

2017



HAMILTON FIRE DEPARTMENT ANNUAL REPORT



Fire Chief David Cunliffe
Hamilton Fire Department
March 2018

 Hamilton



HAMILTON FIRE DEPARTMENT

**HEALTHY AND SAFE COMMUNITIES DEPARTMENT
CITY OF HAMILTON**

HAMILTON FIRE DEPARTMENT LEADERSHIP TEAM

FIRE CHIEF

DAVID CUNLIFFE

DEPUTY FIRE CHIEF

**RANDY MOSS
WILLIAM PITTMAN**

ASSISTANT DEPUTY CHIEF

**SHAWN DEJAGER
STEVE MILLER
DAN MILOVANOVIC
JOHN VERBEEK**

DIVISIONAL CHIEF OF ADMINISTRATION

YVETTE MCCORMICK

AREA COMMANDER

RON JEFFRIES

EMERGENCY PLANNING COORDINATORS

**CARLA MCCRACKEN
CONNIE VERHAEGE**

**RF SYSTEMS SPECIALIST
(CORPORATE RADIO)**

ROGER KNAPMAN

HAMILTON FIRE DEPARTMENT FIRE OPERATIONS

PLATOON CHIEF

**MARK HODGE
MARK HOMMERSON
MARK MIDDLETON
WAYNE PRYDE**

DISTRICT CHIEF

**PAUL BLOOMFIELD
ENIO DINARDO
LAWRENCE MICHOR
JOHN PAWLIK
TIM RANKIN
CRAIG SQUIRES
ART THOMAS**

HAMILTON FIRE DEPARTMENT OPERATIONAL SUPPORT AND COMMUNITY SAFETY

CHIEF FIRE PREVENTION OFFICER

ROBERT SIMPSON

ASSISTANT CHIEF FIRE PREVENTION OFFICER

PETER DEBOER

CHIEF OF TRAINING

DARRELL HICKS

CHIEF MECHANICAL OFFICER

BRIAN KEENAN

CHIEF COMMUNICATIONS OFFICER

TRISH SCHWEITZER

TABLE OF CONTENTS

Page 3	Hamilton Fire Department Leadership Team
Page 4	Hamilton Fire Department Fire Operations Hamilton Fire Department Operational Support and Community Safety
Page 8	A Message from the Chief
Page 9	A Historical Look Back
Page 11	Organizational Structure
Page 13	Retirements
Page 15	Promotions
Page 16	Appointments
Page 18	Budget
Page 20	Fire Operations – Service Delivery
Page 22	2016 & 2017 Responses by Response Group
Page 23	Open Air Burning Responses
Page 24	Structure Fires
Page 27	Structure Fires by Ward and Occupancy Type
Page 28	Smoke Alarm Compliance
Page 29	Top 2 Causes of Residential Building Fires by Ward
Page 30	Top 2 Causes of Commercial Building Fires by Ward
Page 31	All Responses by Ward Fatalities
Page 32	Apparatus Responses
Page 35	Home Fire Safety Education Program

Page 36	Citizen Dashboard
Page 37	Fire Prevention Week 2017
Page 38	Box 43
Page 39	Hamilton Fire Department in the Community
Page 40	Fire Prevention Service Delivery
Page 43	Training Division Service Delivery
Page 45	Communications Division Service Delivery
Page 46	Mechanical Division Service Delivery
Page 47	Corporate Radio Service Delivery
Page 48	Emergency Management Service Delivery
Page 52	Hamilton Fire Stations and Apparatus

A MESSAGE FROM THE CHIEF



It is my pleasure to present to you the Hamilton Fire Department 2017 Annual Report.

I would like to take this opportunity to thank all of the women and men of the Hamilton Fire Department who give of themselves everyday to serve the citizens of our City. Whether it's our Communications personnel who answer the 911 calls and dispatch resources; our Fire Prevention staff who help educate our citizens and ensure buildings within the City are safe and up to code; our Mechanical Division personnel who ensure our apparatus and equipment are always ready to go when required; our Training staff who ensure our staff have the necessary training to safely and competently perform their jobs or our front line firefighters who are always ready to respond and help our citizens in their time of need, we collectively work together to deliver valued services and to increase the level of trust and confidence with our citizens each and every day.

2017 has been a year of significant accomplishments and highlights for the Hamilton Fire Department that included being the first municipal service to post performance and service information data on the City's new citizen dashboard, completion of an updated and consolidated Departmental Policy and Procedures manual and implementation of a highly successful Home Fire Safety Education Program in May of 2017. Thanks to the efforts of our front line staff, in the first seven months of the program, we have attended 11,700 homes and installed 1,347 smoke alarms and 273 batteries. We continue to receive thanks from both citizens and staff on the importance and success of this program.

Our Department has also faced several tragic and significant events this past year that have challenged staff. As I reflect back on some of these incidents, it is the care, compassion and professionalism shown by staff that leaves me with a deep sense of pride.

Moving forward, we remain committed to finding ways to continually improve. Our focus will be to gain a better understand the level of risk and needs of the City so that we can optimize the utilization of our resources while delivering the required level of service.

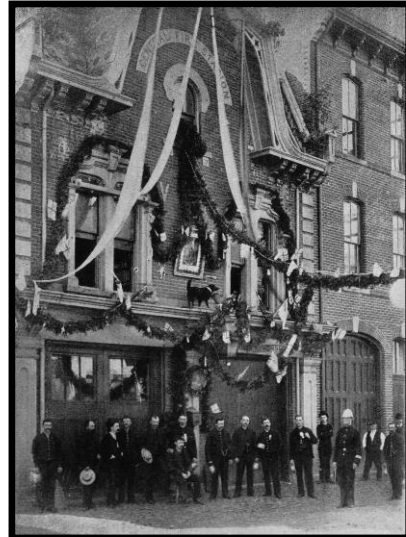
In closing, I would like to take this opportunity to express my sincere thank you to Mayor Eisenberger and the members of Council for all of the support that they have shown the Hamilton Fire Department during 2017. Additionally, I would like to personally thank our Acting General Manager Vicki Woodcox for her unwavering support to both myself and this Department.

Fire Chief David Cunliffe

A HISTORICAL LOOK BACK

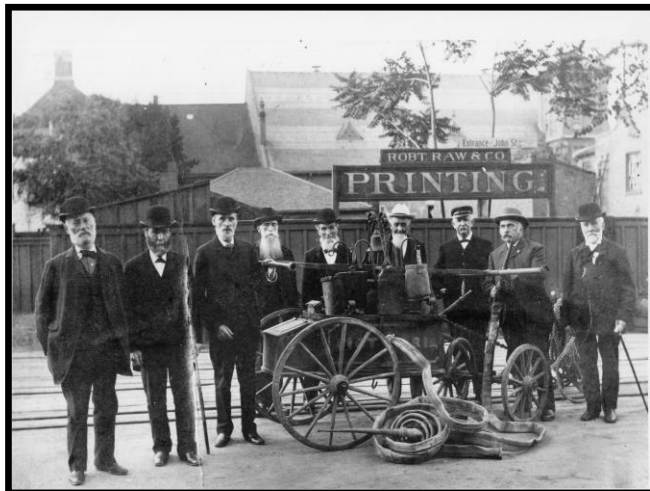
Rising from the ashes of a major fire in the downtown core of Hamilton on November 16, 1832, the Hamilton Fire Department has evolved from a citizen's bucket brigade into a fire service of over 750 personnel, including career and volunteer firefighters protecting our urban and rural communities.

Hamilton's first fire station was built in 1832 at 44 Hughson Street North followed by a second fire station built in 1836 at 55 King William Street. One hundred and eighty one year's later this location remains synonymous with the Hamilton Fire Department as it is where our west district Fire Prevention office is located.



Central Fire Station

In 1843, John Fisher; who operated a quarry at the corner of James and Merrick



1843 John Fisher Engine

Street, built a hand operated fire engine and donated it to the bucket brigade. This engine, towed by men with ropes was filled with water by buckets and then a hose was attached to the side. The men would then pump the water by hand. The John Fisher engine remains a prized possession of the Hamilton Fire Department to this day and is proudly displayed on the apparatus floor of Central fire station.

On January 14, 1879, the Hamilton Fire Department became a full time department and Alexander Aitchison was appointed Chief Engineer. Chief Aitchison inherited two old hose carts, a two horse hook and ladder truck, a supply wagon and a few horses. There were two Officers, seven permanent men and a 25 man call force that were paid only for attending alarms.

At that time, the Hamilton Fire Department protected an area of approximately four thousand acres with a population of almost 60,000 citizens.

By 1881, Chief Aitchison replaced the call men and there were now three Officers and 10 full time firemen. They were on duty 24hours a day with 75 minutes off to go home for a meal if they could make it. Chief Aitchison, whose motto was to get there fast, was killed in 1905 while responding to a fire when his horse drawn buggy collided with another fire engine at the corner of King and John Streets.

By 1919, the Hamilton Fire Department became the first Department in Canada to adopt a two platoon system. Also that year, the Hamilton Fire Department took possession of their first motorized piece of apparatus. Over the next seven years, additional motorized apparatus were purchased and in 1926, the horse drawn era came to an end on the Department.



1911 Seagrave

By 1929, a new fire alarm headquarters was built next to 55 King William Street and a fire alarm system with 45 alarm boxes located across the City was developed.

From 1945 – 1958, the gradual installation of communications equipment in all fire apparatus took place. In 1976 a sophisticated dispatch centre was opened at the King William Street location.

In 1979, the Hamilton Fire Department opened a five acre simulated fire and rescue complex on Stone Church Road East. This facility remained in place for 30 years. This location is now the home of the Multi-Agency Training Academy utilized by the Hamilton Fire Department, Hamilton Police Service and the Hamilton Paramedic Service.

The 1980's brought about a total task concept to service delivery with both firefighters and Fire Prevention personnel involved in enforcement of the Ontario Fire Code. The Hamilton Fire Department assumed responsibility for dispatching of alarms within the Regional Municipality of Hamilton-Wentworth.

Amalgamation took place in 2001 and fire departments from Ancaster, Dundas, Glanbrook, Flamborough and Stoney Creek merged with Hamilton to become one large Department.

Today, the Hamilton Fire Department provides services to a population of over 536,000 citizens in an area of approximately 1117 square kilometres. The Service operates from 30 remote sites including 26 fire stations, one Emergency Services Fleet Services Centre, one Fire Prevention business centre, one stores facility and the Multi-Agency Training Academy.

ORGANIZATIONAL STRUCTURE

In Ontario, the fire service is regulated through Provincial legislation that includes the Fire Protection and Prevention Act (FPPA), 1997, S.O. 1997. Part II of the FPPA states that:

2. (1) every municipality shall,
 - a) Establish a program in the municipality which must include public education with respect to fire safety and certain components of fire prevention; and
 - b) Provide such other fire protection services as it determines may be necessary in accordance with its needs and circumstances.

The FPPA authorizes the Council of a Municipality to establish, maintain and operate a fire department for all or any part of the municipality and to pass by-laws regarding fire prevention.



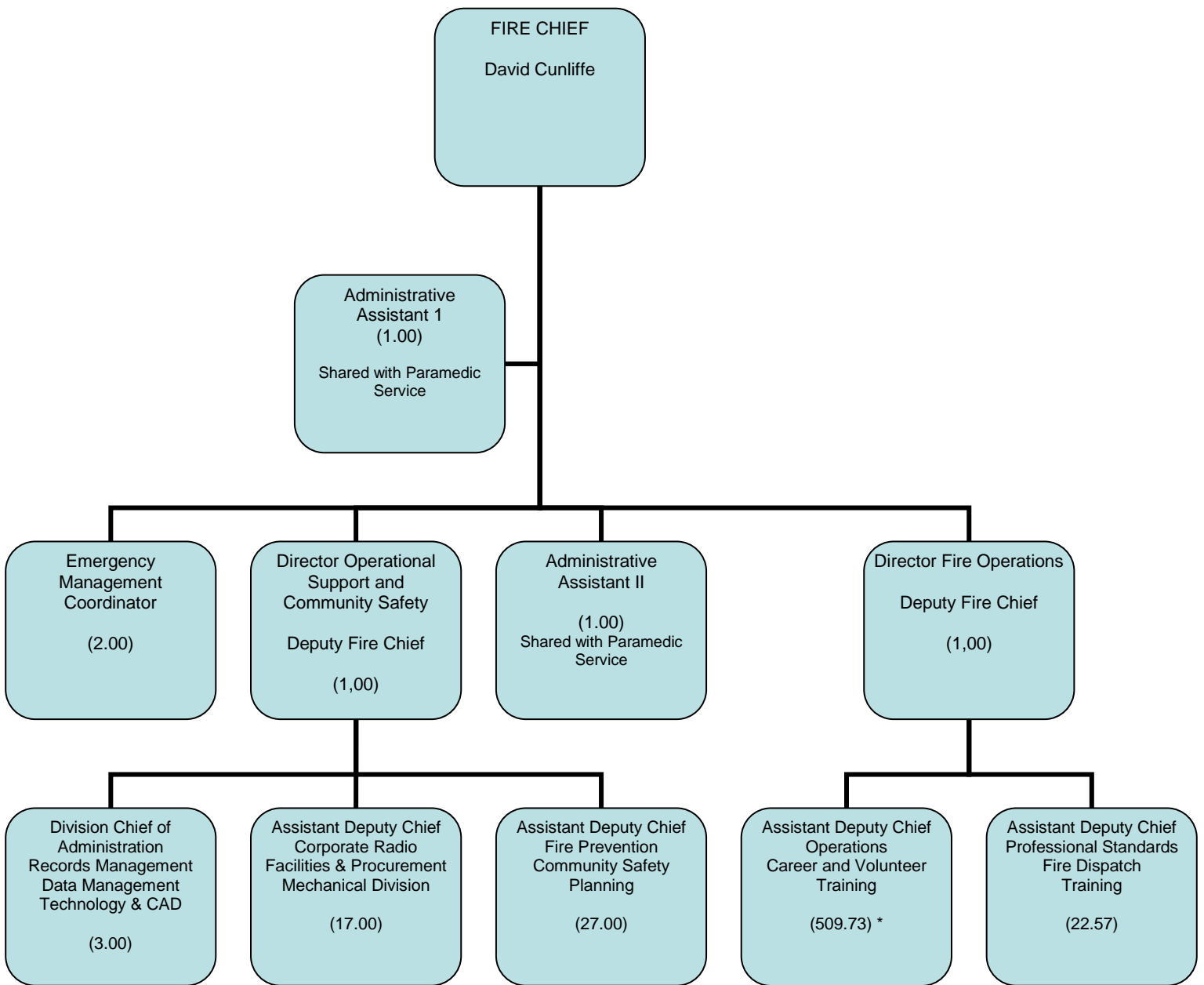
Municipal Council, obligated by the FPPA to provide fire protection services, must:

- Establish levels of service commensurate with needs and circumstances; and
- Provide fiscal resources for staffing, apparatus and equipment to support the level of service

Through our various Divisions, the Hamilton Fire Department provide to the citizens of Hamilton:

- Fire Prevention/Public Education and administration of the Ontario Fire Code and the Fire Protection and Prevention Act (FPPA)
- Fire Communications/Dispatch
- Fire Suppression (Firefighting Operations)
- Emergency Medical Service (Tiered response of both EMS and Fire)
- Co-ordination of City-Wide Trunked Radio Services
- Emergency Planning/Preparedness
- Mutual/Auto Aid agreements with neighbouring municipalities
- Mechanical services for both Fire and EMS
- Training of personnel in all aspects of services provided

Hamilton Fire Department Organizational Chart - 2017



Note * - Volunteer firefighter Head Count of 270 not included

RETIREMENTS

A significant turnover of staff continued in 2017 as we saw 40 of our personnel retire from the Hamilton Fire Department. Each of these women and men served the citizens of Hamilton with distinction and contributed in their own way to the history of our Department. We wish them all a healthy and happy retirement and thank them for their service.

Firefighter Stephen James	January 1, 2017
Firefighter Dennis Kneisz	January 1, 2017
Firefighter George Drzewicki	January 1, 2017
Captain Tony Berlinger	January 1, 2017
Firefighter Robert Bryce Hyslop	January 1, 2017
Firefighter Dan Wright	January 1, 2017
Captain Nick Christou	February 1, 2017
Captain Patrick Bothen	February 1, 2017
Fire Safety Officer Linda Paterson	February 12, 2017
Mechanic Howard Stott	February 25, 2017
Captain Randy Knowles	February 28, 2017
Firefighter John Todd Turner	April 1, 2017
Volunteer Firefighter Darren Rust	March 20, 2017
Communications Operator Paul MacDonnell	April 1, 2017
Firefighter Robert Nicholson	April 12, 2017
Firefighter Andrew Northrup	April 30, 2017
Firefighter Bruce Greenlaw	May 1, 2017
Firefighter Charlie Gandt	May 1, 2017
Firefighter George Mahler	May 1, 2017
Volunteer Captain Kevin Bochsler	May 10, 2017
Firefighter Paul Sokoloski	June 1, 2017
Firefighter Gord Selinger	June 1, 2017
Captain Geoff Knowles	June 30, 2017
Captain Enrico Floriani	July 1, 2017
Mechanic William Cryer	July 1, 2017
Firefighter Jim Duffy	July 30, 2017
Firefighter Rex Hommersen	August 1, 2017
Firefighter Mark O'Hoski	September 30, 2017
Firefighter Greg Brown	October 1, 2017

Volunteer Firefighter Danny Cree	October 26, 2017
Captain Melvin Elzinga	November 1, 2017
District Chief James Ecker	November 1, 2017
Communications Operator Steve Greene	November 1, 2017
Firefighter John McCarthy	November 3, 2017
Platoon Chief Patrick Gallacher	December 1, 2017
Firefighter Michael Braun	December 30, 2017
Firefighter John Manojlovich	December 30, 2017
Captain Russ McLeod	December 31, 2017
Firefighter Len Krawesky	December 31, 2017
Firefighter Randy Wiepjes	December 31, 2017



PROMOTIONS

Following the successful completion of a promotional process, twenty – two members of the Hamilton Fire Department were promoted in 2017. We congratulate them on their accomplishments and wish them the best as they continue to serve the citizens of Hamilton.

Platoon Chief Mark Middleton	January 1, 2017
District Chief Jim Ecker	January 1, 2017
District Chief Paul Bloomfield	January 1, 2017
Captain Randy O'Connor	January 1, 2017
Captain Brad Smythe	January 1, 2017
Captain Tony Piedimonte	February 1, 2017
Captain Chad Filoon	February 1, 2017
Fire Safety Officer Jennifer Janicas	February 12, 2017
Captain Andrew Polawski	February 25, 2017
Captain Randy Hunt	June 30, 2017
Captain Robert Jamieson	July 1, 2017
Captain Steven Long	July 25, 2017
District Chief Tim Rankin	November 1, 2017
Captain Murray Code	November 1, 2017
Captain Steven Janicas	November 1, 2017
Platoon Chief Mark Hodge	December 1, 2017
Captain Roberto Conti	December 1, 2017
Captain Nolan Bertussi	December 31, 2017



APPOINTMENTS

In 2017, we welcomed sixty-one new personnel to the ranks of the Hamilton Fire Department.

Volunteer Firefighter Roger Coughlin	January 19, 2017
Volunteer Firefighter Brian Doyle	January 19, 2017
Volunteer Firefighter Nick Ozimok	January 19, 2017
Volunteer Firefighter James Campbell	January 19, 2017
Volunteer Firefighter William Rose	January 19, 2017
Volunteer Firefighter Steven Saunders	January 19, 2017
Volunteer Firefighter Matthew Bulloch	January 19, 2017
Volunteer Firefighter Curtis Dawson	January 19, 2017
Volunteer Firefighter Paul Memmolo	January 19, 2017
Volunteer Firefighter Phillip Stephens	January 19, 2017
Volunteer Firefighter Jared Hendrix	January 19, 2017
Volunteer Firefighter Naveed Khan	January 19, 2017
Volunteer Firefighter Mark Sorichetti	January 19, 2017
Volunteer Firefighter Lukas Veldman	January 19, 2017
Volunteer Firefighter Cameron Laman	January 19, 2017
Volunteer Firefighter Victoria Caswell	January 19, 2017
Volunteer Firefighter Chris Olszewski	January 19, 2017
Volunteer Firefighter Laura Passant	January 19, 2017
Volunteer Firefighter Aron Tigchelaar	January 19, 2017
Fire Inspector Ryan Smy	February 13, 2017
Fire Inspector Maria Harrison	February 13, 2017
Firefighter Chad Thompson	April 3, 2017
Firefighter Matthew Nield	April 3, 2017
Firefighter Kyle Stryker	April 3, 2017
Firefighter Adrian Macintosh	April 3, 2017
Firefighter Gordon Kinnear	April 3, 2017
Firefighter Marc Mills	April 3, 2017
Firefighter Kurt Hepditch	April 3, 2017
Firefighter David Campbell	April 3, 2017
Firefighter Leo Maiolo	April 3, 2017
Firefighter Jeremy Bertram	April 3, 2017

Firefighter Jaanus Anja	April 3, 2017
Firefighter Jonathan Gallant	April 3, 2017
Firefighter Arjan Veldman	April 3, 2017
Firefighter Sean Chilton	April 3, 2017
Firefighter Louis Jossa	April 3, 2017
Firefighter Darryl Parsons-Taylor	April 3, 2017
Firefighter Tyler Larman	April 3, 2017
Firefighter Brian Mangaroo	April 3, 2017
Firefighter Laura Guiducci	April 3, 2017
Mechanic Donald Brooks	May 29, 2017
Firefighter Steve Welton	August 14, 2017
Firefighter Trista Bowles	August 14, 2017
Firefighter Joseph Bench	August 14, 2017
Firefighter Lucas DiNardo	August 14, 2017
Firefighter Steven Ventresca	August 14, 2017
Firefighter Neil Carter	August 14, 2017
Firefighter Joshua Triemstra	August 14, 2017
Firefighter Cody Easton	August 14, 2017
Firefighter Peter Mrksic	August 14, 2017
Firefighter Bryce Baiton	August 14, 2017
Firefighter Kyle Hart	August 14, 2017
Firefighter Victor Goni-Zarco	August 14, 2017
Firefighter Matthew Stocco	August 14, 2017
Firefighter Kyle McCann	August 14, 2017
Firefighter Nathan Brown	August 14, 2017
Firefighter Robert Valvona	August 14, 2017
Firefighter Malinko Gajic	August 14, 2017
Firefighter Dane Cameron	August 14, 2017
Communications Operator Emily Rusnov	August 21, 2017
Mechanic Jeremy Rowntree	November 13, 2017



BUDGET

The Hamilton Fire Department is a composite fire service made up of 591 career fulltime personnel and 270 volunteer paid-on-call firefighters. The overall operating budget in 2017 was \$88,011,710

Operating Budget



Capital Budget



Rescue 25 – 2017 KME

In 2017, Hamilton City Council approved four Capital projects for the Hamilton Fire Department totalling \$6,582,400.

2017 Capital Projects

Volunteer Division Protective Clothing/Uniforms **\$500,000**

(Purchase of bunker gear, firefighting boots and standardization of uniforms)

Fire Equipment Replacement **\$680,000**

(Firefighting helmets, bunker gear, SCBA face pieces, cylinders, firefighting hose, end of life replacement of equipment, thermal imaging cameras and high angle rescue equipment)

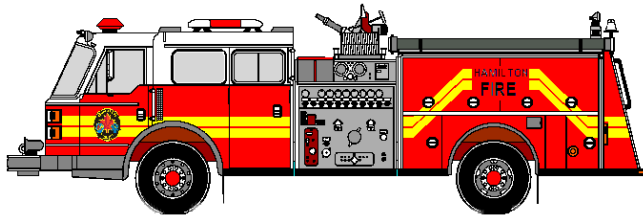
Fire Apparatus Replacement **\$5,202,400**

(Replacement apparatus in 2017 included 1 Aerial Truck, 1 Urban Pumper and 2 Rural Tankers)

10 Year Fire Service Delivery Plan **\$200,000**

(Development of a plan that will update the City's Hazard Identification and Risk Assessment relative to Fire Services and address the optimization of resources to ensure that the Hamilton Fire Department delivers the required level of service)

FIRE OPERATIONS - SERVICE DELIVERY



31,615
Incident Responses

The Hamilton Fire Department responded to 31,615 incidents in 2017, an increase of approximately 4.8% over the total responses in 2016 (30,157). The majority of responses in 2017 (20,744 or 65.6%) are medical calls.

While statistics show that the percentage of medical calls has increased over the past three years; it is important to clarify that the Hamilton Fire Department does not respond to all medical calls along with the Hamilton Paramedic Service.

In an agreement with CACC (Central Ambulance Communications Centre) and the Hamilton Paramedic Service, the Hamilton Fire Department are tiered or dispatched to all Code 4 medical calls. Examples of Code 4 calls are as follows:

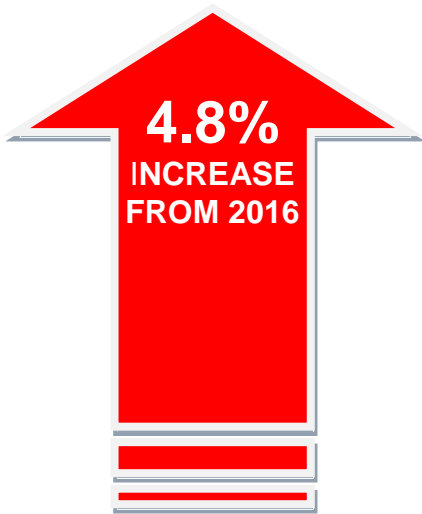
1. Absence of breathing / Cardiac or Respiratory Arrest
2. Unconscious / Unresponsive / Seizure
3. Choking / Sudden Shortness of Breath (onset within last 48 hours)
4. Other trauma;
 - Penetrating Trauma (i.e. gunshot or stabbing)
 - Pedestrian / Cyclist Struck (motorcycle, bicycle, etc)
 - MVCs on all rural roads and highways
 - Multiple Victim Incidents (including MVCs with suspected or confirmed multiple victims)
 - Falls Greater than 10 feet
5. Chest pain
6. Burns / Electrocution
7. Calls where the CACC Ambulance Communications Officer estimates the interval from the time the EMS unit is dispatched until the time it will arrive on-scene will exceed 15 minutes.

In addition to the above noted, the Hamilton Fire Department will be tiered on a response whenever there is any indication that there may be Hazardous Materials involved (including chemicals, spills of gasoline, diesel fuel, propane, etc.) , a victim trapped, reports of fire, structural hazards, any rescue, and as requested by Paramedics on scene of an incident.



87

**Average Incidents
Per Day:**



The Hamilton Fire Department responds to many varied types of incidents. Incident types have been grouped together into ten different response groups for reporting purposes. They are as follows:

1. Life Threatening Medical Call – Includes all life threatening medical emergencies
2. Alarm Investigation (nothing found) – Includes 911 calls for perceived emergencies, alarm calls from other agencies including Police and Paramedic service, alarm calls received from outside monitoring agencies and alarm calls reported by citizens, carbon monoxide calls with no readings found
3. Other Responses – Includes responses to assist neighbouring Fire Departments, assistance to Police, responses cancelled while on route, incidents not found and assistance not required once on scene
4. Rescue – Includes vehicle collisions and extrication, building collapses, commercial, industrial, residential accidents, open water rescue, confined space rescue and low angle/high angle rope rescues
5. Property Fires/Explosions – includes structure fires, vehicle fires and no loss outdoor fires such as rubbish fires and grass fires
6. Pre-Fire Conditions/Smoke/No Fire – Includes responses for overheating of engines and/or mechanical devices, pot on the stove (no fire), other cooking related calls such as smoke, steam, toasting (no fire), fireworks calls and other pre-fire conditions
7. Open Air Burning – Includes both authorized and unauthorized open air burning complaints
8. Reports Pending Classification – Reports which require some additional information to be properly classified
9. Ruptures/Explosions – Overpressure rupture with no fire of gas pipes, steam boilers and hot water tanks

2016 Responses by Response Group

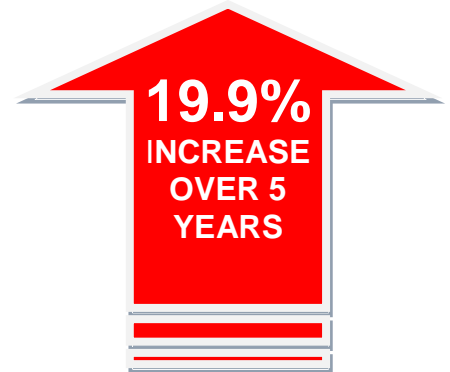
RESPONSE GROUP	TOTAL RESPONSES	% OF RESPONSES
Life Threatening Medical Call	19643	65.14%
Alarm Investigation (Nothing Found)	3857	12.79%
Other Responses	2852	9.46%
Property Fires / Explosion	986	3.27%
Rescue	850	2.82%
Pre Fire Conditions / Smoke, No Fire	671	2.23%
Open Air Burning	670	2.22%
Gas Leak, CO, Hydro	606	2.01%
Reports Pending Classification	12	0.04%
Ruptures/Explosions (No Fire)	10	0.03%
TOTAL	30157	

2017 Responses by Response Group

RESPONSE GROUP	TOTAL RESPONSES	% OF RESPONSES
Life Threatening Medical Call	20744	65.61%
Alarm Investigation (Nothing Found)	4309	13.63%
Other Responses	2760	8.73%
Rescue	1112	3.52%
Property Fires / Explosion	793	2.51%
Pre Fire Conditions / Smoke, No Fire	671	2.12%
Gas Leak, CO, Hydro	623	1.97%
Open Air Burning	567	1.79%
Reports Pending Classification	30	0.09%
Ruptures/Explosions (No Fire)	6	0.02%
TOTAL	31615	

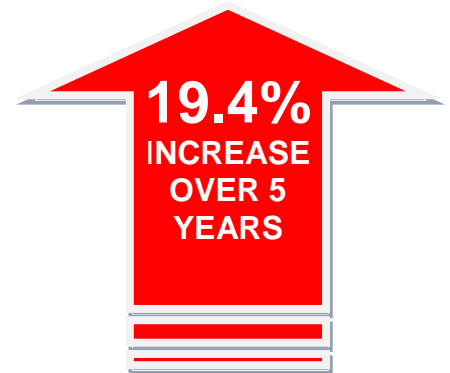
There has been a steady increase in the total number of incidents the Hamilton Fire Department responded to in the past 5 years from 26,359 in 2013 to 31,615 in 2017.

YEAR	TOTAL INCIDENTS
2013	26359
2014	26352
2015	28282
2016	30157
2017	31615



In 2017, there were 39,758 responses by Hamilton Fire Department apparatus. The following chart provides an overview of apparatus responses over the past 5 years

YEAR	TOTAL APPARATUS DISPATCHES
2013	33300
2014	33504
2015	35385
2016	37816
2017	39758



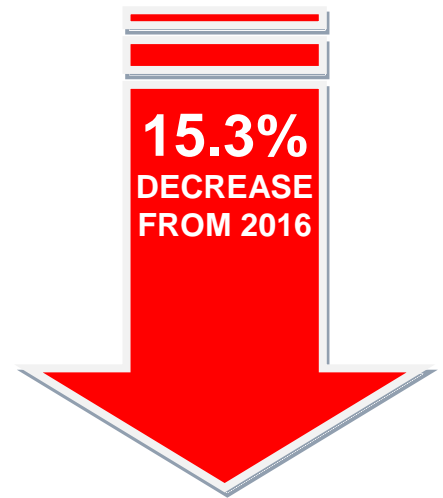
Open Air Burning Responses

In 2017, the Hamilton Fire Department responded to 567 burning complaints across the City of Hamilton which is a 15.3% decrease from 2016. Open air burning in the City of Hamilton is only permitted in the rural areas of the City and only with the issuance of an open air burning permit. In reviewing the statistics for open air burning responses, it is noted that the highest number of responses occur in Ward 3, which is an urban area of the City and where open air burning is not permitted.

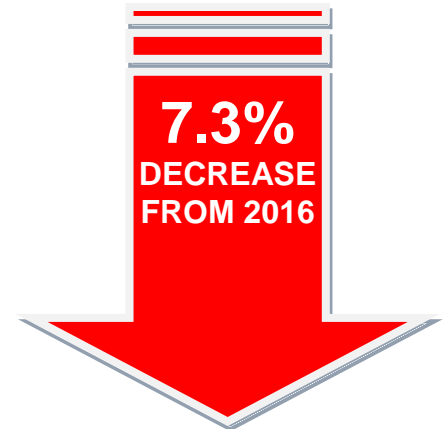
A review of statistics revealed that 69% of the responses for burning complaints occur in Wards 1 – 8, Wards that are entirely within the urban areas of the City.

While the majority of Wards saw a decrease in open air burning responses, Wards 7, 9, 10 and 11 all saw an increase in responses. The following chart provides a breakdown of burning complaints responded to in each of the 15 Wards.

OPEN AIR BURNING RESPONSES	2017 RESPONSES
WARD 1	26
WARD 2	36
WARD 3	94
WARD 4	71
WARD 5	32
WARD 6	35
WARD 7	62
WARD 8	37
WARD 9	21
WARD 10	23
WARD 11	55
WARD 12	27
WARD 13	14
WARD 14	13
WARD 15	21
TOTAL	567



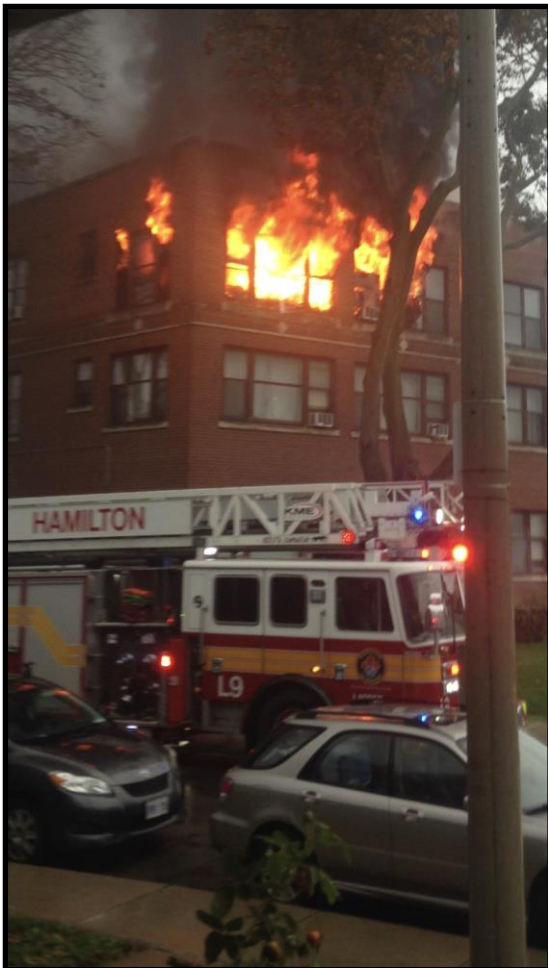
Structure Fires



In 2017, Hamilton Fire Department apparatus were dispatched to 380 first alarms (reported structure fires). Of that number, 272 (71.5%) of the calls were confirmed as a structure fire. Of the 272 confirmed fires, 32 were upgraded to a second or multiple alarm that saw additional resources dispatched to help mitigate the incident.

There were a number of significant incidents in 2017 including a tragic house fire on June 15, 2017 at 36 Laird Street on the east mountain that claimed the lives of a mother and her two adult children.

On October 24, 2017, Hamilton firefighters responded to a report of a house explosion at 134 Gibson Avenue in Ward 3 of the City. Upon arrival, a single family home had collapsed with an occupant trapped in the basement. Firefighters were able to quickly locate the occupant and safely rescue him from the collapsed home.



On November 5, 2017 at 9:15am, Hamilton firefighters were dispatched to St. Peter's Hospital at 88 Maplewood Avenue for a report of fire on the third floor. Upon arrival, firefighters reported heavy smoke and flames from the west wing of the hospital. Although this was an area not occupied by residents, heavy smoke was migrating into the patient care areas of the hospital and a determination was made to evacuate the patients. A unified incident command post was established on scene and all patients were safely evacuated from the scene.

The total number of structure fires in the City of Hamilton has steadily decreased over the past 5 years from a high of 324 in 2013 to 272 in 2017.

YEAR	TOTAL FIRES
2013	324
2014	307
2015	302
2016	292
2017	272



Residential structure fires accounted for 73.5% of all structure fires in 2017. While the number of residential fires continues to decrease over the past 5 years, citizens continue to be injured or killed in their homes due to fires that are clearly preventable.

YEAR	TOTAL FIRES
2013	254
2014	215
2015	230
2016	216
2017	200



The number of commercial building fires has decreased from a high of 92 in 2014 to 72 in 2017.

YEAR	TOTAL FIRES
2013	70
2014	92
2015	72
2016	76
2017	72



Structure Fires by Ward and Occupancy Type

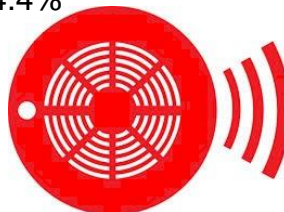
WARD	ASSEMBLY	INSTITUTIONAL	RESIDENTIAL	BUSINESS	MERCANTILE	INDUSTRIAL	TOTAL
WARD 1		1	13		1	1	16
WARD 2	2	3	42	1	5		53
WARD 3	2	2	38	1	1	3	47
WARD 4	1		19		1	2	23
WARD 5	1		12	1	2	3	19
WARD 6	1		11		4	1	17
WARD 7		1	9	1	1		12
WARD 8	1	1	15	1			18
WARD 9	2		7	1	1		11
WARD 10			3		1	1	5
WARD 11	1		9	1	1	6	18
WARD 12	3		5			1	9
WARD 13	1		5			1	7
WARD 14			3		1	2	6
WARD 15	1		9	1			11
TOTAL	16	8	200	8	19	21	272



73.5%

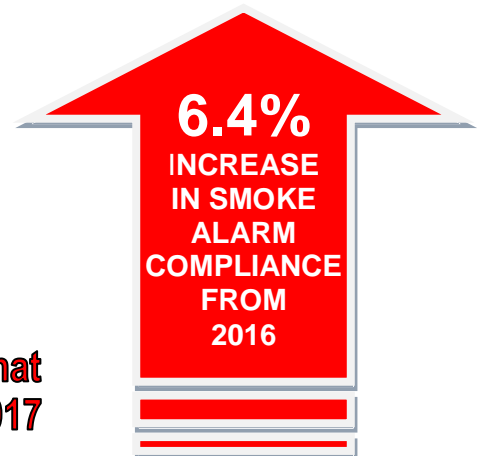
**Of All Structure Fires
Occur In Residential
Properties**

Of the 200 homes that experienced a fire in 2017, 7 fires occurred in an out building such as a detached garage or shed where smoke alarms were not required. Smoke alarms were found operational and installed properly in 105 homes or 54.4%



54.4%

**Compliance in homes that
experienced a fire in 2017**



Smoke Alarm Compliance

Of the 200 homes in the City of Hamilton that experienced a fire in 2017, only 105 homes had smoke alarms installed and operational in accordance with the Ontario Fire Code. Fifty-seven homes were found to have no smoke alarms installed or smoke alarms not operational. In some cases, due to extensive damage caused by a fire or due to collapsed areas of a home that makes investigation difficult, it is undetermined if smoke alarms were installed and operational. If a fire occurred in a detached garage or shed on a residential property, the smoke alarm requirement is marked as not applicable.

WARD	IN COMPLIANCE	NOT IN COMPLIANCE	UNDETERMINED	N/A	COMPLIANCE
WARD 1	7	4	1	1	58.3%
WARD 2	24	10	7	1	58.5%
WARD 3	16	12	8	2	44.4%
WARD 4	6	8	5	0	31.5%
WARD 5	6	4	2	0	50.0%
WARD 6	6	2	1	2	66.6%
WARD 7	4	4	1	0	44.4%
WARD 8	8	6	1	0	53.3%
WARD 9	6	1	0	0	85.7%
WARD 10	3	0	0	0	100.0%
WARD 11	7	1	1	0	77.7%
WARD 12	4	1	0	0	80.0%
WARD 13	2	2	1	0	40.0%
WARD 14	2	1	0	0	66.6%
WARD 15	4	1	3	1	50.0%
TOTAL	105	57	31	7	200

Top 2 Causes of Residential Building Fires by Ward

WARD	CAUSE 1	CAUSE 2
Ward 1	Unattended Cooking	Careless Smoking
Ward 2	Careless Smoking	Electrical/Mechanical
Ward 3	Unattended Cooking	Careless Smoking
Ward 4	Unattended Cooking	Careless Smoking
Ward 5	Unattended Cooking	Electrical/Mechanical
Ward 6	Electrical/Mechanical	Arson
Ward 7	Careless Smoking	Electrical/Mechanical
Ward 8	Unattended Cooking	Undetermined
Ward 9	Unattended Cooking	Undetermined
Ward 10	Careless Smoking	Unattended Cooking
Ward 11	Undetermined	Electrical/Mechanical
Ward 12	Undetermined	Electrical/Mechanical
Ward 13	Careless Smoking	Electrical/Mechanical/Arson
Ward 14	Unattended Cooking	Electrical/Mechanical
Ward 15	Undetermined	Arson

PREVENTABLE FIRES

The top two causes of residential building fires in the City of Hamilton in 2017 were unattended cooking and careless smoking. These two top causes of residential fires are behavioral based causes and are clearly preventable.



**#1
CAUSE OF
HOUSE FIRES**

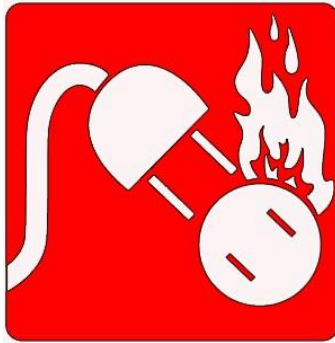


**#2
CAUSE OF
HOUSE FIRES**

Top 2 Causes of Commercial Building Fires by Ward

WARD	CAUSE 1	CAUSE 2
WARD 1	Electrical/Mechanical	Misuse of Combustibles
WARD 2	Arson	Maintenance
WARD 3	Misuse of Combustibles	Arson
WARD 4	Electrical/Mechanical	Undetermined
WARD 5	Maintenance	Electrical/Mechanical/Careless Smoking
WARD 6	Arson	Careless Smoking / Electrical/Mechanical
WARD 7	Electrical/Mechanical	Maintenance
WARD 8	Arson	Electrical/Mechanical
WARD 9	Electrical/Mechanical	Arson/Misuse of Combustibles
WARD 10	Maintenance	Undetermined
WARD 11	Electrical/Mechanical	Misuse of Combustibles
WARD 12	Arson	Misuse of Combustibles
WARD 13	Unattended Cooking	Arson
WARD 14	Undetermined	Electrical/Mechanical
WARD 15	Electrical/Mechanical	Unattended Cooking

The top two causes of commercial building fires in the City of Hamilton in 2017 were electrical/mechanical problems and arson related fires.



**#1
CAUSE OF
COMMERCIAL
BUILDING FIRES**



**#2
CAUSE OF
COMMERCIAL
BUILDING FIRES**

All Responses by Ward

ALL RESPONSES BY WARD	2017 RESPONSES
WARD 1	2073
WARD 2	5357
WARD 3	4140
WARD 4	2486
WARD 5	2293
WARD 6	2030
WARD 7	2885
WARD 8	2376
WARD 9	1333
WARD 10	996
WARD 11	1509
WARD 12	1448
WARD 13	1145
WARD 14	626
WARD 15	916
N/A (Outside of Ward Boundary)	2
TOTAL	31615

Fire Fatalities

There were 6 fire fatalities in the City of Hamilton in 2017. Five of the fatalities occurred inside a residential dwelling and one in a garage. There was one multiple fatality incident in 2017. On June 15th, 2017 three occupants at 36 Laird Street perished in a fire in their home.

YEAR	FIRE FATALITIES
2013	4
2014	4
2015	5
2016	11
2017	6

Tragically, in each of the homes in which a fatality occurred in 2017, no working smoke alarms were found.



APPARATUS RESPONSES

There were 39,758 total apparatus responses in 2017 which represents an increase of 5% over 2016. The following charts provide a breakdown of all apparatus responses by station.



STATION 1		TOTAL DISPATCHES
Engine 1		1459
Ladder 1		735
Rescue 1		3619
Platoon 1		296
Supply 1		2
Total		6111

STATION 2		TOTAL DISPATCHES
Engine 2		1593
District 3		184
Car 73		490
Total		2267

STATION 3		TOTAL DISPATCHES
Engine 3		2211
Total		2211

STATION 4		TOTAL DISPATCHES
Ladder 4		943
Rescue 4		2222
Support 4		13
HAZMAT 2		12
Total		3190

STATION 5		TOTAL DISPATCHES
Engine 5		1343
Total		1343

STATION 6		TOTAL DISPATCHES
Pump 6		3722
Total		3722

STATION 7		TOTAL DISPATCHES
Engine 7		1129
Total		1129

STATION 8		TOTAL DISPATCHES
Engine 8		1977
District 2		218
Total		2195

STATION 9		TOTAL DISPATCHES
Engine 9		1977
Ladder 9		218
Total		2195

STATION 10		TOTAL DISPATCHES
Ladder 10		1146
Total		1146

STATION 11		TOTAL DISPATCHES
Engine 11		2227
Total		2227

STATION 12		TOTAL DISPATCHES
Pump 12		833
Rescue 12		1742
Total		2575

STATION 14		TOTAL DISPATCHES
Tanker 14		126
Total		126

STATION 15		TOTAL DISPATCHES
Ladder 15		128
Total		128

STATION 16		TOTAL DISPATCHES
Pump 16		213
Squad 16		263
Tanker 16		20
Total		496

STATION 17		TOTAL DISPATCHES
Engine 17		1170
Tanker 17		93
Total		1263

STATION 18		TOTAL DISPATCHES
Pump 18		145
Ladder 18		41
Support 18		289
Tanker 18		75
Total		550

STATION 19		TOTAL DISPATCHES
Pump 19		354
Tanker 19		95
Tower 19		63
Total		512

STATION 20	TOTAL DISPATCHES
Ladder 20	856
Total	856

STATION 21	TOTAL DISPATCHES
Engine 21	873
Pump 21	51
Rescue 21	98
Tanker 21	60
Total	1082

STATION 23	TOTAL DISPATCHES
Pump 23	1294
Support 23	6
Total	1300

STATION 24	TOTAL DISPATCHES
Engine 24	863
Ladder 24	43
Support 24	54
Tanker 24	85
Total	1045

STATION 25	TOTAL DISPATCHES
Pump 25	80
Rescue 25	128
Tanker 25	32
Brush 25	8
Total	248

STATION 26	TOTAL DISPATCHES
Pump 26	34
Support 26	89
Tanker 26	34
Total	157

STATION 27	TOTAL DISPATCHES
Pump 27	82
Squad 27	135
Tanker 27	42
Total	259

STATION 28	TOTAL DISPATCHES
Pump 28	112
Squad 28	209
Tanker 28	45
Total	366

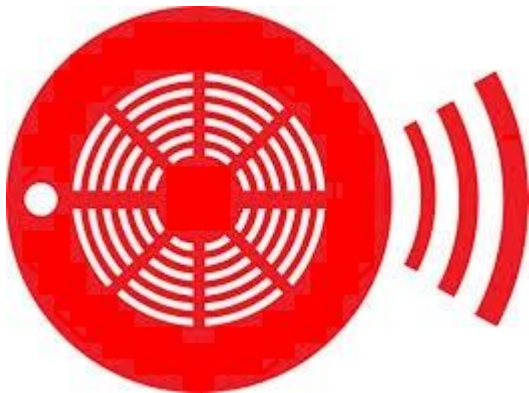


Central Fire Station -1922

HOME FIRE SAFETY EDUCATION PROGRAM

In response to the tragedies that occurred in 2016, the Hamilton Fire Department initiated the Home Fire Safety Education Program in May of 2017. This initiative has firefighters going door to door speaking with residents about the top two causes of house fires and checking smoke alarms. If no smoke alarms were found or smoke alarms were non-operational, new smoke alarms or batteries were installed free of charge. This highly successful program enhances the safety of residents in their homes and contributes to a healthy and safe community.

MONTH	TOTAL VISITS	SMOKE ALARMS INSTALLED	BATTERIES INSTALLED	CONTACTS
MAY	1122	140	30	923
JUNE	3483	407	95	2413
JULY	2077	260	43	1391
AUGUST	2446	268	61	1730
SEPTEMBER	1597	173	29	1385
OCTOBER	472	68	9	313
NOVEMBER	418	26	6	293
DECEMBER	98	9	0	78
TOTAL	11713	1351	273	8526



1351
SMOKE ALARMS
INSTALLED

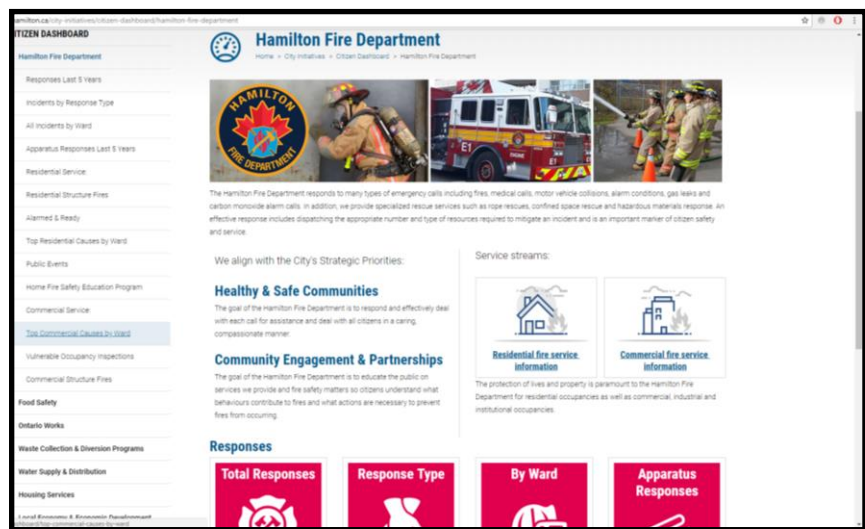


CITIZEN DASHBOARD

The Citizen Dashboard publishes performance data for services the City of Hamilton provides. The City of Hamilton is committed to improving the way it communicates with Hamiltonians about the performance of municipal services. The Dashboard enables citizens to learn more about how City services contribute to Hamilton's quality of life.



In support of the City of Hamilton's strategic priorities of a healthy and safe community and ensuring a high level of trust and confidence in our service delivery; on October 11, 2017, during Fire Prevention Week, the Hamilton Fire Department was the first municipal service to share their performance and service information data. This dashboard provides citizens an opportunity to access information about Hamilton Fire Department services as it relates to both commercial and residential occupancies.



FIRE PREVENTION WEEK 2017

In addition to delivering fire safety education to school children across the City during Fire Prevention Week, in 2017 the Hamilton Fire Department held an open house at the Multi Agency Training Academy. The public were invited to meet with Fire Department personnel and talk about their jobs and fire safety while viewing a number of scenarios that included a car fire, a rope rescue and an auto extrication scenario.



During Fire Prevention Week, City Councillor's and members of the media were invited to spend an afternoon experiencing the work of firefighters.



BOX 43

The Box 43 Association was founded in 1950 to serve refreshments and food to firefighters at multiple alarm incidents. They began by serving coffee and drinks from the trunks of their cars. A homemade trailer was then constructed and served as the first canteen.



Later, in 1956, an older International Harvester step van was purchased and utilized as the canteen. In 1970, that old step van was replaced with a 1964 Chevrolet step van which had been formerly used as a newspaper delivery van. All of the vehicles noted above were modified for use as a canteen by the members of the Box 43 Association. In the late 1980's, the Association was incorporated and received charitable status. Fundraising events took place and soon they were able to purchase a fully equipped 1992 Ford cube van, equipped with a refrigerator, stove, microwave and a built-in 35 gallon water tank. In 2016, a newer Rehab vehicle was purchased and placed into service.



Dispatched by the Hamilton Fire Department via pagers, Box 43 was dispatched to 62 incidents in 2016 including one in Burlington, one in Thorold and one in Hagersville.



In 2017, Box 43 was dispatched to 46 incidents including two in Burlington.

Regardless of the time of day; when called upon, this dedicated group of volunteers respond to incidents and provide an invaluable service to all first responders on scene.

BOX 43		TOTAL DISPATCHES
	2016	62
	2017	46
TOTAL		108

HAMILTON FIRE DEPARTMENT IN THE COMMUNITY

The Hamilton Professional Firefighters Association (Local 288) and The Greater Hamilton Volunteer Firefighters Association (CLAC 911) continue to support the City of Hamilton with numerous charitable fundraising events and attendance at public events.



FIRE PREVENTION SERVICE DELIVERY

The Fire Prevention Division consists of a Chief Fire Prevention Officer, an Assistant Chief Fire Prevention Officer and 22 Inspection staff.

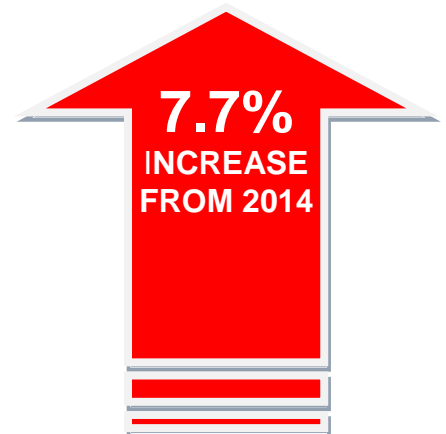
The Fire Prevention Division operates from three locations; the West District Office located at 55 King William Street (includes 2 Inspectors assigned to schools), the East District Office located at Fire Station 12 on Highway 8 in Stoney Creek and the Mountain District Office located at Fire Station 21 on Wilson Street in Ancaster.

The Fire Prevention Division are responsible for the enforcement of the Fire Protection and Prevention Act (FPPA), the Ontario Fire Code and various municipal by-laws dealing with fire safety, co-ordination of a juvenile firesetters program, a home and commercial inspection program by suppression personnel and a smoke alarm/CO alarm installation program. In addition, all Fire Prevention staff conducts public education initiatives that include talks, presentations and training sessions for school children, community service organizations, building staff and citizens.



The following chart provides an overview of the number of Inspections assigned to each of the inspection districts over the past 4 years. Intake inspections include but are not limited to items such as general inspections, licence inspections, complaints, permit inspections, occupant load inspections, carbon monoxide/smoke alarm complaints, propane reviews, pesticide notifications, fire drills etc.

YEAR	2014	2015	2016	2017
WEST DISTRICT	1236	1338	1284	1297
MOUNTAIN DISTRICT	797	750	862	863
EAST DISTRICT	515	439	589	561
SCHOOLS	120	116	122	153
TOTAL	2668	2643	2857	2874



The Fire Prevention Division is mandated to inspect and witness fire drills in all vulnerable occupancies in the City of Hamilton on an annual basis. Once again, Fire prevention staff successfully completed those inspections in order to protect some of our most vulnerable residents. .

YEAR	TOTAL OCCUPANCIES	NUMBER OF OCCUPANTS	TOTAL INSPECTIONS	% COMPLETION
2016	119	6593	119	100.00%
2017	119	6593	119	100.00%

Public Events and Public Contacts

The Hamilton Fire Department attends hundreds of public events annually which include visits to schools and conducting presentations. In 2017, Hamilton Fire Department staff interacted with approximately 62,338 citizens at these community events and through the Home Fire Safety Education Program.

PUBLIC CONTACTS	2015	2016	2017
CHILDREN	38324	37261	32807
ADULTS	28759	14054	17331
SENIORS	4970	3345	3674
HOME FIRE SAFETY EDUCATION			8526
TOTAL	72053	54660	62338



Alarmed and Ready Program

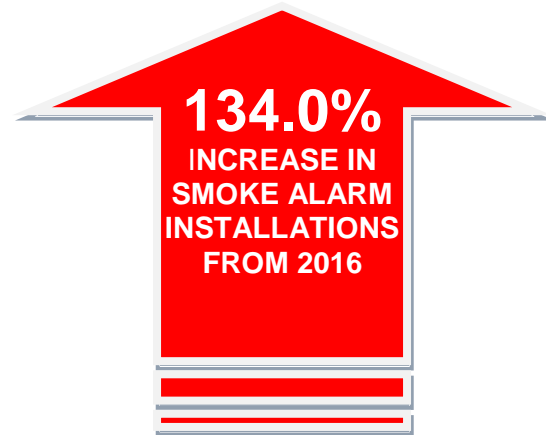
Complementing the new Home Fire Safety Education Program, the Hamilton Fire Department's Alarmed and Ready program provides for the installation of smoke alarms/batteries and carbon monoxide alarms in owner occupied homes of citizens who cannot afford them, unable to install them themselves and for senior citizens.

This program requires citizens to make contact with the Department and an appropriate time is scheduled for the installation. In conjunction with this, firefighters who are in attendance at a property and who find no operational detectors, will install the required number to ensure the safety of the residents.

The following chart provides an overview of smoke alarm/battery installations over the past four years.

Recognition for the success of this program must be provided to Union Gas who each year generously provide a donation to the Hamilton Fire Department for the purchase of smoke alarms.

YEAR	2014	2015	2016	2017
SMOKE ALARMS INSTALLED	88	134	135	317
BATTERIES INSTALLED	96	123	145	247



TRAINING DIVISION SERVICE DELIVERY

The Training Division consists of the Chief of Training, five Training Officers and one Medical Training Coordinator. This Division operates from the Multi-Agency Training Academy located at 1227 Stone Church Road East.



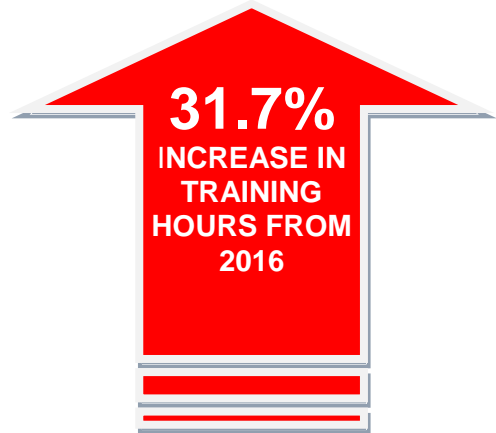
The Hamilton Fire Department uses a comprehensive internal program of training for its members and provides for attendance of promotion oriented personnel at community college, off-site resources, and the Ontario Fire College. The Training Division also administers promotional examinations. The Training Division is responsible for continuous training, upgrading, competence and proficiency of all personnel and develops training procedures for compliance with legislated standards. This covers all service areas of the Department.

The Training Division is responsible for the co-ordination of training of new firefighter recruits, both career and volunteer; as well as the ongoing training of personnel on a daily basis. Training programs are directed primarily to the Fire Suppression Division and to other divisions where necessary. Each firefighter participates in a minimum of 180 hours of on-going theoretical and practical training each year. The Training Division also serves as research and development for fire suppression technology matters, the dissemination of new information in the field, and the updating of all manuals.

In 2017, the Training Division facilitated the training of two Career firefighter recruit classes which resulted in the successful graduation of 37 firefighters. Each recruit class was 18 weeks in length. In addition, a single Volunteer recruit class was held which resulted in the successful graduation of 19 Volunteer recruit firefighters. The Volunteer firefighter recruit class involved 26 weeks of training.

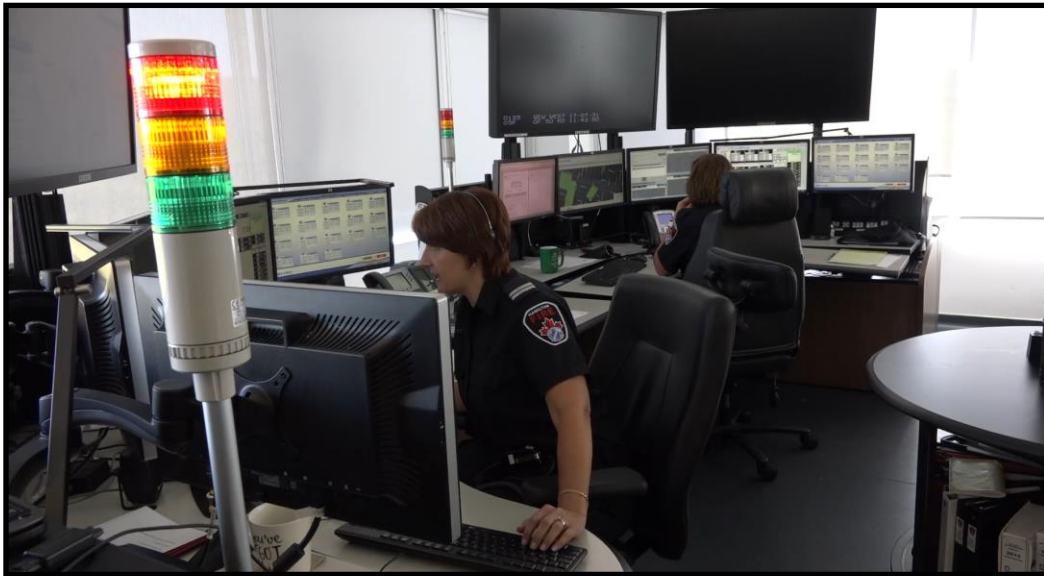
Through the preparation and implementation of a comprehensive training syllabus for personnel, 143,438 hours of training was completed in 2017 on a wide variety of subjects within the career and volunteer divisions of the Department.

TRAINING HOURS	2016	2017
CAREER DIVISION	96773	133207
VOLUNTEER DIVISION	11814	10231
TOTAL	108857	143438



COMMUNICATIONS DIVISION SERVICE DELIVERY

The Communications Division consists of a Chief Communications Officer, 4 Communications Officers (1 per Platoon) and 8 Communications Operators.



This Division is responsible for the intake of emergency calls, dispatching of apparatus, relocation of apparatus and monitoring of all radio transmissions. In addition, this Division handles non-emergency calls, station mapping requirements, monitoring of hydrant status and road closures, documenting alarm system testing and maintains information within the Departments Computer Aided Dispatch system (CAD). The Communications Division also receives and processes non-emergency requests for service from the public, emergency agencies and other public safety services.

The Communications Centre is a co-user of the Hamilton municipal trunked radio system that enhances coordinated delivery of public safety emergency services in the City. Other users of the trunked radio system include the Hamilton Police Service, Hamilton Public Works and Hamilton Airport.

In 2017, the Communications Division dispatched over 31,000 calls for assistance. In addition, there were numerous calls for assistance in neighbouring municipalities in which Hamilton dispatchers fielded calls and dispatched resources.

Communications Division staff provided 341 hours of training for firefighters who would then be able to fill-in as an operator as required. Over 160 hours of internal training with Communications personnel was also completed.

MECHANICAL DIVISION SERVICE DELIVERY



The Mechanical Division of the Hamilton Fire Department is staffed by a Chief Mechanical Officer, a Breathing Apparatus Technician, one Shipper/Receiver, one Storekeeper and 8 mechanics.

Effective delivery of emergency responses by the fire suppression force depends on adequate and

reliable vehicles. The Mechanical Division of the Hamilton Fire Department is charged with the maintenance and repairs of the Department's approximately 100 apparatus, ancillary equipment, and the ambulance fleet for the Hamilton Paramedic Service. This Division is also responsible for writing specifications for fire apparatus and maintaining firefighting clothing, breathing apparatus and equipment.

Under a Chief Mechanical Officer, licensed mechanics, a self-contained breathing apparatus technician and a storekeeper carry out regular comprehensive programs of maintenance, testing and repair. Emergency repairs are done at all hours and there is staff attendance at multiple alarm fires when required. Routine maintenance is performed on apparatus on three-month, six-month, and annual cycles. The work of the division is wide ranging, including major vehicle work customarily contracted out in many other fire departments. In 2017, Mechanical staff completed 1,252 repair orders and registered 7,400 labour hours on Fire Department vehicles and 2,090 labour hours on Paramedic Service vehicles. An additional 423 hours were spent on fire equipment repairs and 21.5 hours on Paramedic equipment repairs.

LABOUR HOURS	2016	2017
FIRE APPARATUS	7331	7400
FIRE EQUIPMENT	343	423
PARAMEDIC APPARATUS	1985	2090
PARAMEDIC EQUIPMENT	53	21
TOTAL	9712	9934



CORPORATE RADIO SERVICE DELIVERY



The Corporate Two-Way Radio section is staffed by a RF Systems Specialist and a Radio Technician.

The division is responsible for maintaining a twelve channel radio system operating through ten tower sites across the City. This radio system provides service to approximately 3000 radio units (mobile and portable) across the City of Hamilton.

Public safety users of the radio system include the Hamilton Fire Department and the Hamilton Police Service. Public Works users include Roads, Parks, By-law, Traffic, and Water Departments. Other partner agency users include the Hamilton Beach Rescue Unit (HBRU) and Hamilton International Airport.

Radio channels are logically divided into over 150 talk groups for use by public safety and public works personnel. Communications personnel have the ability to patch radio channels with neighbouring Departments such as Burlington, Grimsby and Puslinch for interoperability when working at emergency scenes.

The Corporate Radio team also maintains the alphanumeric paging system infrastructure used to page out volunteer firefighters to emergency calls. In addition, the fire station alerting system that alerts on-duty career firefighters in stations of an emergency call is also maintained by Corporate Radio personnel. Mobile computing hardware installed in fire apparatus is maintained by the Corporate Radio team. All fire apparatus have a Windows based mobile computer complete with Wi-Fi, a wireless modem, and GPS tracking.

Fire Department Inventory

- 112 mobile radios
- 497 portable radios
- 80 mobile computers
- 7 radio dispatch consoles at Fire Communications Centres
- Fire station alerting system
- 9 site Alphanumeric paging system

Public Works inventory

- 450 mobile radios
- 550 portable radios
- 2 radio dispatch consoles at the Customer Contact Centre

EMERGENCY MANAGEMENT SERVICE DELIVERY

The City of Hamilton is required to adopt an Emergency Management Program through an approved by-law. Originally created in 2003, the by-law was rewritten in 2005 and more recently in 2017 to reflect the evolution of the program.

The City of Hamilton is required to have an up-to-date Emergency Plan, which must be provided to the Office of Fire Marshal and Emergency Management. In 2012, the municipal Emergency Plan underwent a significant re-write to reflect the adoption of the Incident Management System as the municipal emergency response model. This internationally recognized system is a standardized approach to emergency management encompassing personnel, facilities, equipment, procedures, and communications, operating within a common organizational structure. It has been adopted provincially and led by Emergency Management Ontario in partnership with over 30 organizations.



The Emergency Plan is reviewed annually with the 2017 review being completed in December.

Municipalities must have a designated Community Emergency Management Coordinator (CEMC) and a designated Emergency Information Officer. Currently, the City of Hamilton has two designated CEMCs whom have completed the required training under Ontario Regulation 380/04. The CEMCs are responsible for the day-to-day activities of the Emergency Management Program and report to the Office of the Fire Chief for day-to-day operations and to the Emergency Management Program Committee (EMPC) for guidance on the implementation of the Emergency Management Program.

Municipalities must also develop a community risk profile and identify critical infrastructure. The City of Hamilton has developed and maintains a Hazard

Identification and Risk Assessment (HIRA) which identifies and assesses the various risks and hazards to public safety that could give rise to emergencies in the City of Hamilton. The HIRA was reviewed in 2017 with input from stakeholder agencies and subject matter experts.

The top ten identified risks for Hamilton are:

1. Hazardous Materials Incident/Spills – Fixed Site Incident
2. Flooding
3. Hazardous Materials Incident/Spills - Transportation Incident
4. Human Health Emergency
5. Energy Emergency (Supply)
6. Extreme Ice Storm
7. Explosion & Fire
8. Transportation Emergency – Rail
9. Critical Infrastructure – Telecommunications
10. Active Shooter / Violent Situation



The Emergency Management Program maintains a listing of critical infrastructure within the City, both private and publicly owned. This was reviewed and updated in 2017.

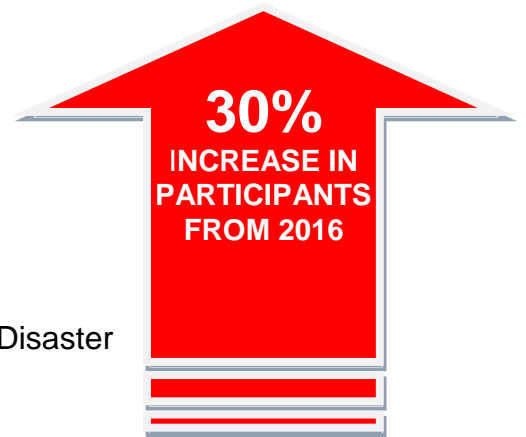
The Municipal Emergency Operations Centre (EOC) is the location where senior municipal staff convenes to manage the emergency from the strategic level. The

EOC supports the needs of tactical responders and manages the impact on the community at large while ensuring the delivery of municipal services continues.

The City of Hamilton primary EOC is a 24/7 state-of-the-art facility and is one of only a handful of stand-alone facilities in the province. In the event that the primary location is affected by the emergency, the City has an alternate EOC at the Municipal Service Centre in Stoney Creek. At this facility, the Saltfleet Room and Council Chambers are transformed into our EOC facility. The EOCs have a variety of communication systems including internet phones, landlines, email, fax and radios.

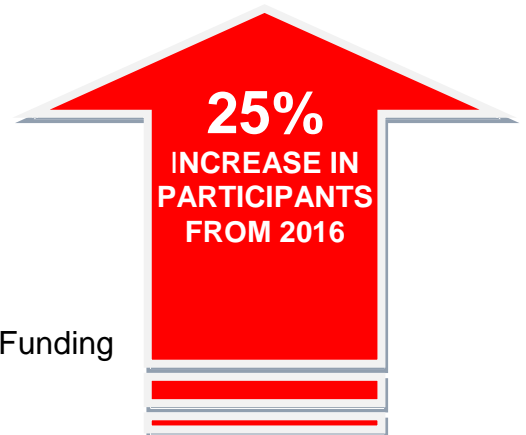
The Emergency Management Program conducted 9 emergency exercises in 2017 with approximately 260 participants:

- Information Team Training/Exercise
- Reunification Phone Line Exercise
- Reception Centre Exercise
- Community and Emergency Services Exercise
- Public Works Exercises
- City-wide Exercises (2)
- Notification Exercise
- Ministry of Municipal Affairs and Housing Disaster Recovery Exercise



The Emergency Management Program delivered and 11 training sessions in 2017 for approximately 500 participants:

- Fort McMurray Fire Speaker
- IMS 200
- IMS 200 – Reception Centre
- IMS 300- EOC Management
- IMS 300 – Operations
- IMS 300 – Logistics
- IMS 300 – Planning
- Orlando Nightclub Shooting Speaker
- Ministry of Municipal Affairs and Housing Disaster Funding Presentation
- EOC Management Team Training
- Hamilton Police – IMS in the EOC Training



A variety of public education and awareness initiatives were implemented in 2017. The Emergency Preparedness Week campaign '5 days to Emergency Preparedness' was a success with a coordinated media campaign to reach a broad spectrum of the local population. In addition to broad awareness initiatives, several audiences were targeted such as seniors, City Housing Hamilton residences, and neighbourhood groups.

In addition to the legislated requirements, the following plans were developed or are in the process of being updated as part of the continual improvement of the Emergency Management Program and the corporation's ability to respond to emergency events:

- Emergency Social Services Plan
- Emergency Reception Centre Plan
- Reunification Phone Line Procedure
- Debris Management Plan
- Emergency Preparedness Guide for employees
- Special Events Emergency Planning
- Memorandums of Understanding update
- Volunteer Management Plan

Community partners such as the Red Cross, Salvation Army and the Good Shepherd Home often assist the City in responding to City emergencies. The Emergency Management Program has established a partnership with these agencies to provide Emergency Social Services to evacuees and those affected by the emergency.

The City of Hamilton will continue to develop and maintain the Emergency Management Program and will enhance current partnerships that will enable the City of Hamilton to work effectively together under the stress of a major disaster.



HAMILTON FIRE STATIONS AND APPARATUS

STATION 1 35-43 JOHN STREET NORTH
 PLATOON 1
 ENGINE 1
 LADDER 1
 RESCUE 1
 SUPPLY 1

STATION 2 1400 UPPER WELLINGTON STREET
 DISTRICT 3
 ENGINE 2
 CAR 73

STATION 3 965 GARTH STREET
 ENGINE 3

STATION 4 729 UPPER SHERMAN AVENUE
 RESCUE 4
 LADDER 4
 SUPPORT 4
 HAZMAT 2

STATION 5 1227 STONE CHURCH ROAD
 EAST
 ENGINE 5
 COMMAND UNIT

STATION 6 246 WENTWORTH STREET NORTH
 PUMP 6

STATION 7 225 QUIGLEY ROAD
 ENGINE 7

STATION 8 400 MELVIN AVENUE
 DISTRICT 2
 ENGINE 8

STATION 9 125 KENILWORTH AVENUE
 NORTH
 ENGINE 9
 LADDER 9

STATION 10 1455 MAIN STREET WEST
 LADDER 10

STATION 11 24 RAY STREET SOUTH
 ENGINE 11

STATION 12 199 HIGHWAY #8
 STONEY CREEK
 PUMP 12
 RESCUE 12

STATION 14 595 CHAPEL HILL ROAD
 ELFRIDA
 TANKER 14

STATION 15 415 ARVIN AVENUE
 STONEY CREEK
 LADDER 15

STATION 16 939 BARTON STREET EAST
 STONEY CREEK
 PUMP 16
 SQUAD 16
 TANKER 16

STATION 17 363 ISSAC BROCK DRIVE
 STONEY CREEK
 ENGINE 17
 TANKER 17

STATION 18 2636 HIGHWAY 56
 BINBROOK
 PUMP 18
 LADDER 18
 SUPPORT 18
 TANKER 18

STATION 19 3303 HOMESTEAD DRIVE
 MOUNT HOPE
 PUMP 19
 TOWER 19
 TANKER 19

STATION 20 661 GARNER ROAD
 ANCASTER
 LADDER 20

STATION 21 365 WILSON STREET
 ANCASTER
 ENGINE 21
 PUMP 21
 RESCUE 21
 TANKER 21

STATION 23 MEMORIAL SQUARE
 DUNDAS
 PUMP 23
 SUPPORT 23

STATION 24 256 PARKSIDE DRIVE
 WATERDOWN
 ENGINE 24
 LADDER 24
 SUPPORT 24
 TANKER 24

STATION 25 361 OLD BROCK ROAD
 GREENSVILLE
 PUMP 25
 RESCUE 25
 TANKER 25
 BRUSH 25

STATION 26 119 LYNDEN ROAD
 LYNDEN
 PUMP 26
 SQUAD 26
 TANKER 26

STATION 27 795 OLD HIGHWAY 8
 ROCKTON
 PUMP 27
 SQUAD 27
 TANKER 27

STATION 28 1801 BROCK ROAD
 FREELTON
 PUMP 28
 SQUAD 28
 TANKER 28





SUPPORTING A HEALTHY AND SAFE COMMUNITY

**HAMILTON FIRE DEPARTMENT
1227 STONE CHURCH ROAD EAST
HAMILTON, ONTARIO
L8W 2C6**

www.hamilton.ca/fire



@hamiltonfiredep

@HFD_Incidents