



BUILDING MARKHAM'S
FUTURE TOGETHER



Master Fire Plan Cornell 2nd Crew Report



Background

Further to the presentation to Council April 9, 2018 a report was put forward as requested by Council which seeks approval to move forward with the 2nd crew at Station 99 in Cornell. The report addresses several of questions asked during the presentation and recommends that Council approve the 2nd crew at Cornell.

Presentation Questions and Additional Information

- Is there a different way of operating the fire service ?
- Can MFES utilize dynamic crews ?
- Access to public safety answering point data ?
- Three vs. 4 member crew ?
- GIS Fire Mapping Data 2012 - 2017

Impacts as a result of Adding the Second Crew

- Improved level of service in line with the Council approved level of service,
- Improved response times across the City,
- Improved capability to perform rescue safely,
- Improved level of firefighter safety,
- Further enhanced dynamic staging, and
- Potential for a decrease in property damage.

Master Fire Plan

As indicated during the April 9th presentation, the Council Approved Master Fire Plan details the initial 1st Alarm Response to include the 1st arriving truck with 4 firefighters in a 4 minute travel time and the balance of the 1st alarm of 12 firefighters within an 8 minute travel time to 90% of the urbanized area. This response is based on best practice as indicated by the National Fire Protection Association. All research and planning has been in accordance with the approved level of service and targets described in the Master Fire Plan.

Fire Chief's Responsibility

Fire Protection and Prevention Act 1997 (FPPA)

Responsibility to Council

6.(3) A Fire Chief is the person who is ultimately responsible to the Council of a municipality that appointed him or her for the delivery of fire protection services.

Once Council has approved the level of service, Council assumes responsibility while the Fire Chief is accountable to manage delivery of fire protection services and make recommendations for any changes or improvements.

Current 8 Minute Response

Ward 1	
8 mins	25%

Ward 2	
8 mins	46%

Ward 3	
8 mins	94%

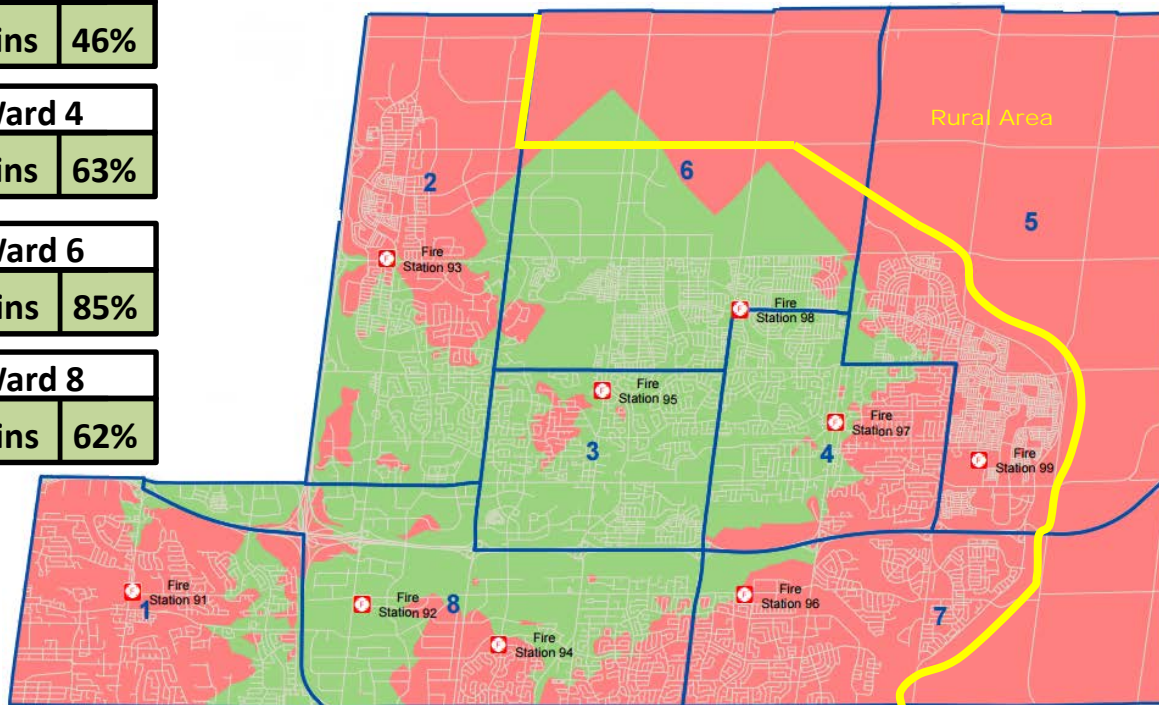
Ward 4	
8 mins	63%

Ward 5	
8 mins	5%

Ward 6	
8 mins	85%

Ward 7	
8 mins	6%

Ward 8	
8 mins	62%



GOAL

16 Firefighters
in 8 minutes
travel time
90% of the
time

Green Area

8 minute or less
response

Red Area

Greater than 8
minute response



Cornell Second Crew Impact

8-Minute Response (16 Firefighters)

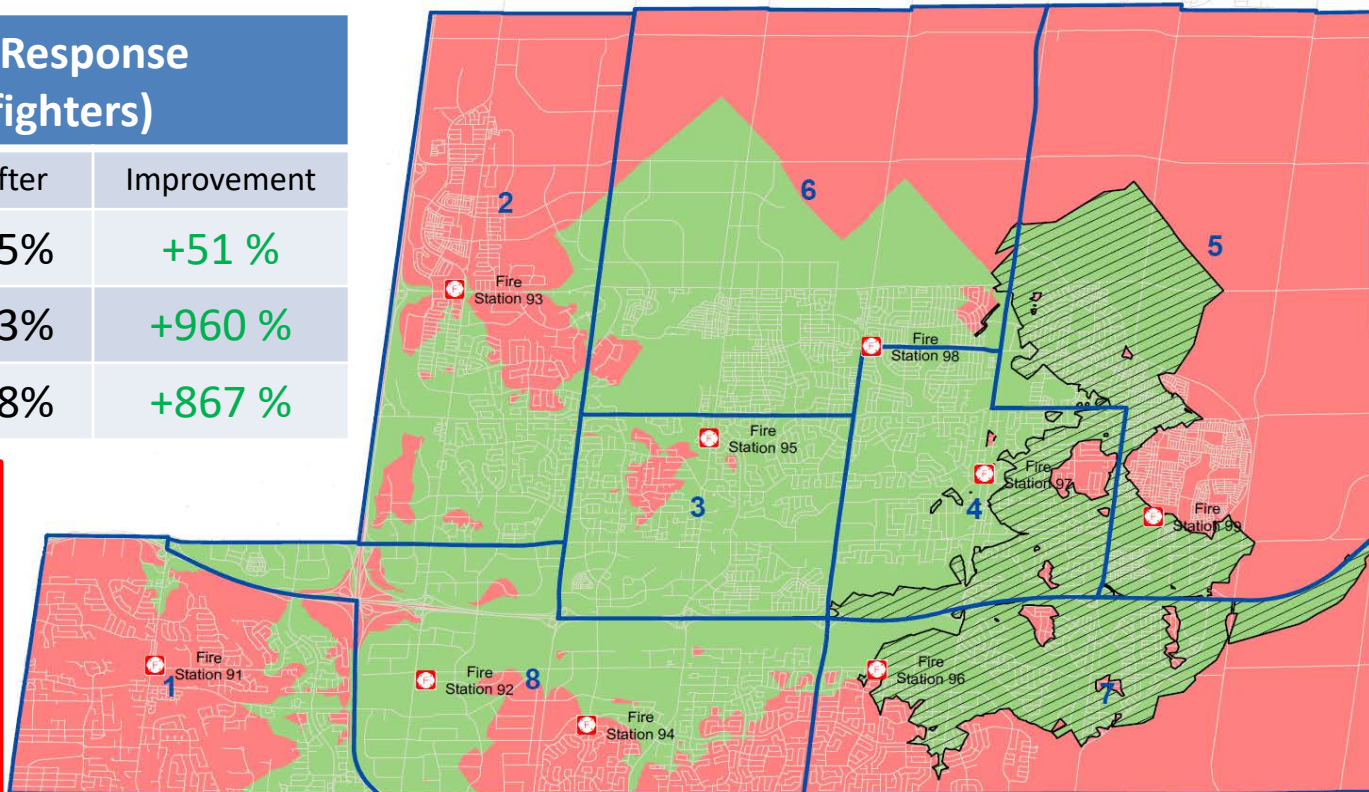
Ward	Existing	After	Improvement
4	63% →	95%	+51 %
5	5% →	53%	+960 %
7	6% →	58%	+867 %

Green Area

8 minute or less
response

Red Area

Greater than 8
minute response



Summary

The Master Fire Plan provides recommendations for future stations, apparatus and staff based on growth in an effort to achieve a consistent and equitable level of service with the minimum resources necessary to respond to a fire.

As Fire Chief it is my duty to report information and make recommendations that provide Council an opportunity to make informed decisions. Due to continued growth and taking into consideration the fire response deficiencies in Ward 5 and 7 and in order to work toward a consistent and equitable level of service for the residents I recommend that Council approve the recruitment of the 2nd crew for Station 99 Cornell.

Questions

