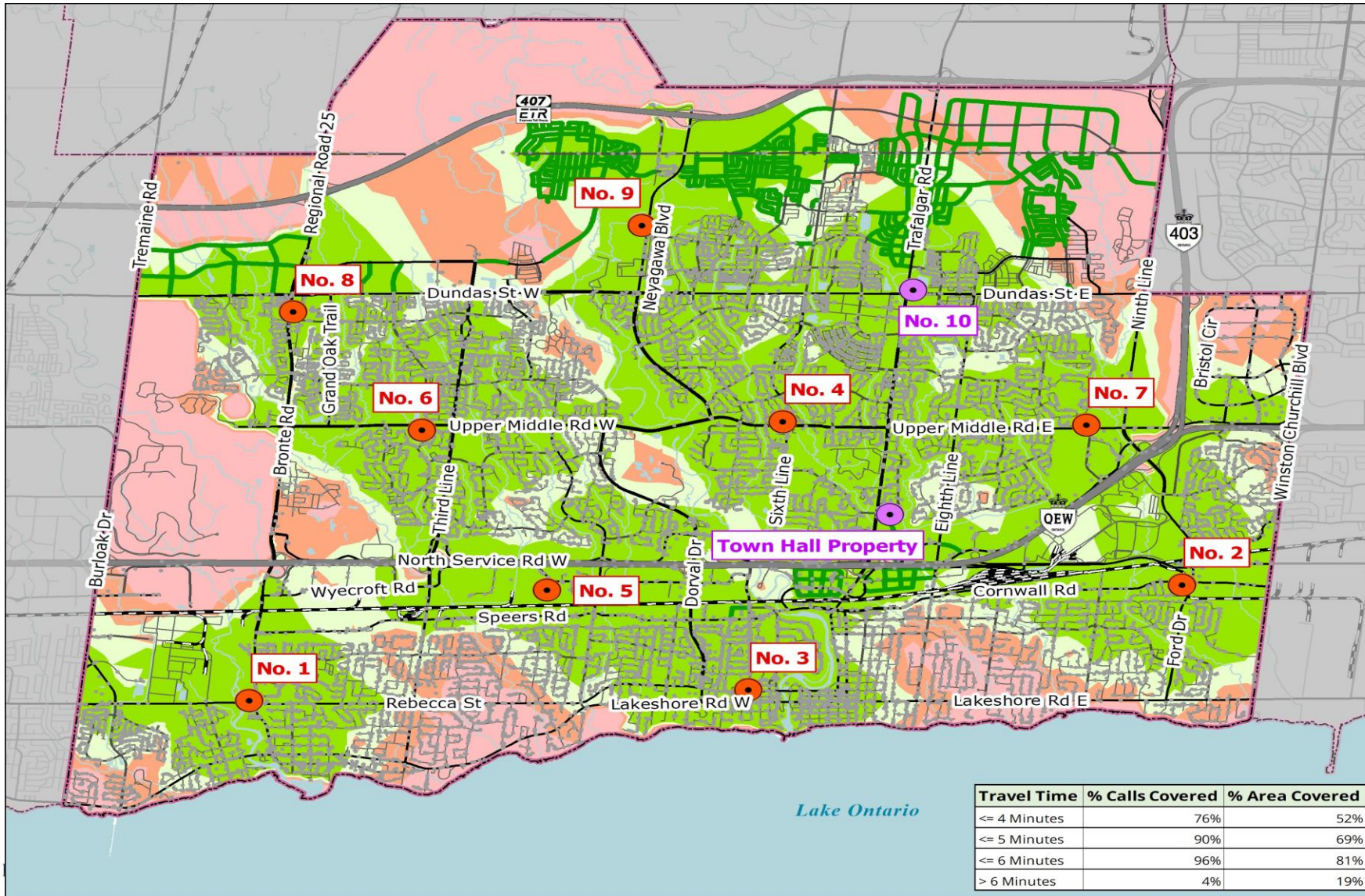
# of Firefighters On Scene Within 8 Minutes of Travel Time	% Calls Covered	% Area Covered
< 4	1%	15%
>=4	99%	85%
>=8	86%	61%
>=12	53%	33%
>=16	19%	11%
>=25	2%	1%

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>=12	53%	33%
>=16	19%	11%
>=25	2%	1%



Proposed Coverage New Stations Future Growth



TOWN OF OAKVILLE INITIAL ARRIVING COMPANY PROPOSED STATIONS 10 AND TOWN HALL PROPERTY

- Existing Station Location
 - Proposed Station Location
 - Historic Incident (2015-2022)
 - Future Road Network
- Travel Time**
- 4 Minutes at Network Speed
 - 5 Minutes at Network Speed
 - 6 Minutes at Network Speed
 - > 6 Minutes at Network Speed
- BASE DATA**
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PROJECT: 21-3053
STATUS: DRAFT
DATE: 2023-11-06

Travel Time	% Calls Covered	% Area Covered
<= 4 Minutes	76%	52%
<= 5 Minutes	90%	69%
<= 6 Minutes	96%	81%
> 6 Minutes	4%	19%



Oakville Fire: Three Lines of Defense (TLoD)



Next Steps & Recommendations

- That Council approve the 2024 Fire Master Plan;
- That Council receive the Community Risk Assessment;
- That Council direct the Fire Chief to use the 2024 Fire Master Plan as a reference document to support the delivery of Fire Protection Services over the next 10 years (2024-2033);
- That the financial investments recommended within the 2024 FMP inform the ten year capital forecast based on prioritization of funding and growth forecasts as part of the long-term community investment plan. All recommendations with financial considerations are reviewed during the annual budget process.



Questions?



Thank you!!