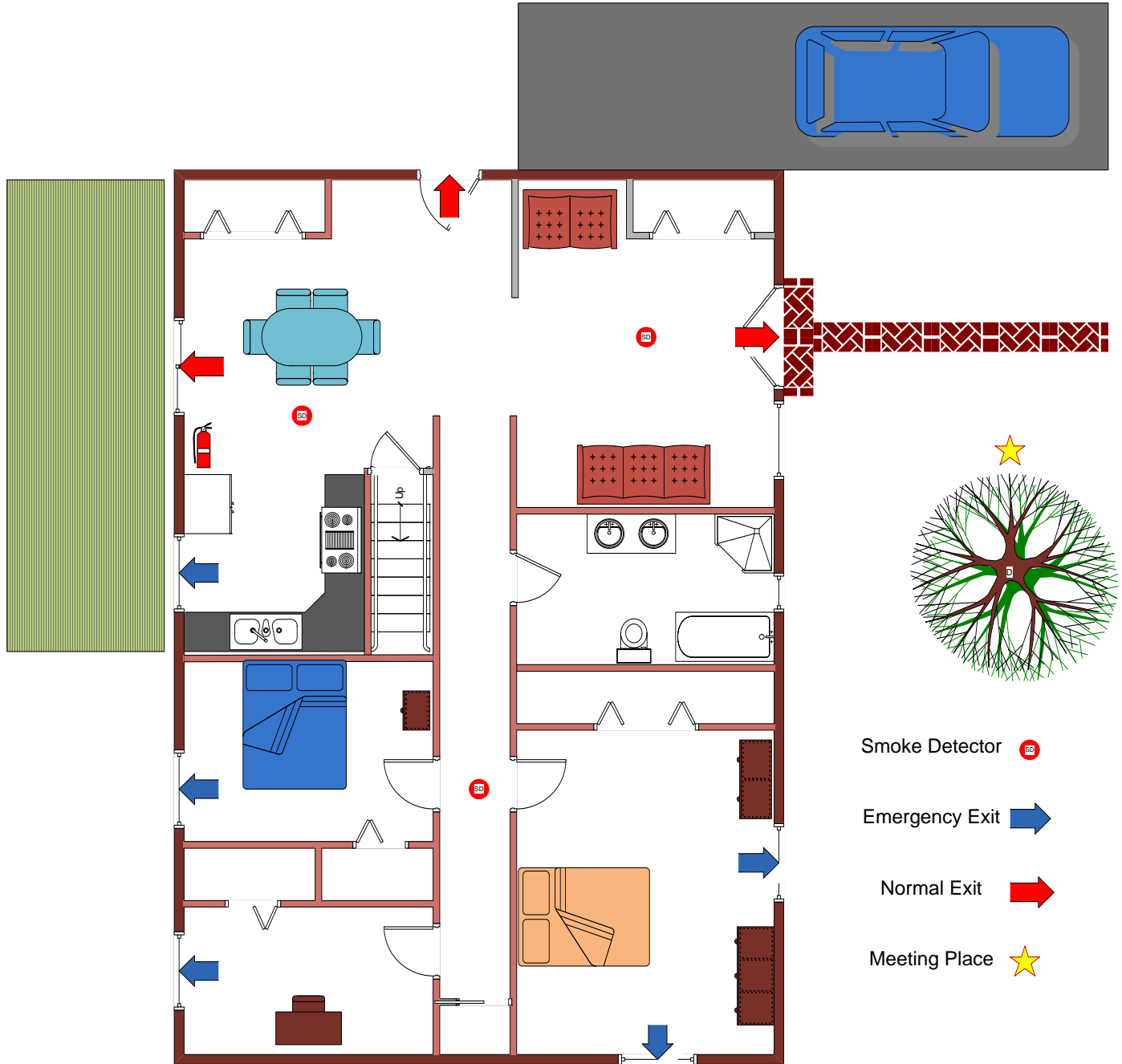


Emergency & Fire Services 2010 Annual Report



OUR HOME ESCAPE PLAN



CLARINGTON EMERGENCY & FIRE SERVICES

OUR VISION

We are DEDICATED to a FIRE SAFE COMMUNITY

OUR MISSION

To ensure we deliver SERVICE EXCELLENCE through public education, prevention, training and emergency response

OUR VALUES

Every member of Clarington Emergency & Fire Services upholds the tradition of a composite department and with their skill and knowledge
RESPOND WITHOUT BOUNDARY

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Message from the Director of Emergency & Fire Services/Fire Chief



Your Worship Mayor A. Foster and Members of Council:

The information contained in this report is a summary of the activities of Clarington Emergency and Fire Services for the year ending December 31, 2010.

The number of incidents reported to the Ontario Fire Marshal's Office in 2010 was 3,274 a reduction of 1.5% from 2009. 2010 represents the third year in a row of declining call numbers.

Fire responses in 2010 totaled 173, approximately 5.2% of the Department's total calls. Fire loss in 2010 is estimated \$4,253,000 and civilian injuries in as a result of fire totaled 5.

In 2010 Fire Prevention staff delivered to the head custodians of Clarington schools from the Peterborough Victoria Northumberland and Clarington Catholic District School Board and Kawartha Pine Ridge District School Board training outlining their responsibilities to fire safety planning in schools and developing a basic understanding of Ontario Fire Code requirements for schools. All accounts suggest this training was a success and our schools are safer from fire.

The Ontario Fire Code requires every 'dwelling unit' in Ontario to have working smoke alarms on every level of the home and outside sleeping areas. The term 'dwelling unit' includes seasonal homes such as park model trailers, cabins and cottages as well as trailer homes and motor homes. The 2010 the Alarm for Life Program visited 554 regular and seasonal dwelling units, providing residents with 14 smoke alarms and replacing 5 batteries.

Emergency and Fire Services partnered with Durham Regional Police in delivering the RIDE program in Bowmanville and Courtice through December of 2010. The purpose of this partnership was to demonstrate that all emergency services personnel are watching motorist driving habits, **DON'T DRINK AND DRIVE.**

The Emergency and Fire Services team is dedicated to making Clarington a "Fire Safe Community" by providing programs such as the Alarm for Life Program, Junior Firefighter Program and delivering service that promote a safe community. In closing, I ask you the Mayor and Council of Clarington to join our team and together be proactive in delivering all aspects of the Fire Protection and Prevention Act.

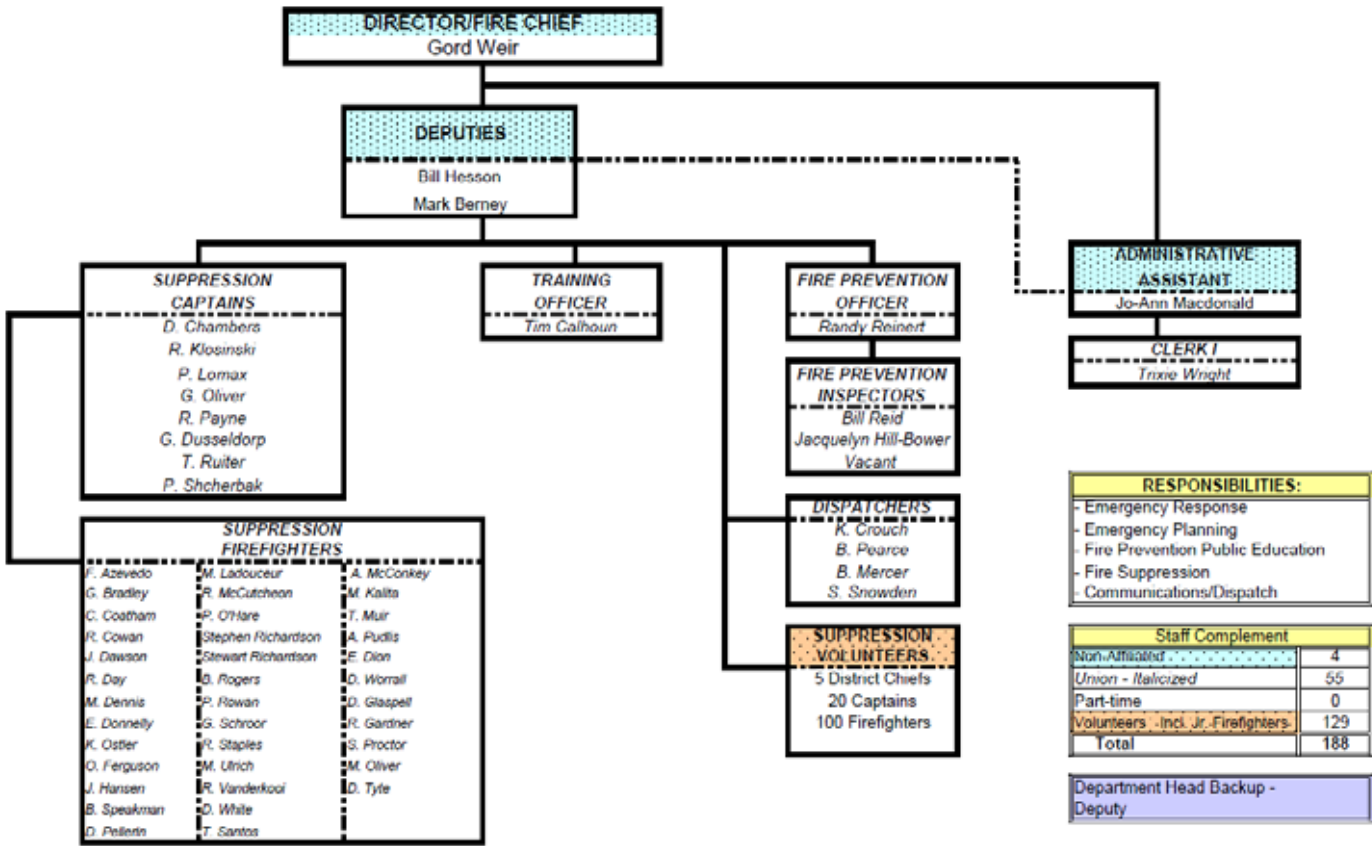
Thank you.

Gord Weir
Director of Emergency & Fire Services/Fire Chief



Emergency & Fire Services Organizational Chart

EMERGENCY AND FIRE SERVICES DEPARTMENT ORGANIZATION CHART 2010



Fire Station Locations

Five fire stations are strategically located throughout the Municipality:

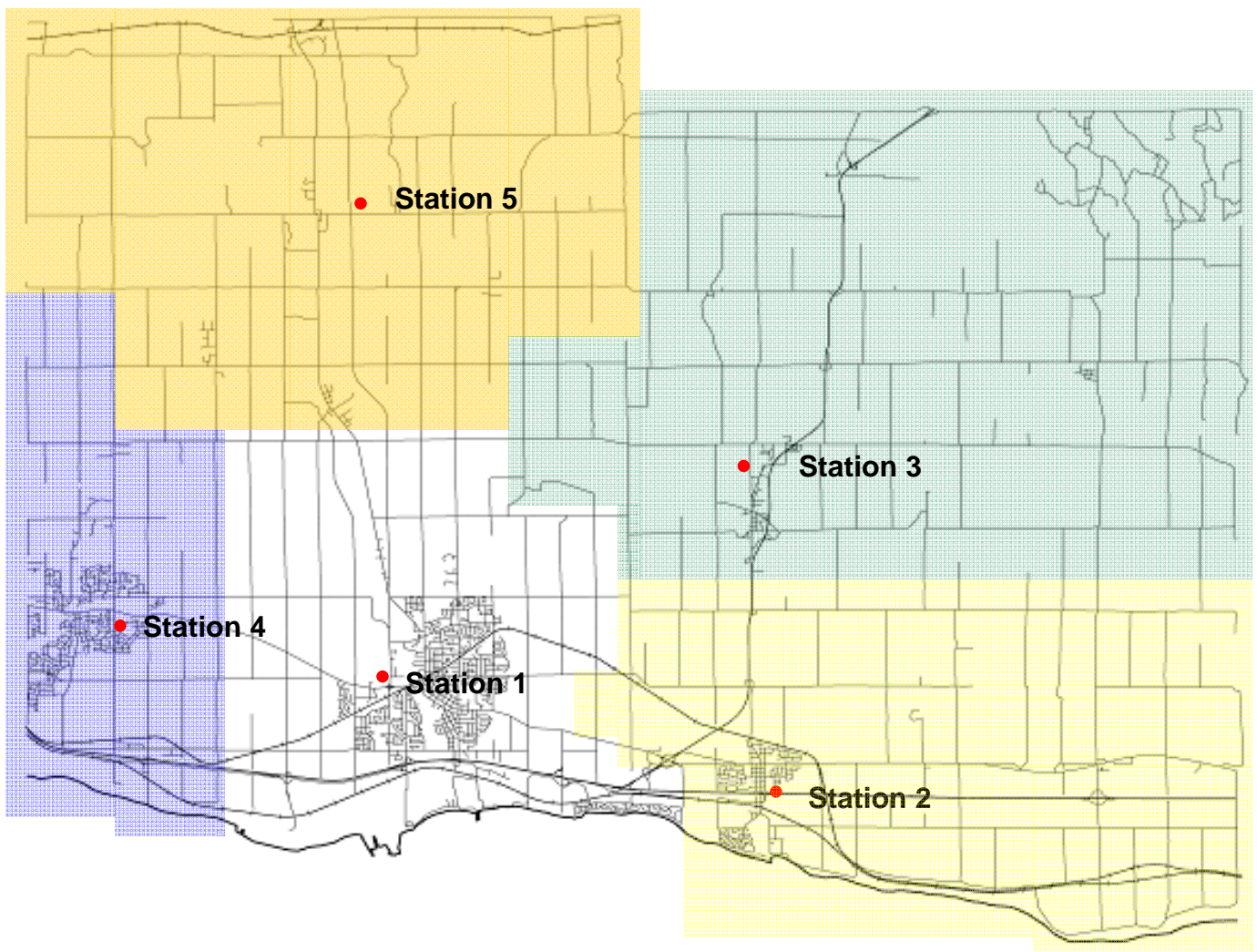
Station 1 – 2430 Hwy 2, Bowmanville

Station 2 – 247 King Avenue East, Newcastle

Station 3 – 5708 Main Street, Orono

Station 4 – 2611 Trulls Road, Courtice

Station 5 – 2354 Concession Road 8, Enniskillen



Response Types

Suppression staff respond to a variety of calls. The calls are reported to Council on a monthly basis, under the following Response Type headings:

Fires and Explosions: Instance of destructive and uncontrolled burning involving structures, vehicles and open area fires, including explosion of combustible solids, liquids or gases which may or may not have resulted in a dollar loss.

Pre Fire Conditions: Incidents with no fire that involve heat or potential pre fire conditions e.g. pot on stove, cooking – smoke or steam, lightning, fireworks.

Burning (controlled): Complaint call related to outdoor controlled burning, authorized or unauthorized. Fire Department did not take suppression action.

Overpressure Rupture/Explosion: An explosion or rupture as a result of pressure, no fire.

False Fire Calls: Alarm activation or fire call that when investigated, is determined to be as a result of equipment failure, malicious/prank, perceived emergency, accidental activation of alarm by person

CO (carbon monoxide) False Calls: A call where it is determined that the detection equipment malfunctioned or there was a perceived emergency – no CO leak

Public Hazard Calls: Includes a response for spills and leaks of a hazardous product such as Natural Gas, Propane, Refrigerant, Miscellaneous/Unknown, Gasoline or Fuel, Toxic Chemical, Radio-active Material, Power Lines Down, Arcing, Bomb, Explosive Removal, Standby, CO (carbon monoxide) or Other Public Hazard.

Rescue Calls: A call for a person in danger due to their proximity to the occurrence and who is unable to self evacuate and is assisted by Fire Department personnel i.e. Vehicle Accident, Building Collapse, Commercial/Industrial Accident, Home/Residential Accident, Persons Trapped in Elevator, Water Rescue, or Water/Ice Rescue.

Medical/Resuscitator Call: Includes a response to a patient suffering from Asphyxia, Respiratory Condition, Convulsions, Epileptic Seizure, Diabetic Seizure, Electric Shock, Traumatic Shock, Heart Attack, Stroke, Drug Related, Alcohol Related, Cuts, Abrasions, Fracture, Burns, Fainting, Nausea and Pre-Hospital Care such as Administering Oxygen, CPR, Defibrillation, or First Aid

Other Response: Assistance to other Fire Departments, call cancelled on route, non- fire incidents where an illegal grow operation or drug operation was discovered



Response Statistics

The following chart illustrates the 3-year trend in Call Types and Number of Unit Responses:

Call Type	2010	2009	2008
Property Fires/Explosions	173	176	147
Pre Fire Conditions	50	60	46
Burning Complaints	114	98	107
Overpressure Rupture/Explosion (no fire)	0	3	0
False Fire Calls	295	374	425
CO False Calls	203	236	259
Public Hazard Calls	131	144	130
Rescue Calls	388	382	478
Medical Calls	1,683	1,644	1,658
Other Responses	237	207	278
Total Number of Calls	3274	3,324	3,528
% Change	-1.5%	- 6.2%	- 2.2%
Number of Unit Responses	5,431	5,567	6,036
% Change	-2.5%	- 8.4%	- 4.8%



Pumper 1 was the busiest truck in the fleet, responding to 1,724 calls in 2010.



Response Statistics

The year end audit of calls reveals the following statistics:

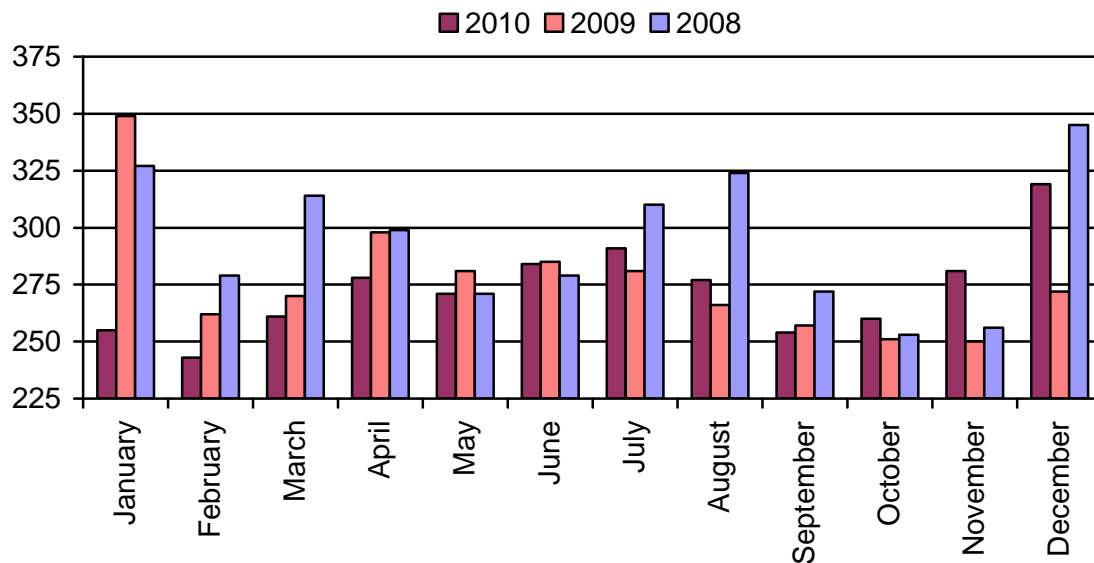
	Total Calls	Firefighter Injuries	Civilian Injuries	Rescues	Fatalities	Estimated Loss
2010	3274	2	5	0	0	\$4,253,000
January totals	255	0	0	0	0	\$443,200
Fire	11	0	0	0	0	\$443,200
Outdoor, No loss fire	1	0	0	0		
Non fire calls	243	0	0	0		
February totals	243	0	0	0	0	\$175,500
Fire	5	0	0	0	0	\$175,500
Outdoor, No loss fire	2	0	0	0		
Non fire calls	236	0	0	0		
March totals	261	0	0	0	0	\$161,900
Fire	6	0	0	0	0	\$161,900
Outdoor, No loss fire	9	0	0	0		
Non fire calls	246	0	0	0		
April totals	278	1	2	0	0	\$1,384,500
Fire	11	1	2	0	0	\$1,384,500
Outdoor, No loss fire	35	0	0	0		
Non fire calls	232	0	0	0		
May totals	271	0	0	0	0	\$64,700
Fire	8	0	0	0	0	\$64,700
Outdoor, No loss fire	4	0	0	0		
Non fire calls	259	0	0	0		
June totals	284	0	1	0	0	\$371,450
Fire	9	0	1	0	0	\$371,450
Outdoor, No loss fire	3	0	0	0		
Non fire calls	272	0	0	0		
July totals	291	0	0	0	0	\$291,100
Fire	12	0	0	0	0	\$291,100
Outdoor, No loss fire	9	0	0	0		
Non fire calls	270	0	0	0		
August totals	277	0	0	0	0	\$146,300
Fire	8	0	0	0	0	\$146,300
Outdoor, No loss fire	7	0	0	0		
Non fire calls	262	0	0	0		



Response Statistics

September totals	254	0	0	0	0	\$124,700
Fire	10	0	0	0	0	\$124,700
Outdoor, No loss fire	2	0	0	0	0	
Non fire calls	242	0	0	0	0	
October totals	260	0	1	0	0	\$201,200
Fire	3	0	1	0	0	\$201,200
Outdoor, No loss fire	3	0	0	0	0	
Non fire calls	254	0	0	0	0	
November totals	281	0	1	0	0	\$376,250
Fire	5	0	1	0	0	\$376,250
Outdoor, No loss fire	4	0	0	0	0	
Non fire calls	272	0	0	0	0	
December totals	319	1	0	0	0	\$512,200
Fire	5	1	0	0	0	\$512,200
Outdoor, No loss fire	1	0	0	0	0	
Non fire calls	313	0	0	0	0	

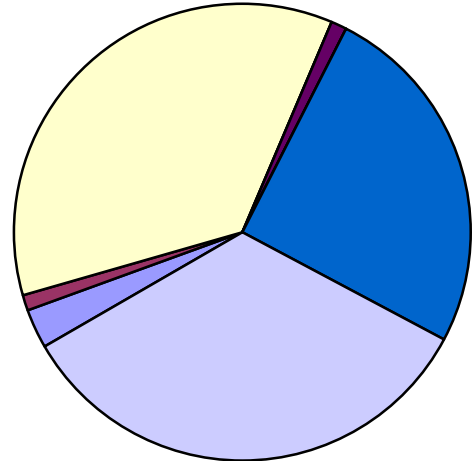
The graph below illustrates the 3-year trend in Monthly Call Volume:



Fire Loss Statistics

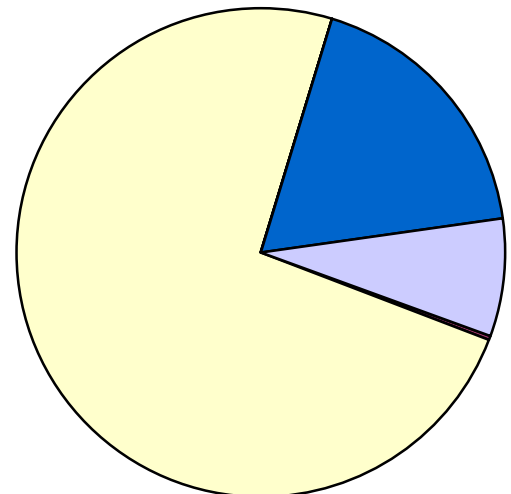
The number of property fires in 2010 was 173. Of the 173 fires, 90 fires recorded a dollar loss and 80 were no loss fires. The largest number of fires occurred in the Group C – Residential category, followed by Vehicle Fires then Miscellaneous Structures/Property Fires.

- Group A - Assembly Occupancies
- Group B - Institutional Occupancies
- Group C - Residential
- Group D - Business & Personal Services Occupancies
- Group E - Mercantile
- Group F - Industrial Occupancies
- Miscellaneous Structures/Property
- Vehicles



The estimated dollar loss is the cost of actual damage to property and contents. This amount includes direct losses resulting from fire, explosion, smoke, water or other damages associated with firefighting operations. The estimated dollar loss in 2010 was \$4,253,000 with the largest loss being in Group C – Residential Occupancies.

- Group A - Assembly Occupancies
- Group B - Institutional Occupancies
- Group C - Residential
- Group D - Business & Personal Services Occupancies
- Group E - Mercantile
- Group F - Industrial Occupancies
- Miscellaneous Structures/Property
- Vehicles



Major Fires Over \$50,000 – 2010

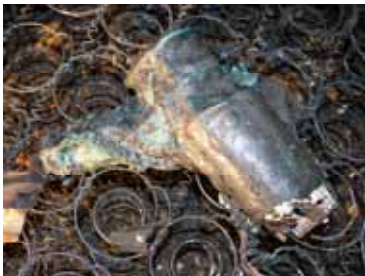
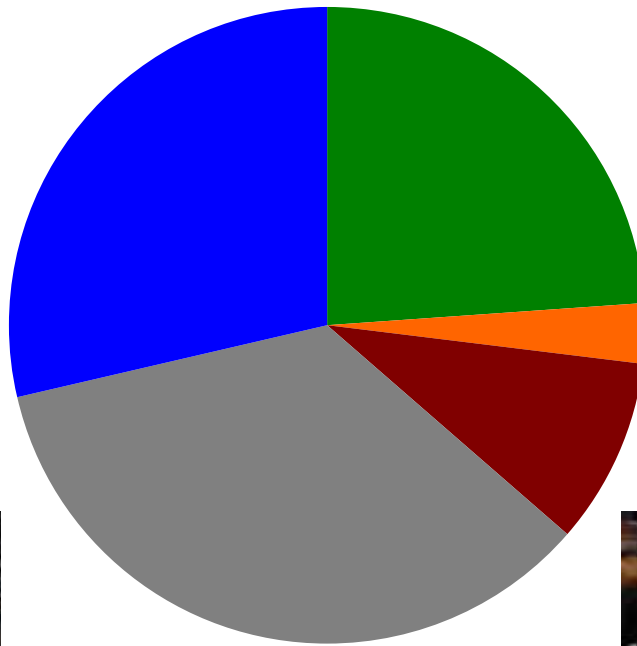
Listed below is a summary of all major fires occurring in the Municipality of Clarington in 2010. For the purpose of this report, major fires are identified as those where fire loss exceeds \$50,000.

Jan 1 2010	Detached Dwelling	100,000
Jan 1 2010	Attached Dwelling (e.g. rowhouse, townhouse, etc.)	150,000
Jan 8 2010	Detached Garage	150,000
Feb 10 2010	Detached/Semi/Attached with Accessory Apartment below grade	150,000
Mar 16 2010	Detached Dwelling	120,000
Apr 19 2010	Detached Dwelling	100,000
Apr 26 2010	Detached Garage	50,000
Apr 26 2010	Barn - containing equipment or produce only	60,000
Apr 26 2010	Detached Dwelling	60,000
Apr 26 2010	Barn - housing animals	400,000
Apr 28 2010	Detached Dwelling	710,000
Jun 18 2010	Quarry	250,000
Jun 22 2010	Detached Dwelling	100,000
Jul 22 2010	Quarry	50,000
Jul 28 2010	Detached Dwelling	165,000
Aug 26 2010	Agricultural	130,000
Sep 10 2010	Detached Dwelling	100,000
Sep 19 2010	Detached Dwelling	100,000
Oct 25 2010	Detached Dwelling	200,000
Nov 15 2010	Detached Dwelling	300,000
Dec 19 2010	Detached Dwelling	300,000
Dec 24 2010	Detached Garage	105,000
Dec 29 2010	Detached Dwelling	100,000



Fire Cause Statistics – 2010

An incident is the result of a set of conditions and a sequence of events that lead to the ignition of a material by an ignition source. This sequence of events is usually initiated by human acts (something which is done) or human omissions (something which has not been done). These acts or omissions are the cause of the fire because they trigger the events which lead to ignition of the fire. Determining fire cause is the foundation to reducing the loss of life and property as a result of fire. The graph below illustrates the Misuse of Ignition Source/Material Ignited caused a majority of fires in 2010.



■ Intentional



■ Unintentional

■ Design/Construction/Maintenance Deficiency

■ Misuse of Ignition Source/Material Ignited

■ Mechanical/Electrical Failure



Fire Prevention & Public Education

The duties of Fire Prevention staff include inspections arising from complaints, requests, retrofits, or self-initiated inspections in accordance with the Fire Protection and Prevention Act and Department policies.

New construction inspections and plans review of buildings under construction in matters respective of fire protection systems and life safety within buildings are conducted in accordance with the Building Code, Ontario Fire Code and applicable by-laws.

'Zero tolerance' remains our motto for offenders of the Ontario Fire Code, safety legislation, acts, regulations and Municipal by-laws relative to fire and life safety and offenders will be charged. Staff issued a total of 7 charges in 2010.

Providing suppression staff with technical support and training in fire prevention disciplines enhances the knowledge of responders and provides for efficient and effective resolutions to emergency situations.

Examining and investigating fire scenes and interviewing witnesses in an effort to determine cause and origin of fires and provide the foundation for public educational programs in Clarington is a key role of fire prevention staff. Of the 90 dollar loss fires, fire cause was determined in 71 cases, 19 fires remain undetermined.

Activity	2010	2009
Fire Inspections	233	473
Complaint Inspections	107	246
Fire Safety Plan Review	8	30
Fire Investigations	23	11
New Construction/Plans Review	165	234
Part 1- Smoke Alarm Tickets	2	6
Part 3 – Fire Code Charges	5	3
Homes Visited Alarmed for Life	554	720

Public fire safety education is achieved through the distribution of fire and life safety information and public education programs in accordance with the Fire Prevention and Protection Act and Department policies. The Department's residential smoke alarm awareness program entitled "Alarm for Life" is ongoing.

Implementing effective public education programs in an effort to reduce the number of fires, lives and property affected by fire is paramount. In 2010, the 138 public education events demonstrations reached thousands Clarington residents and visitors. Family Safety Day, Orono Fair and Canada Day celebrations are typical public events staff attended.

Public Education/Relations	2010	2009
Station Tours	50	35
School Visits	19	9
Fire Safety House Visits	11	10
Public Events	20	17
Safety Lectures	10	9
Fire Extinguisher Demonstrations	9	4
Fire Truck Visits	19	4



Fire Prevention & Public Education

September 25, 2010 was Family Safety Day in Clarington.



This year's event will take place on Saturday, September 24, 2011 and will again feature community-minded safety organizations providing awareness to everyone on personal safety and emergency preparedness.



Junior Firefighter Program

2010 marked the 16th anniversary of this program. Students in the week long camp learn valuable skills in firefighting, personal safety, police and emergency medical services. The program provides 200 Clarington children with a memorable opportunity.



Fire Chief for a Day



The 2010 Fire Chief for a Day contestant winner was 10 year old Tenzin Shomar from Ontario Street Public School in Bowmanville.

Congratulations Tenzin!



Training and Professional Development

Training and professional development of the Department's career and volunteer firefighters is the responsibility of the Training Officer. Developing personnel to the Ontario Fire Service Standards, industry best practices, Occupational Health and Safety Regulations, and the expectations of Council requires an extraordinary commitment.

Firefighters completed the third year of a three-year "Back to Basics" training program that was intertwined with specialized skills and technical rescue abilities such as:

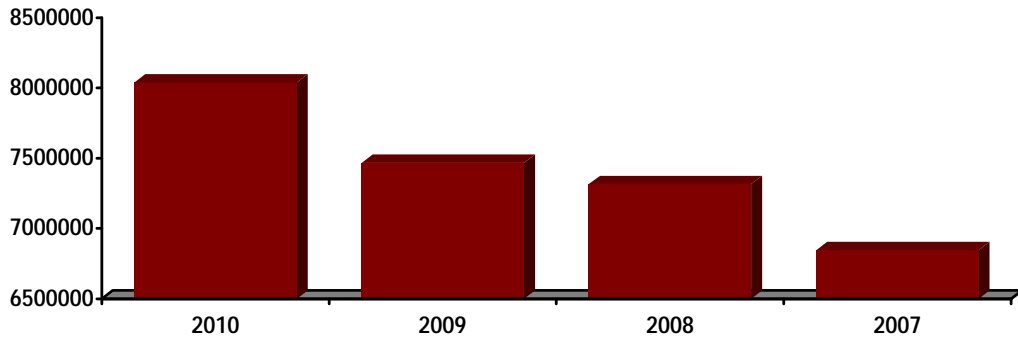
- Agriculture Machinery
- Auto Extrication Skills
- Basic Rope Rescue Training From Heights At St. Mary's Cement And Veltri Building
- Building Construction
- Confined Space Awareness
- Draegar Propane Simulator
- Driver Obstacle Course
- Dry Hydrant Exercise
- Emergency Medical Responder Training
- Fire Behaviour
- Fire Control
- Fire Fighting Skills
- Hazardous Materials Responses
- Incident Management Training
- Live Fire Training
- Pal Pak Hi-Rise Kit
- Pumper Operations
- Radio Communications
- Rapid Intervention Scenarios
- Silo Fires
- Sprinklers and Standpipes
- Structural Collapse
- Tanker Shuttle
- Water/Ice Rescue Training



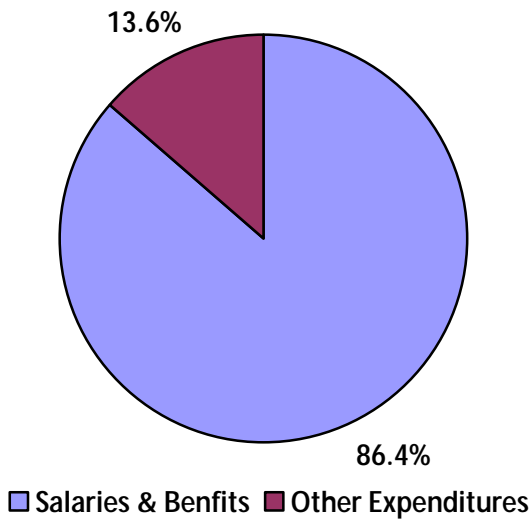
Emergency & Fire Services Budget – 2009

In 2010, Clarington Emergency & Fire Services operating budget totaled approximately \$8,038,979.

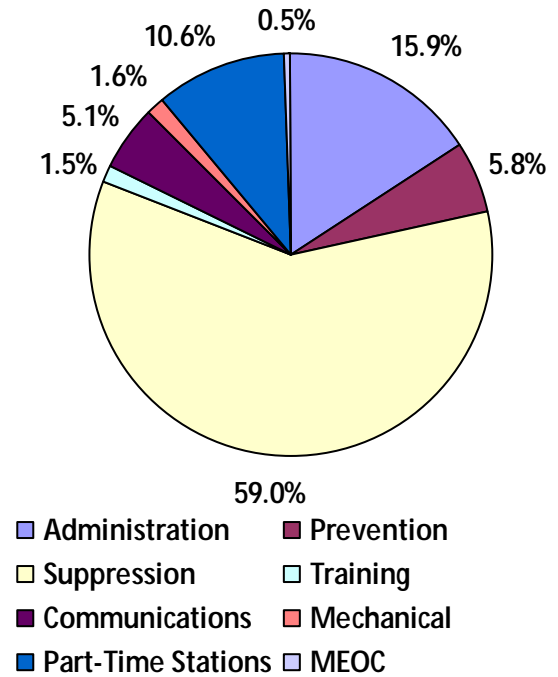
This graph illustrates the Department's operating budgets over the past four (4) years:



Emergency & Fire Services
2010 Budget Allocation



Emergency & Fire Services
2010 Operating Budget by Division



Service Medals

Fire Services Exemplary Service Medal



The Fire Services Exemplary Service Medal program, created on August 29, 1985, honours members of a recognized Canadian fire service who have completed 20 years of service, ten years of which have been served in the performance of duties involving potential risks, and were employed on or after the date of creation of the Medal. Exemplary service is characterized by good conduct, industry and efficiency. The Fire Services Exemplary Service Medal was awarded to the following individuals in 2010:

- District Chief Henry Gassman, Station 5
- Captain Tim Burpee, Station 5
- Captain Tim Calhoun
- Captain Harold Lamers, Station 3
- Captain Brent Pollock, Station 3
- Firefighter Grant Bradley
- Firefighter Carl Coatham
- Firefighter Paul Shcherbak
- Firefighter Rick Vanderkooi

Ontario Fire Services Long Service Medal

First awarded in 1971, the Ontario Fire Services Long Service Medal is an expression of appreciation and recognition of uniformed staff for 25 years of dedication and hard work within the Ontario fire service. At 30 years of service and every 5 years thereafter, a service bar may be requested and added to the medal's ribbon. Spouses of medal recipients receive a companion brooch. The Ontario Fire Services Long Service Medal was awarded to the following in 2010:

- Deputy Chief Mark Berney
- Deputy Chief Bill Hesson
- Captain Rob Payne
- Firefighter Richard Griffin, Station 3
- Firefighter Don Wright, Station 2



The dedication and commitment these firefighters have given to our Municipality is truly appreciated.



Acknowledgements / Announcements

Clarington Emergency & Fire Services would like to acknowledge the following:

- Quarry Lake Golf Course and Bill Gallagher for providing facilities for the Department to facilitate ice/water rescue training and annual fire pump testing.
- Ontario Power Generation, for their continued support of the Junior Firefighter Program and for the training and professional development of this Department's front line staff.
- Kobe Nurseries Inc and Ben Kobes, for providing the Municipality the opportunity to install a Dry Hydrant on their property.
- Durham Regional Police and Inspector Ostler for their efforts in providing community safety and their support during emergencies.
- Durham Emergency Medical Services and Chief Armstrong for their continued support during emergencies.
- Volunteer Firefighters and Career Staff of Clarington Emergency and Fire Services for their enthusiasm to training and emergency response, dedication to public education and fire prevention activities and for their commitment to Community Events across Clarington.
- Retired District Fire Chief Alf Alldread, who after 43 ½ years of serving the residents of the Village of Newcastle and the Municipality of Clarington retired in 2010.

