

# **BARRIE FIRE AND EMERGENCY SERVICE**

## **2015 ANNUAL REPORT**

Presented by:

Name: Fire Chief Bill Boyes

Date: June 6<sup>th</sup>, 2016

**DEDICATED TO LIFE SAFETY  
COMMITTED TO COMMUNITY SERVICE**



## **Our Department**

### **180 Staff comprising 6 Branches:**

- **Administration**
- **Operations**
- **Training**
- **Communications and Business Services**
- **Fire Prevention/Fire Life Safety Education**
- **Community Emergency Management**

## Highlights of the 2015 Annual Report

- Incorporating the City and BFES Mission, Vision and Values
- Freely negotiated Collective Agreement for 2015-2017
- Dispatching - increase to 20 fire departments
- Pilot program with OFM to train all staff as Public Educators
- Hired 8 new firefighters to replace retiring staff
- Successful Clearview cave rescue
- 10 “After the Fire Blitz's”- 1452 homes canvassed

## Highlights of the 2015 Annual Report

- IAFF Media Awards - Best Community/Education Outreach Project and Honourable Mention in the Best Affiliate Social Media video for “Close the Door”
- New Twitter account - over 2000 followers
- Numerous community partnerships- e.g. Georgian, TVO, Rogers, Home Depot
- 2 Simcoe County Public Safety Communications Awards

## Strategic Priorities

**1. Embracing OFMEM's Three Lines of Defence the model to improve public safety via:**

**I. Public Education**

- Training all staff to be NFPA 1035 certified public educators

**II. Code Enforcement/Prevention Inspections**

- Completion of a comprehensive risk assessment

**III. Incident Response**

- Training staff to NFPA standards across various disciplines

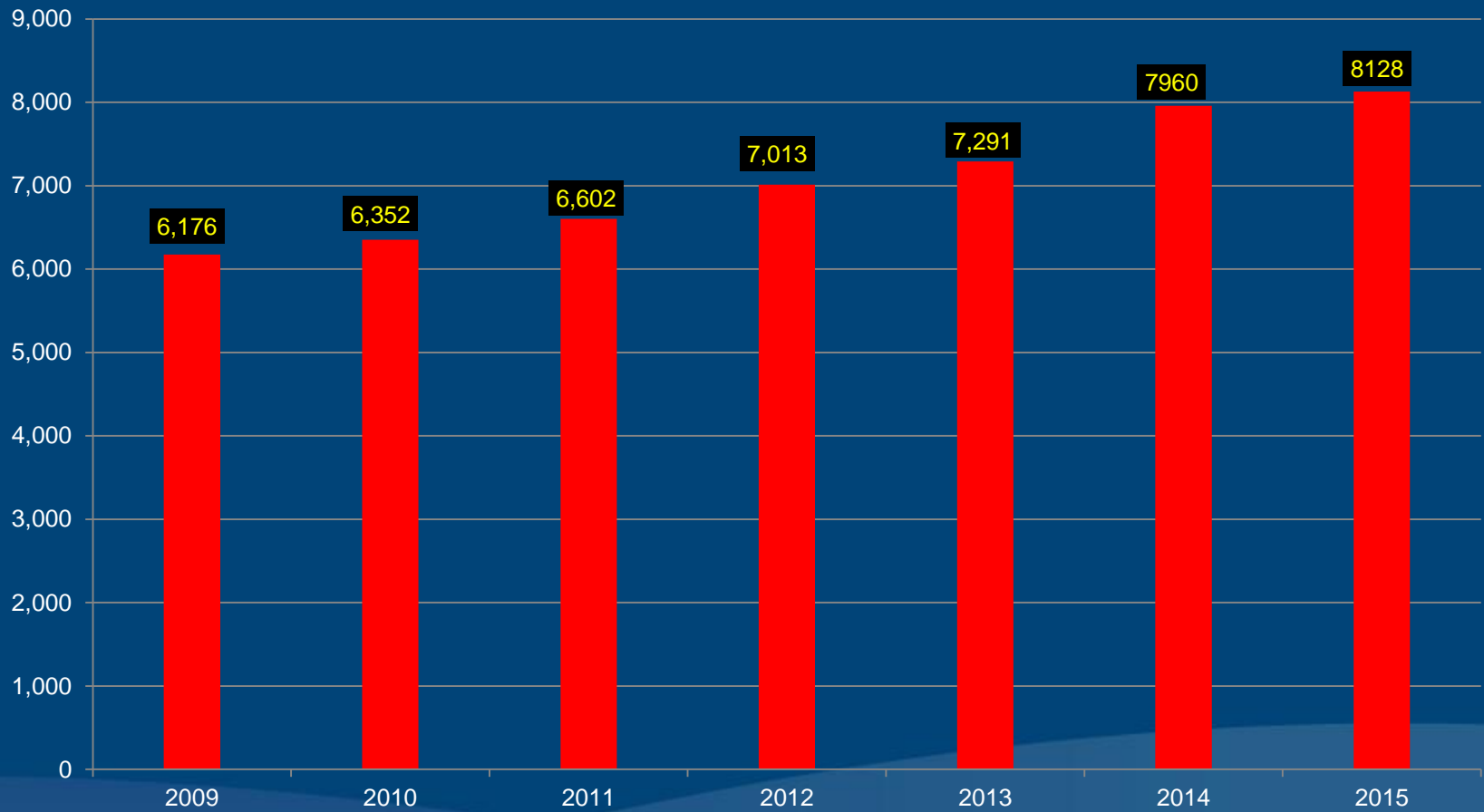
## Strategic Priorities

2. Building a values driven, healthy, safe, inclusive, and respectful culture
  - Undertaking a trial comprehensive wellness program
  - Using an occupational physician and PTSD screening
  - R2MR program
3. Empowering and developing our staff
  - Using internal staff knowledge and experience to address operational challenges and develop solutions
  - Increasing number of employees taking post- secondary education

## Strategic Priorities

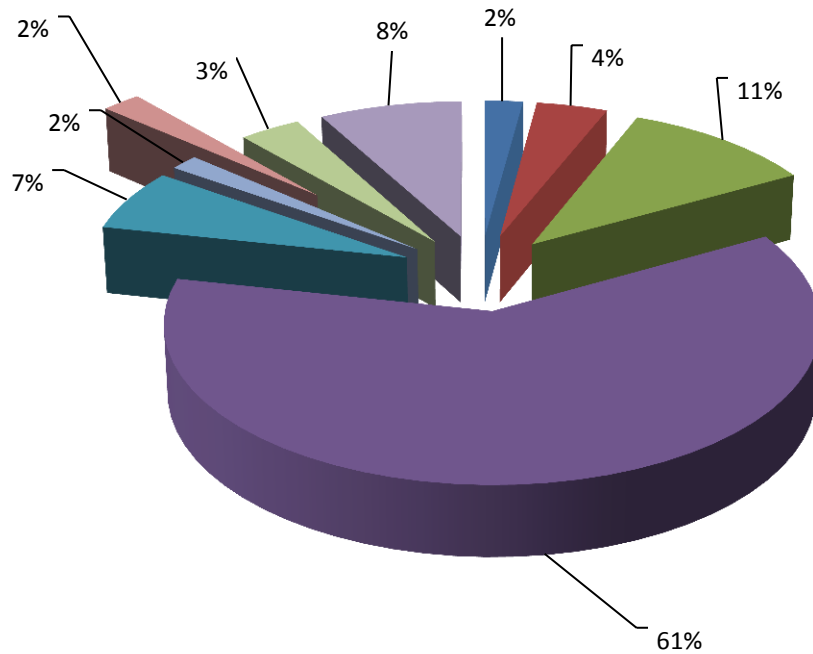
4. Demonstrating the value of the fire service via fiscal responsibility and leveraging stakeholder partnerships
  - Simcoe County Home Builders burn prop donation
  - Equipment repair thresholds
5. Embracing innovation through new technology and data
  - Implementing a web based, modifiable exposure tracking program to capture biological, chemical and traumatic mental stress exposures
  - Using analytical software to assess our deployment and response capabilities

# Incident Response- Total Incidents



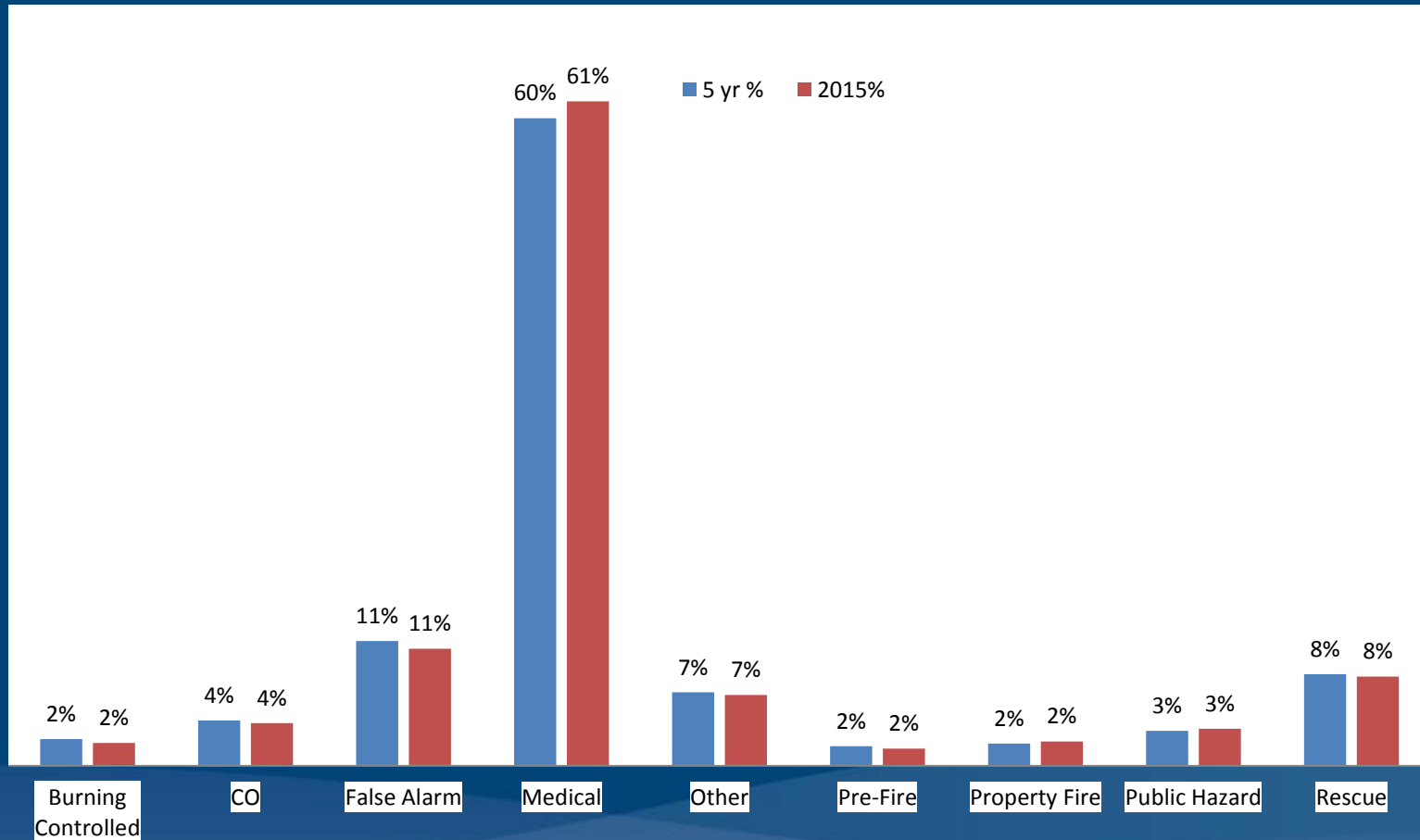


# 2015 BFES Incidents – by type

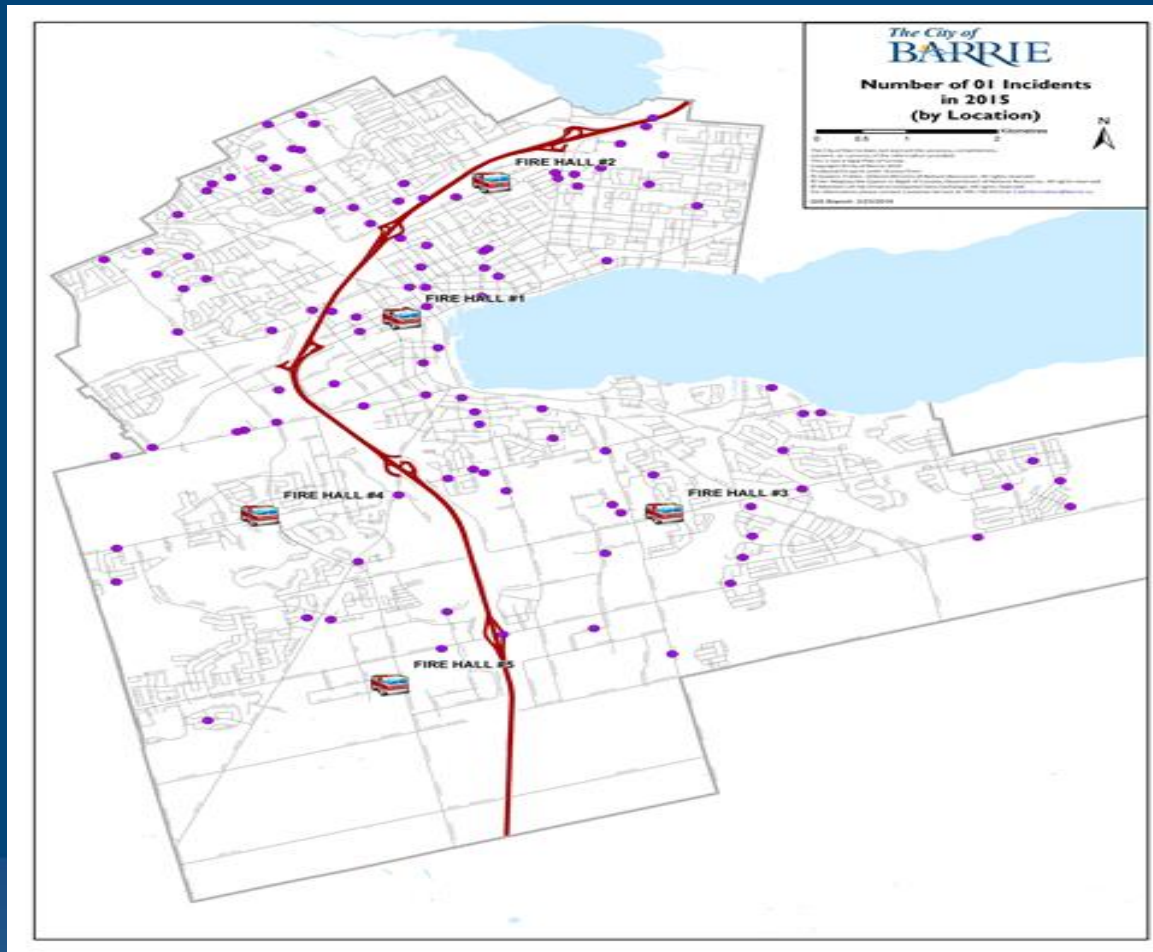


- Burning controlled
- CO false calls
- False fire calls
- Medical/resuscitator call
- Other response
- Overpressure rupture/explosion (no fire)
- Pre-fire conditions (no fire)
- Property Fire/Explosion
- Public Hazards
- Rescue

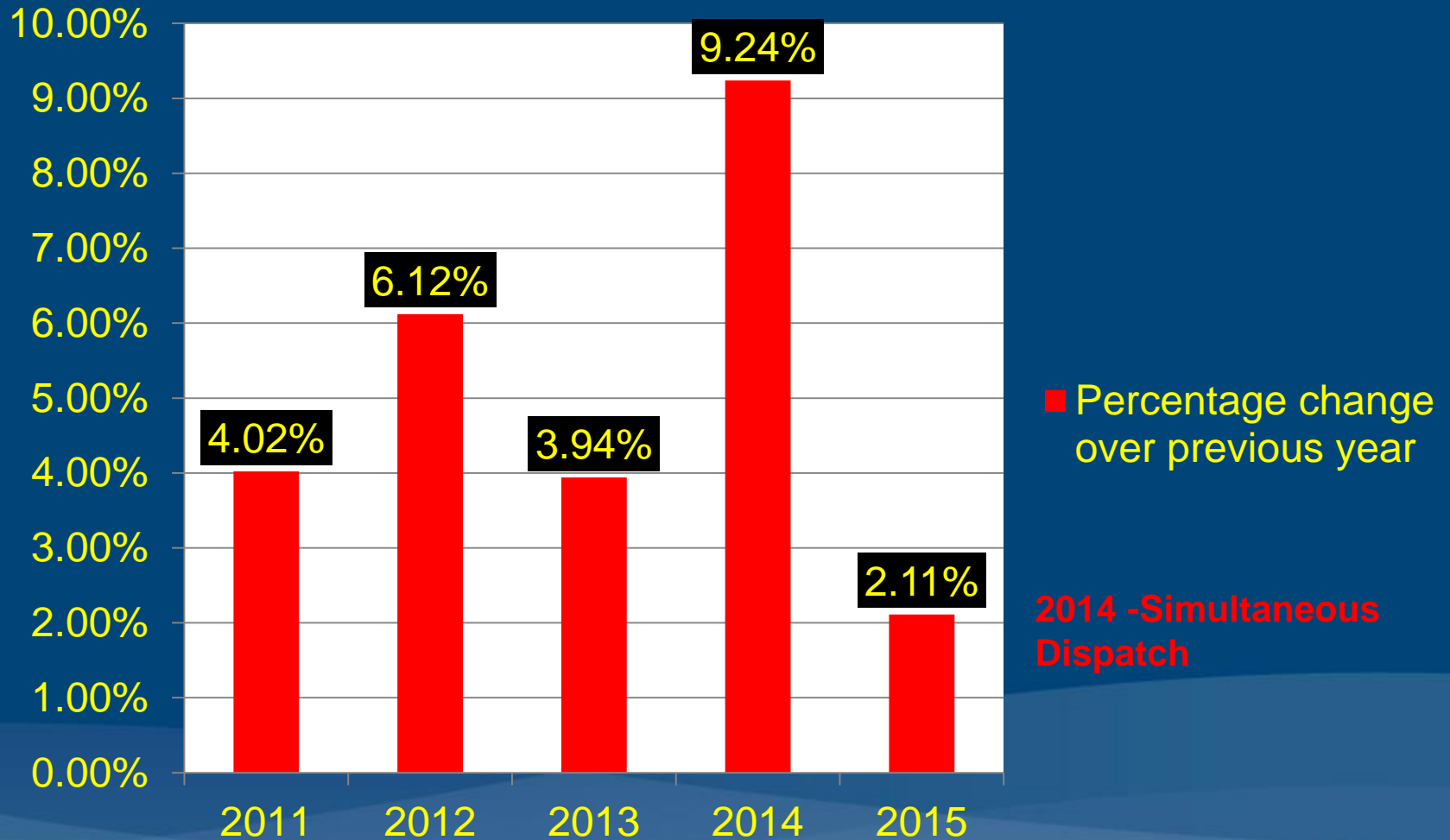
# Percentages of Incident Response Types



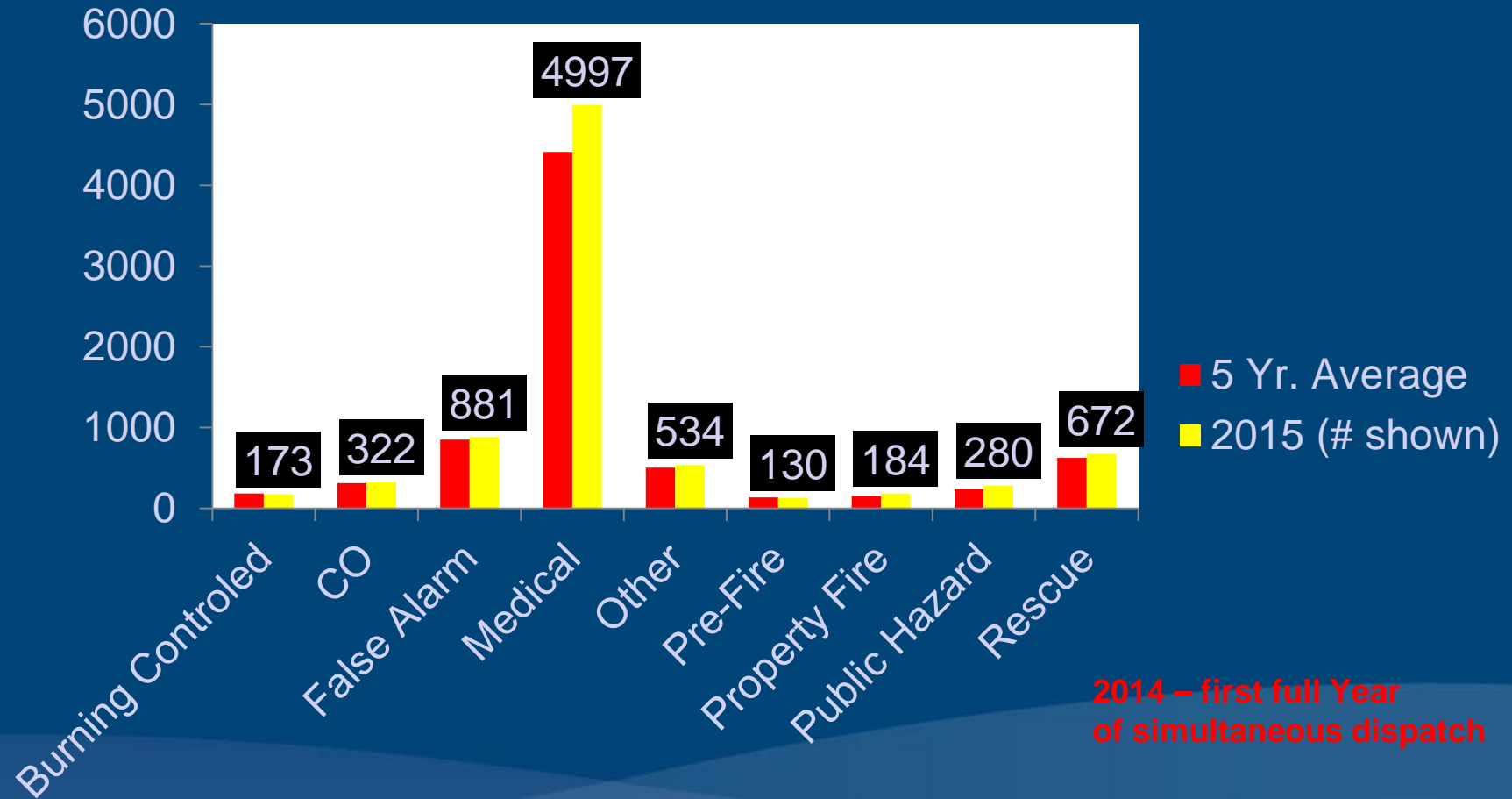
# Map of 2015 Fires



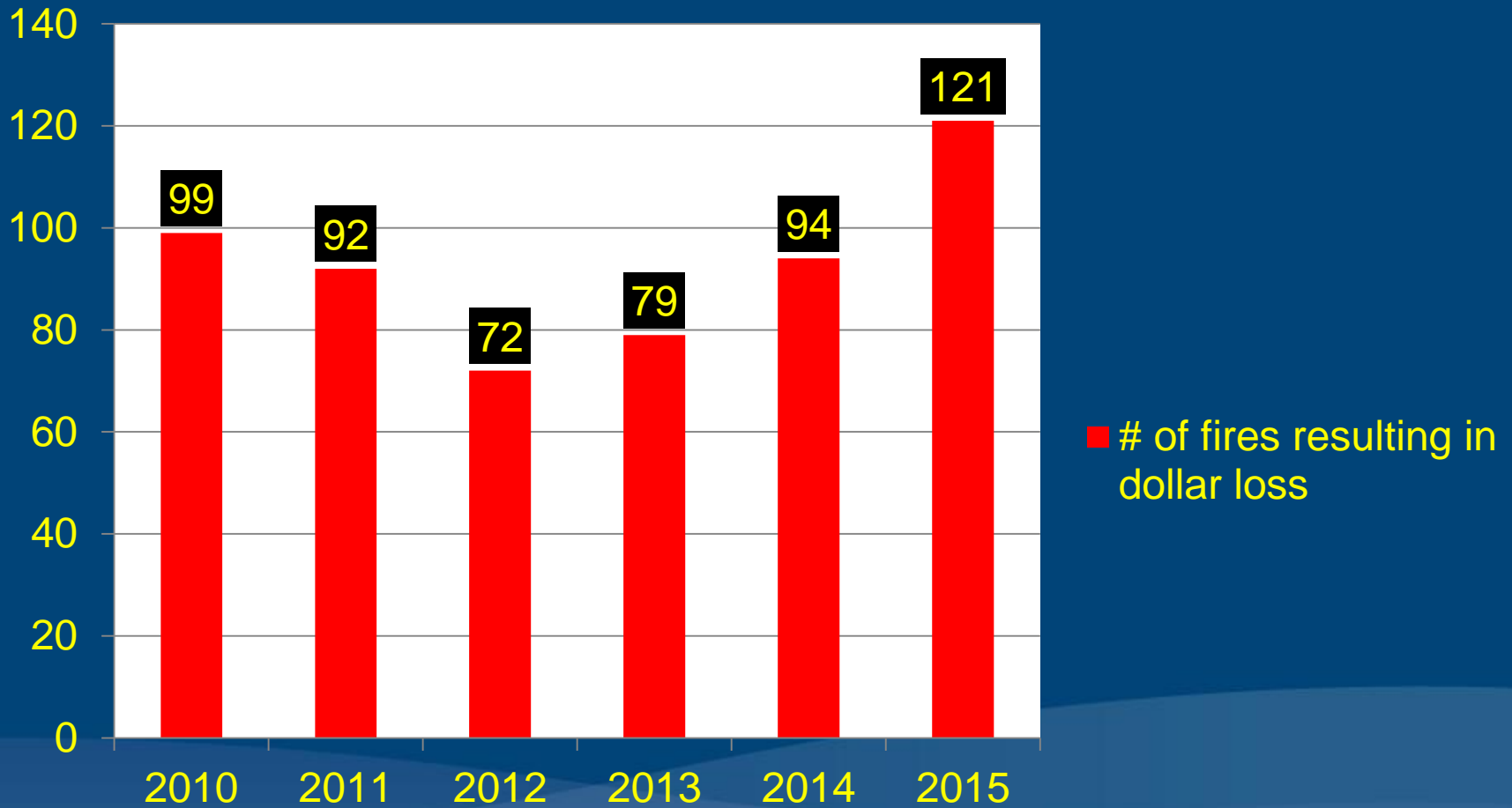
## Percentage Increase in Incident Volumes



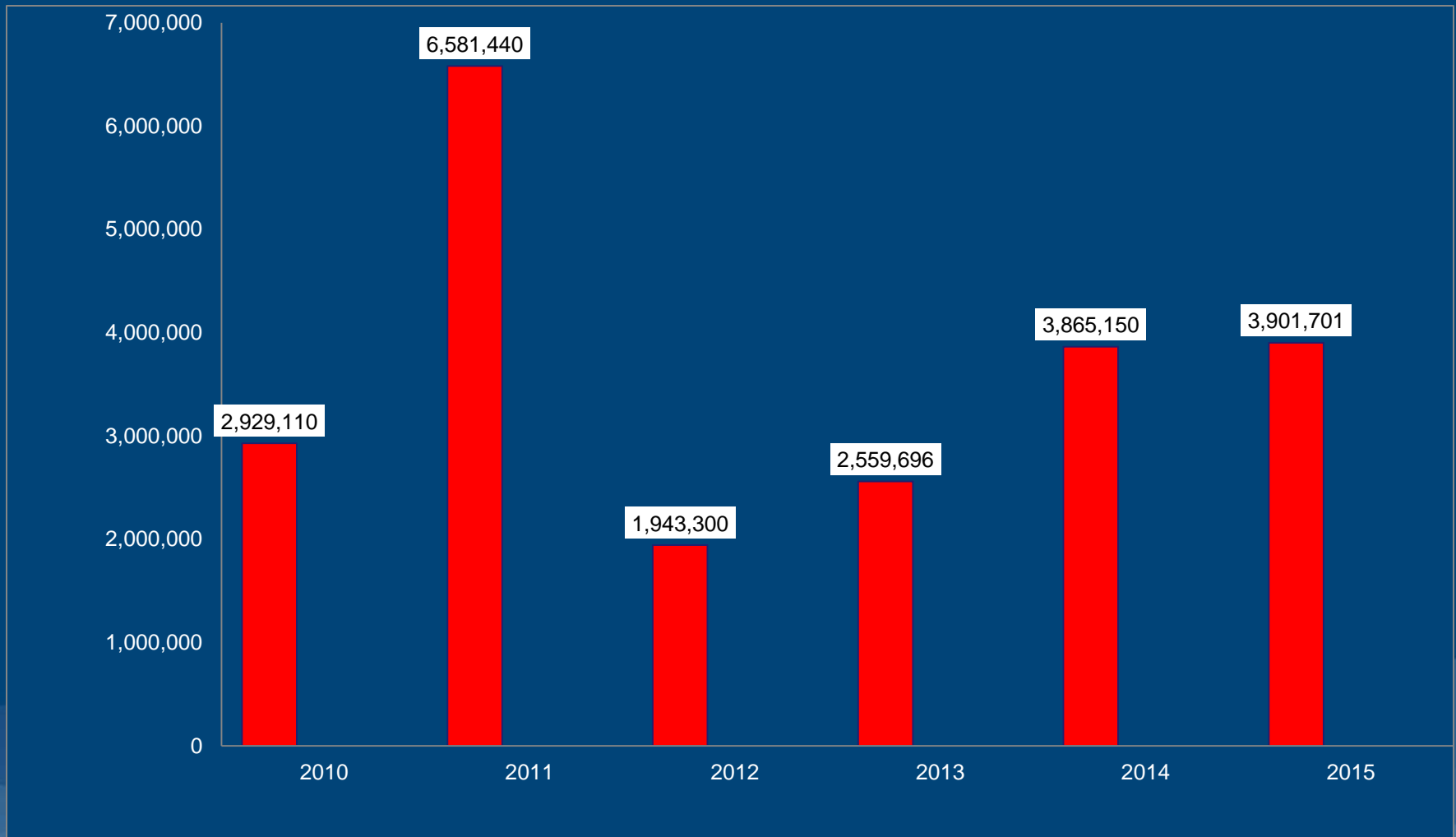
# 2015 Call Types & 5 Yr. Average



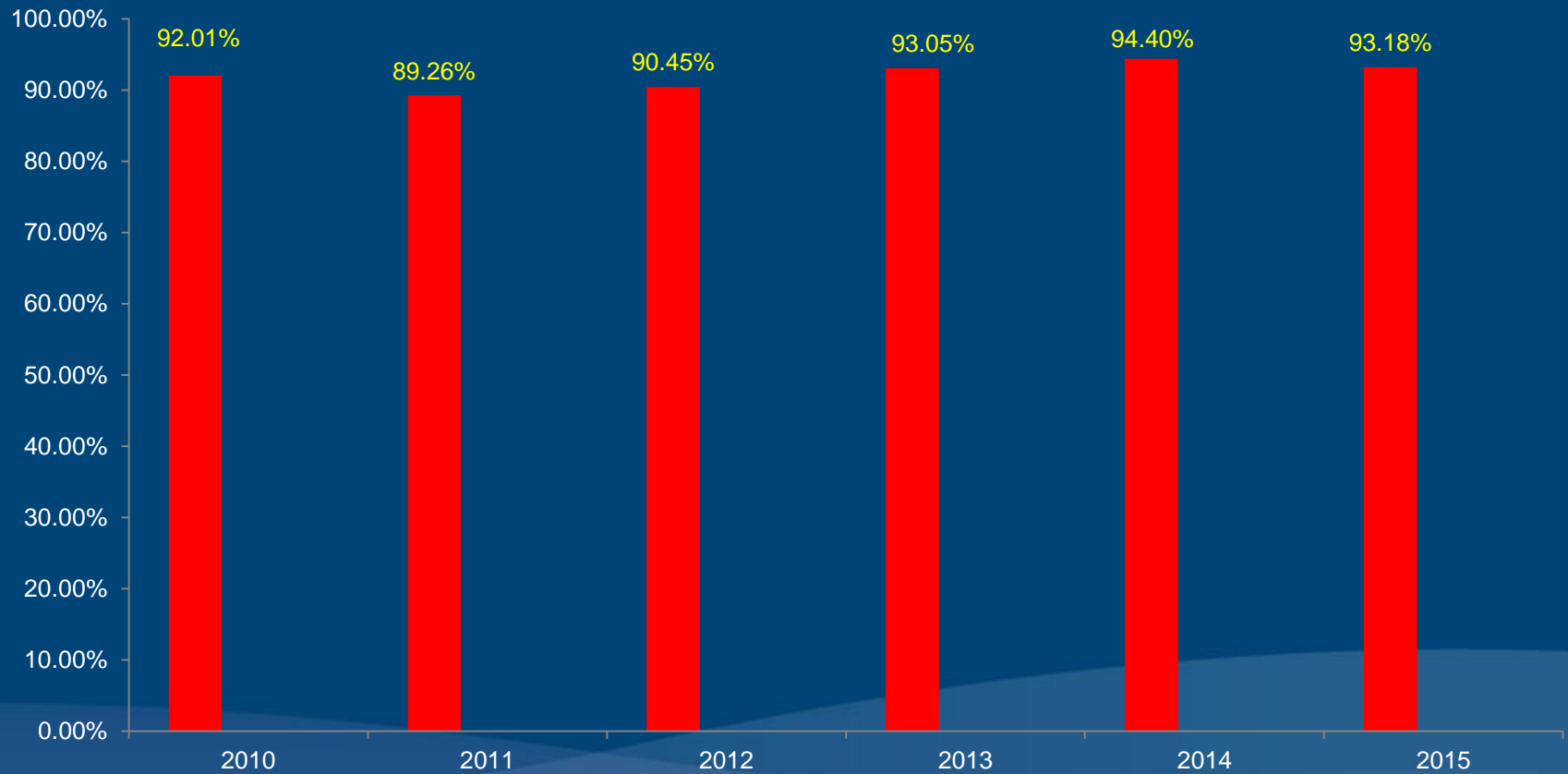
## Fires with Dollar Loss



# Total Dollar Loss

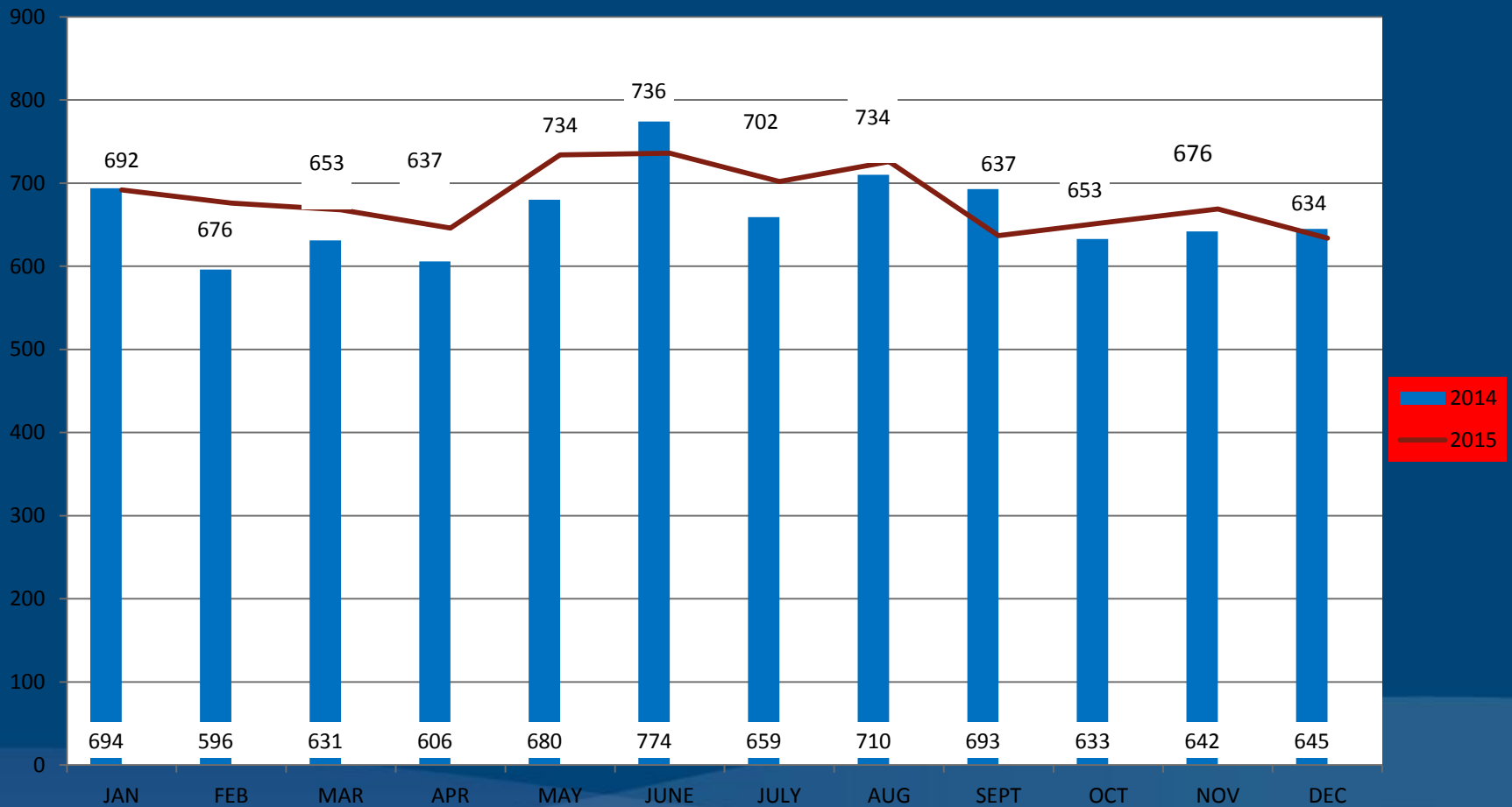


## 6 Minute Road Response 2010 - 2015





# Incidents by Month



# 2015 Annual Report

Questions?



[www.barrie.ca](http://www.barrie.ca)

[https://twitter.com/Barrie\\_Fire](https://twitter.com/Barrie_Fire)



## Push the Button



TVOKids and the Office of the Fire Marshal want your help to get the word out about our "Push The Button" campaign running from Monday, February 27 to Sunday, March 11 2012.

This initiative is to promote fire safety by asking families to test smoke detectors in their homes.

Please see the attached PDF poster. We encourage you to share this in your fire hall and your community.

For more information please contact TVO's Jennifer Israel at (416) 484-2600 x2481 or [jisrael@tvo.org](mailto:jisrael@tvo.org).



# BARRIE FIRE AND EMERGENCY SERVICES 2015 ANNUAL REPORT



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## MAYOR AND MEMBERS OF CITY OF BARRIE COUNCIL



**MAYOR JEFF LEHMAN**



Bonnie Ainsworth  
Ward 1



Rose Romita  
Ward 2



Doug Shipley  
Ward 3



Barry Ward  
Ward 4



Peter Silveira  
Ward 5



Michael Prowse  
Ward 6



Andrew Prince  
Ward 7



Arif Khan  
Ward 8



Sergio Morales  
Ward 9



Mike McCann  
Ward 10



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## CITY OF BARRIE VISION, MISSION AND VALUES

### ***Vision Statement***

The City of Barrie will be progressive, diverse and prosperous with opportunities for all citizens to build a healthy and vibrant community.

### ***Mission Statement***

The Corporation of the City of Barrie provides services and programs to build and support a prosperous, growing and sustainable community



### ***Values***

#### **Strive. Share. Care.**

- **Strive**

- ◇ to exceed customer expectations
- ◇ to continually improve the way we do business
- ◇ to find creative and innovative solutions
- ◇ to stay relevant

- **Share**

- ◇ Information
- ◇ Resources
- ◇ Ideas
- ◇ Workload
- ◇ Expertise

- **Care**

- ◇ About our customers
- ◇ About each other
- ◇ About the quality of our work
- ◇ About keeping our commitments
- ◇ About the community

*The City of*  
**BARRIE**



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# BARRIE FIRE AND EMERGENCY VISION, MISSION AND VALUES

## ***Vision Statement***

The *VISION* of the Barrie Fire and Emergency Service is to be a dynamic organization recognized and respected by the community as being on the leading edge of service provision.

## ***Mission Statement***

The *MISSION* of the Barrie Fire and Emergency Service is to protect the lives, well being and property of the people of Barrie through dedication to life safety, commitment service and the preservation of the environment.

## ***Values***

The *VALUES* of Barrie Fire and Emergency Service reflect leadership through team involvement encompassing:

Safety

Professionalism

Accountability

Efficiency

Integrity

Innovation



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## MESSAGE FROM THE CHIEF



On behalf of Barrie Fire and Emergency Service (BFES), I am pleased to present the 2015 Annual Report. BFES is a team of dedicated professionals delivering a vast array of emergency services to the citizens, business and visitors to Barrie.

When reflecting on 2015, BFES experienced a number of accomplishments including the freely negotiated three year collective agreement between the Corporation and the BPFPA, the hiring of 8 firefighters using the new provincial recruitment model, increasing our fire department dispatch customers to a total of 20 and initiating a pilot program with the Ontario Fire College to train all staff as certified public educators.

Moreover, we secured land in the south of Barrie to develop a temporary training

facility to facilitate regular practical-based training of our staff.

BFES is committed to embracing the OFMEM's 3 Lines of Defence model; comprised of public education, fire inspections and code enforcement along with emergency response, to facilitate an overall community risk reduction strategy. We truly believe that this model is the most effective and sustainable approach to ensure improved public safety.

I would like to commend retired Fire Chief John Lynn, who led BFES for the past 8 years, for his exemplary leadership and dedication to the citizens and the community. We will continue to move the department forward in a progressive manner.

Barrie will continue to experience significant growth in

the coming years, which brings its own unique challenges. We will strive to address these challenges with a strategic approach underpinned by public sector best practices. Our vision for the future leverages data and technology to guide our decisions, focuses on fostering relationships between internal and external stakeholders, demonstrates a commitment to health and safety and aligns with the City's and BFES values.

I am honoured to lead an incredible group of fire service professionals within BFES that are committed to delivering the highest quality educational, preventative, communication and emergency response services possible to the community and the citizens of Barrie.

Bill Boyes  
*Fire Chief*





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## DEPUTY CHIEF PORTFOLIOS



### *Deputy Chief Jeff Weber*

Jeff has been in the fire service for 24 years. His career started with the City of Kitchener where he spent time as a responding fire fighter, a captain, a training officer, and a deputy chief of fire prevention and communications.

Jeff moved to Burlington Fire Department in 2009 where he spent the next 5 years as the deputy of fire prevention, emergency management and communications. Jeff's experiences included the Via train derailment, the 2013 ice storm and the August 2014 floods that plagued portions of the city.

Jeff relocated to the City of Barrie in late 2014 and is now the Deputy Fire Chief of Fire Prevention and the Community Emergency Management Coordinator.



### *Deputy Chief Sue Dawson*

Sue Dawson started her career with Barrie Fire and Emergency Service in 1982. Working in Communications and Administration she was made Manager of Communications in 2000. She became Deputy Fire Chief of Communications and Business Services in 2014.

Sue has participated in the growth of the Communications Division to its current status of a centre responsible for over 400,000 citizens in Simcoe County and Muskoka.

Sue has achieved the international designation of ENP (Emergency Number Professional) which is a professional designation relating to public safety and 9-1-1 systems. She has also completed the CMCP, Centre Management Certificate Program. She was on the committee that brought 9-1-1 to the City of Barrie and Simcoe County and is the current 9-1-1 Coordinator for the City of Barrie.

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## DEPUTY CHIEF PORTFOLIOS



### *Deputy Chief Cory Mainprize*

Cory started his career with Barrie in 2000 after serving three years in the Town of Calton. Cory worked as firefighter until achieving the position of Captain in 2013.

Working as a member and President of the Barrie Professional Firefighters Association throughout his career, he has extensive experience in the area of Health and Safety, WSIB, Negotiations and Labour Relations.

Cory was appointed to the position of Deputy Chief in March of 2016 and manages the Operations and Training Branches.



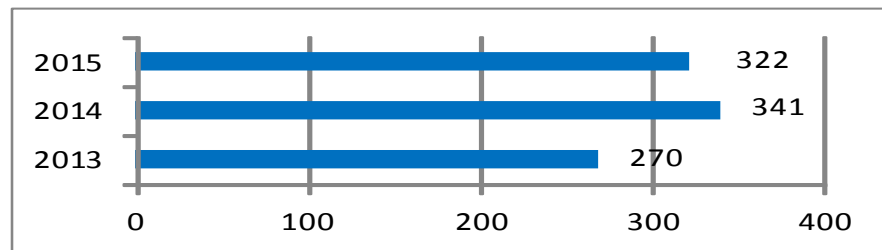
## 2015 IN REVIEW

Changes to the Ontario Fire Code made it mandatory that all residential properties with a fuel burning appliance and/or an attached garage, be required to have a working Carbon Monoxide (CO) alarm outside of sleeping areas. Single family homes were required to have the alarms installed by April 15, 2015 and Landlord with more than 6 units were given until October 15, 2015. These changes resulted in additional time being taken for every inspection conducted. A new information brochure was developed and an educational campaign was done via local media and social media.

### After the Fire Blitz

Whenever this is a fire emergency in the City where an educational message can be made, BFES does a After the Fire Blitz.

### Carbon Monoxide (CO) Responses



Staff from the fire prevention and suppression canvas the area where the fire occurred, talk to the residents about the fire and what

they can do to protect themselves and their families from a similar incident. We also check smoke and CO alarms and replace/install if necessary. We did 10 blitzes in 2015, canvassed 1452 homes. Fire deficiencies were found in 45% of the home canvassed. We target our blitz with a Good, Better, Best philosophy :

**Good**—when we leave or provide information to an owner or renter regarding smoke alarms and CO alarms.

**Better**—When we provide and explain information to an owner or renter in person, we can better gauge if the owner or renter understands that it is their responsibility to maintain their dwelling in compliance, and if the dwelling is in compliance at the end of interaction.

**Best**—When we gain access through appropriate means to a dwelling and actually educate the resident on the most appropriate placement, operation and maintenance of smoke and CO alarms.



## 2015 IN REVIEW CONTINUED



### Smoke Alarm at Centre Ice

In a partnership with Facilities and Parks and Recreation, centre ice at city rinks was turned into a smoke/co alarm with the message “Working Smoke and CO Alarms Save Lives”. We had received such positive feedback from the first one at Holly Rec Centre that we expanded it in 2015 and now have the creative message at 5 arenas.



### The Butcher Shop and Old Firehouse Catering

Lawrence Vidum, owner and honorary BFES firefighter made us an offer we couldn't refuse. When he purchased his new catering truck, he donated the back doors to us for advertising space. We provided the artwork and messaging and Old Firehouse Catering covered all costs. Cooking is the number one cause of home fires, and since The Butcher Shop and Old Firehouse Catering are known for theirs, it was a perfect partnership to message cooking safely. This catering trailer travels throughout the province and community members are reminded of fire safety without any cost to the taxpayers.

### Lawnchair Luminata

For the sixth consecutive year Barrie Fire and Barrie Professional Firefighters Association have sponsored Lawnchair Luminata. This year's movie was Big Hero 6 and it was a big hit! We had over 1000 attendees and of course Sparky, Timon and Pumba entertained the crowd with fire safety messages before the big show.

### Thanksgiving Fire Safety Cooking Demo

Residents attended the Butcher Shop for a live cooking demo to learn about fire safety in the kitchen as families got ready to serve up their Thanksgiving feasts on the weekend. Special “recipes for safety” were served as more than 1000 turkeys were picked up.



## 2015 IN REVIEW CONTINUED

### Fire Prevention Week

The theme in 2015 for Fire Prevention Week was, *Hear the beep where you sleep—every bedroom needs a working smoke alarm.*

Some of the events that were held included the **Home Depot Fire Safety Day** showing shoppers how quickly fire spreads with a live side-by-side burn demonstration. It was very visual and showed the importance of picking materials that are fire resistant.

**Community Open House at First Station 1.** More than 500 attendees got to check out the fire trucks, meet the firefighters and enjoy activities for all ages including the bouncy fire truck, mini-combat challenge, face painting, movies and popcorn.

**Domino's Pizza Partnership**—dinner was on us if the residents had working smoke and CO alarms. Information on the event were delivered for the month leading up to the evening. Four fire trucks and four fire prevention officers accompanied Domino's pizza drivers on their deliveries. While we did have to install a couple of alarms, there was a marked improvement compared to last year.

### 12th Annual Home Escape Night and Street Party

Once again, residents had the opportunity to vote for their ward to win this event. The winning street was Shania Court, Ward 9. Fire trucks toured the winning Ward with lights and sirens blazing. Once residents heard the sirens, families practiced their home escape plan and met us on the street for the party. There was free Dominos Pizza, a bouncy fire truck, mini-combat challenge and of course Sparky. Staff from the Office of the Fire Marshal also attended and a press conference at a local home was held just prior to the event starting.



### DIY for Women

In partnership with Kiddie Canada, Home Depot and Birnie CurrentSafeGrab, we hosted our first DIY for Women night. We had 40 women registered and the night was a huge success. Attendees learned about fire safety at home such as alarm placement and installation, turning off gas, hydro and water and more.



## 2015 IN REVIEW CONTINUED

### Large Incidents in 2015

Our department was involved with a number of large incidents in 2015.

The explosion on Collete Crescent in March 2015 caused over \$400,000 in damages and 4 residents were seriously injured. City Police called in VICARS allowing victims to talk about the event and to offer trauma services.



In June 2015, a large fire occurred on Diana Way with 3 homes sustaining fire damage. This fire occurred mid-



day and with many residents commenting on how fast the fire grew and spread to neighboring homes. The cause of the fire was determined to be careless smoking.



In September 2015, we were involved in another significant fire on Hickling Trail.

This was a licensed boarding, rooming and lodging house with six students living in the resident. The Fire Marshal's office was called in since the fire was deemed to be suspicious.

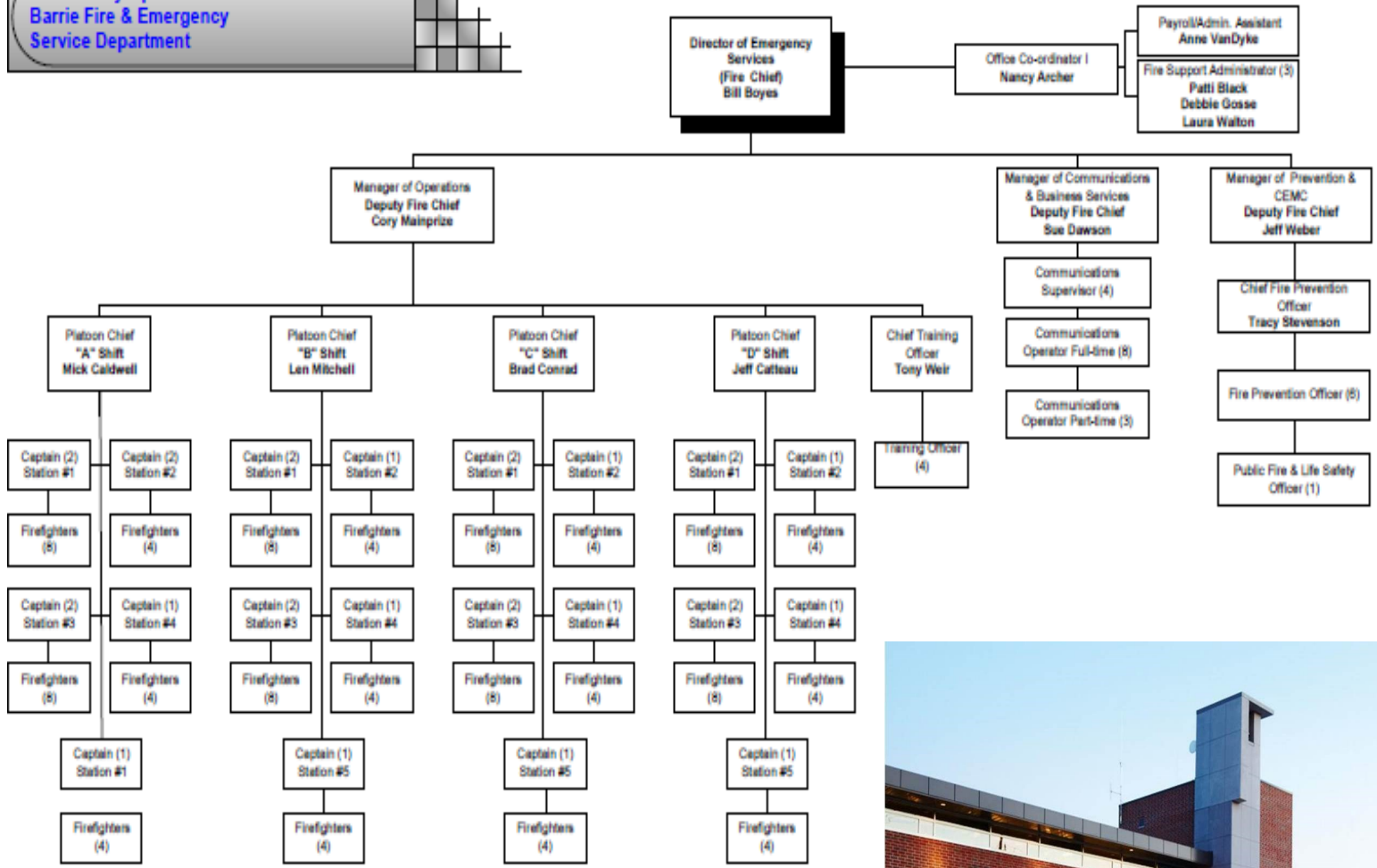
An overnight fire occurred in November of 2015 resulted in a fatality in the downtown area. The resident had been occupying a small building on the property after a previous fire destroyed the original home.



In June of 2015, we participated in a cave rescue with other Fire Departments. A man was wedged 12 meters down, between the rocks for more than 13 hours before being rescued. Crews from Clearview, Barrie, Toronto and Simcoe County worked together to perform this rescue.



# BFES MANAGEMENT TEAM



## OUR VALUED STAFF

In December of 2015, Fire Chief John Lynn announced his retirement after 39 years in the fire service which included 31 years with Barrie Fire and Emergency Service.

Chief Lynn was first appointed as Acting Chief almost 9 years ago and was Chief for 8 1/2 years.

Deputy Chief Boyes was promoted to Fire Chief upon Chief Lynn's retirement.

We welcomed 8 new fire fighters in September: Alden Connolly, Craig Genys, Mike Cook, Ben Lopes, Jimmie Lee, Cliff March, Jadie Miller and Patrick Tasse.



Congratulation to Platoon Chief Rob Taylor on his retirement in January 2016 and also to Fire Fighter Gerry Martin who retired in February of 2015.

We also congratulate Brad Conrad who was promoted to Platoon Chief on C Platoon, and to Todd Byers on his promotion to Acting Platoon Chief on B Platoon.

We look forward to the contributions of our new and newly promoted staff and wish all of our retired members a happy, safe and enjoyable retirement.



## SERVICE AWARDS AND RECOGNITION

In June 2015, at the **Fire Marshal Public Safety Council awards** luncheon, the Barrie Rotary Club received a fire safety award for their assistance with our door-to-door campaign during the inaugural Carbon Monoxide Awareness week on 2014. The Barrie Rotary club recruited volunteers to assist us with a door-to-door campaign to heighten awareness about the new Carbon Monoxide legislation. Volunteers worked alongside Barrie Fire staff knocking on doors, distributing safety information on Carbon Monoxide alarms and when necessary, installing CO and/or smoke alarms during the inaugural CO Awareness Week in November 2014. Staff and Rotary volunteers visited 651 homes between the hours of 11 am and 3 pm on Sunday and provided flyers to every home we visited. Staff and volunteers actually got to speak to 305 residents from the area. Of those residents we spoke to directly, 242 confirmed that they did have a carbon monoxide alarm in their home.



The **IAFF Media Wards Contest** helps create a greater awareness of the important work that professional fire fighters and paramedics in the United States and Canada do to keep the public safe. The contest honors communications, reporting and photography that best portray fire fighters and paramedics as dedicated all-hazards first responders. Barrie Fire won first place for the Best Community/Education Outreach Project and received an Honourable Mention in the Best Affiliate Social Media video for our production of "Close the Door", a catchy video with fire safety lyrics sung to the tune of the Christmas holiday classic, "Let It Snow". Firefighters thank the staff of nursing and healthcare facilities for familiarizing themselves with fire safety plans and conducting fire drills.



### Clearview Cave Rescue

Kudos to staff involved in an extremely challenging, "once in a career " rescue. Very few people outside of BFES can comprehend the amount of effort and training required to affect such a rescue or the time, effort and resources required to provide all of the services we at BFES deliver on a daily basis to the citizens of Barrie and Simcoe County. It was very rewarding to see members of the elite Toronto HUSAR team seamlessly integrate into the rescue sector established by BFES and comment on the high level of skill demonstrated by our Technical Rescue team.



## SERVICE AWARDS AND RECOGNITION (Continued)

Congratulations to a number of staff who received their Federal Exemplary Service Medals and the Provincial Long Service medals in 2015.

They include:

### **30 Year Bar (Federal)**

Robert Taylor and Robert Gracey

### **20 Year Medal (Federal)**

Keefe Hood, Dana Boughner, Brad Conrad, Jamie Healey, Gerry Martin, Jesse Northcott, Harry McMullen, Kevin White, Sandy Stevens, and DC Jeff Weber.

### **30 Year Long Service Bar (Provincial)**

Robert Taylor and Robert Gracey

### **25 Year Long Service Medal (Provincial)**

Brent Wilson, Don Gratto, Gord Beilby, Tracy Stevenson, Jeff Holmyard, Donna Douglas, Tony Weir, David Pipher, Darcy Nicholson.

Two Barrie Fire Communications Teams were recognized at the Eight Annual Simcoe County Public Safety Communications Awards Ceremony on April 9, 2015. (*Loni Bellavance not available for photo*)

Sharon Phillips-Laidlaw, Tracy Toner and Amanda Wickham were the communicators on duty when a F3 tornado touched down in the municipality of Essa. They dispatched 39 calls within a short period of time. Other fire departments dispatched by Barrie Fire were also impacted by this storm, so increased call volumes were experienced during this event. Communicators Kevin Aiken, Joan Farrow, Ryan Macdonald, Desta Ortiz and Scott Simpson responded to provide additional assistance during this prolonged storm event.

Wendy Camber, Loni Bellavance and Scott Simpson were recognized for their efforts during a difficult ice rescue call in Tiny Township. 2 snowmobilers were lost out on the ice, one was injured and with an approaching storm and nightfall, they were not sure of their location. This team worked well together to determine the location of these individuals including them looking for the lights from fire vehicles on shore to assist in locating them.



## FIRE PREVENTION PROGRAMS AND EVENTS

### TVO Kids

The Push The Button Campaign continues to be successful not only in Barrie but across the province of Ontario. In the fall of 2015, almost 18000 smoke and CO alarms were tested by children.

### Stats from 2015 fall “Push 2 Buttons” campaign:

Desktop counter: 17,980

Page views: 4,842

Unique page views: 3,834

Avg. Time on Page: 1:06

We identified a local Barrie family with two young children that are true fire safety ambassadors. They “Push the Button” quite regularly and practice their home escape plan each and every time the smoke alarm sounds. TVO Kids came to Barrie and showcased this family and their dedication to fire safety. They also stopped by BFES headquarters and filmed some important video segments in our dispatch center and with the firefighters from B platoon.

### Georgian College

For the second year in a row, we did a side-by-side burn demo to demonstrate to students how quickly fires burn and the importance of working alarms and an escape plan. This year however, we did more than a grassroots approach by having all the different programs involved. The materials for the build were donated by Canadian Automatic Sprinkler Association, but the burn cell itself was built by Georgian Cabinetry and Woodworking students, and furnished/decorated by Student Council. Georgian Security supported out demo by holding their required fire drills. The fire alarms were sounded, staff and students evacuated the buildings as per their fire safety plan and found us in the parking lot with the burn cell. We had over 1500 participants. It was an extremely successful event.

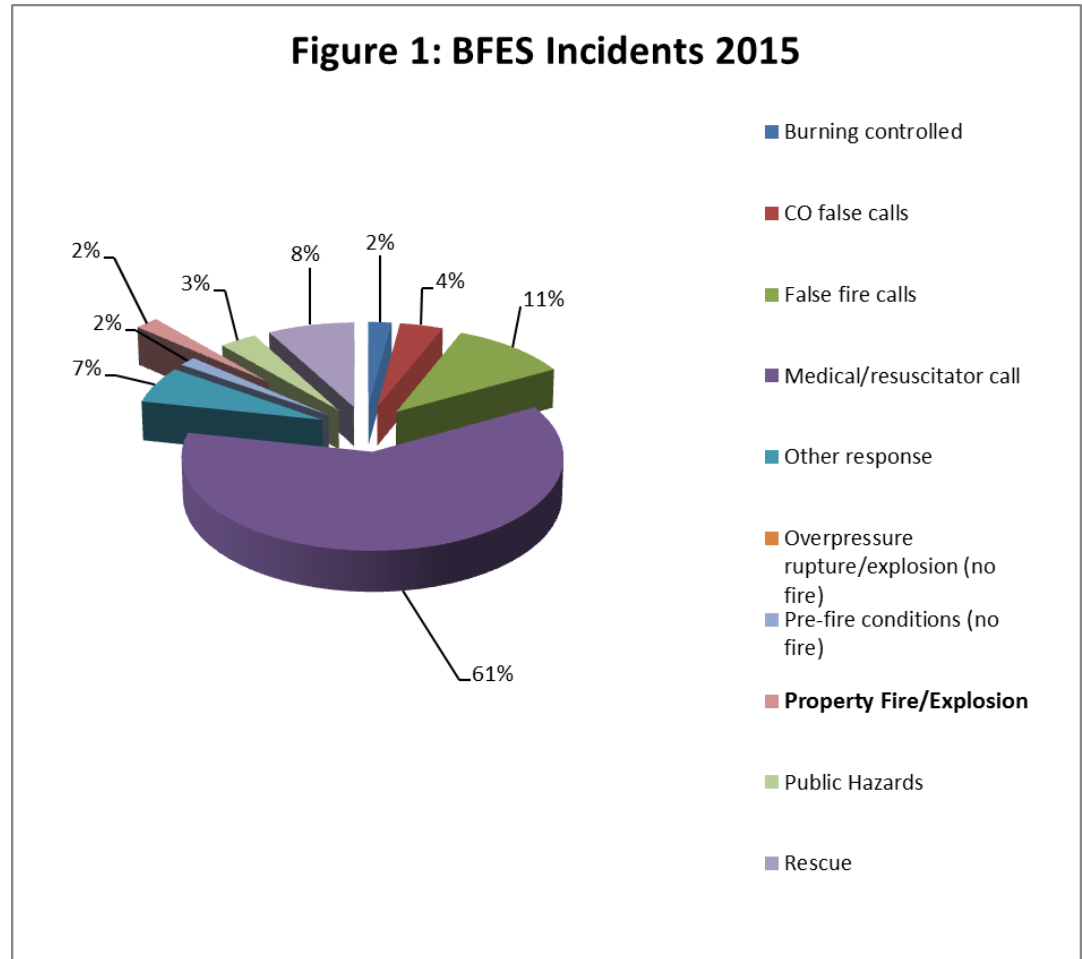


## EMERGENCY RESPONSE DATA

The BFES attended to 8128 incidents in 2015. This is a 2% increase over 2014. This is significantly lower than the previous year increase of 9%. This increase may have been due to several factors including growth, and the implementation of EMS TIFF.

Our incidents are broken down into the generalized categories shown in Figure 1. These are standard incident reporting categories that is required for by the Office of the Fire Marshal and Emergency Management. The profile of incidents has not changed significantly over the past 3 years and our 2015 experience mirrors the 3 year average. The greatest portion of our incident occurrences are in assisting EMS with medical or resuscitator incidents at 61% of our call volume. However, medical resuscitator incidents compared to our fire related incidents do not accurately represent a percentage of staff time spent on each category of actual incidents. Figure 2 takes a further look at our overall fire responses. 64% of our fire related response deals with false fire calls. This category will include alarms activations, human perceived incidents, malicious and accidental alarms as well. Burning controlled is our responses to open burning complaints contributing to 13% of our overall fire related responses.

Property fires accounts for 13% of our fire related incidents and only 2% of our overall incidents for 2015.



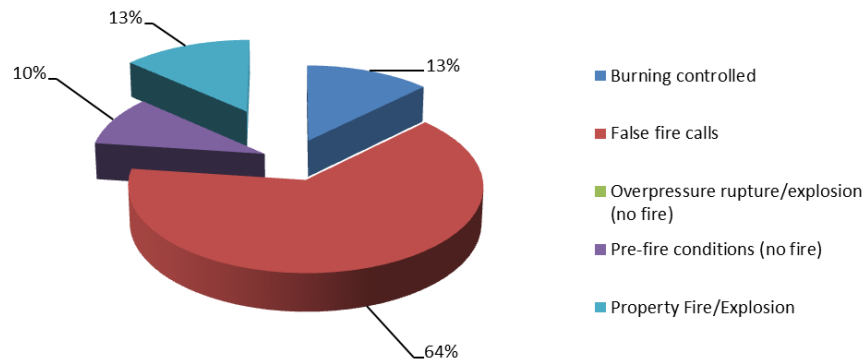
**Table 1: Responses by Barrie Fire and Emergency Service 2013 - 2015**

	2013	2014	2015
<b>Count of incidents</b>	<b>7262</b>	<b>7930</b>	<b>8128</b>
<b>Percentage increase over previous year</b>		<b>9%</b>	<b>2%</b>



## EMERGENCY RESPONSE DATA CONTINUED

**Figure 2: Fire Related Incident Categories 2015**



Our property fires account for significantly more staff time per incident than any other incident type. This is due to the critical tasks that are required and critical positions that must be filled to ensure an appropriate level of safety. Although 61% of our incident occurrences represent responses to medical resuscitator type incidents, they typically only require limited resources and generally do not take a lot of our BFES staff time. Fires only represent 2% of our incident volume, but when we consider the staff time required at a fire scene it represents a significantly higher percentage overall and is comparable to the total staff time required over the year on medical resuscitator incidents.



### Total Responses for all Apparatus

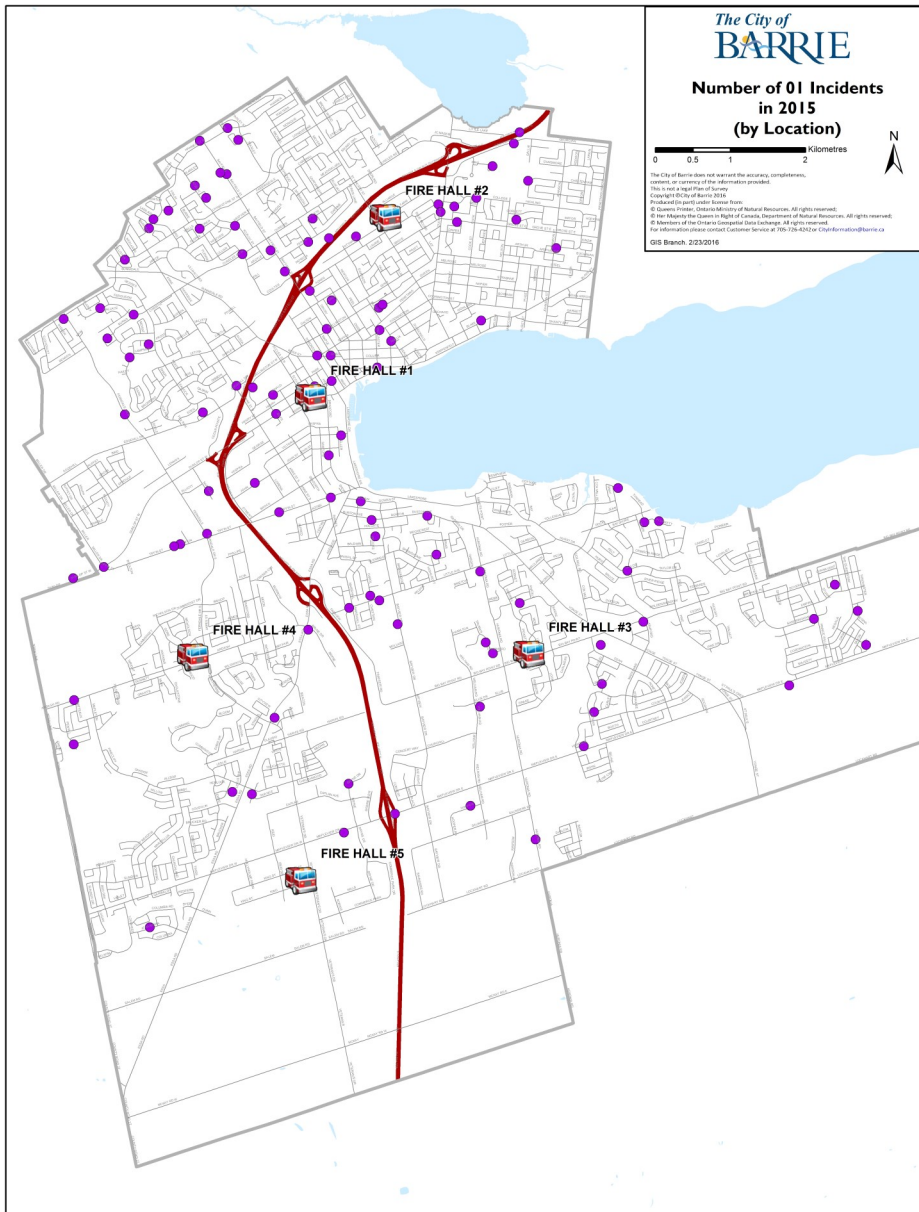
The table below includes the responses of all frontline, reserve and support apparatus to emergency incidents. At times, reserve apparatus are used when frontline apparatus are out for maintenance.

Vehicle Responding	Number of Incidents
Barrie Brush 1	169
Barrie HazMat 3	45
Barrie ISO Car	207
Barrie Ladder 11	37
Barrie PC Car	719
Barrie Pump 1	2614
Barrie Pump 8	177
Barrie Pump 9	176
Barrie Rescue 2	1853
Barrie Rescue 4	869
Barrie Rescue 5	842
Barrie Rescue 8	241
Barrie Rescue 9	275
Barrie Squad 1	6
Barrie Tower 3	405
BTWR 1	957
Marine 1	2
Quint	476
Tank 3	1169



# EMERGENCY RESPONSE DATA CONTINUED

Map #1



## Where were our fires this year?

BFES responds to all area of the City, but of course our call volumes vary from station district to station district. Considering the main response vehicles that are normally staffed out of each station Table 2 shows the number of incidents that each vehicle responded to.

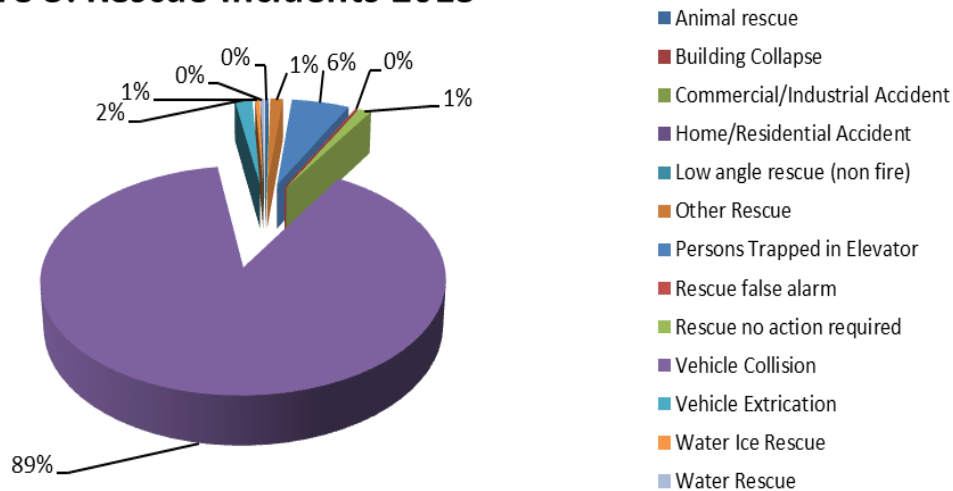
BFES has also started to map the fire experience on an annual basis to help to better understand visually where fires are occurring. The map provided (Map#1) shows the City of Barrie fire incident experience for 2015. Each dot represents one or multiple incidents of fires at each property location. This will provide the BFES with some of the initial information required to complete a comprehensive risk assessment and start to indicate where to focus public education and inspection resources to realize the biggest gains to improve fires.



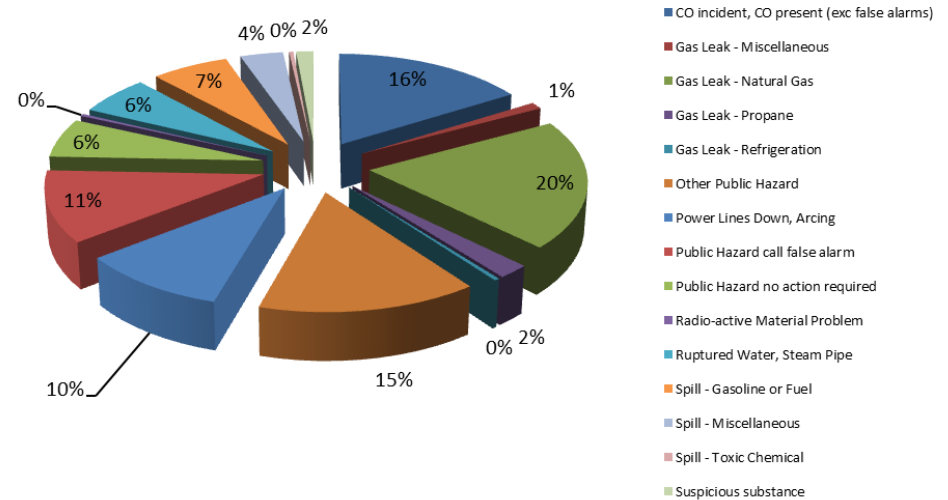
## EMERGENCY RESPONSE DATA CONTINUED

Beyond our fire related responses, we are a primary agency for response on a number of different incident types. Figure 3 shows our rescue incident experience for 2015. A large portion of our rescue incidents are working with other response agencies including police and Simcoe County Paramedic Services to provide assistance at vehicle collisions on our roads and Provincial highways. This accounts for the largest portion of our rescue type incidents at 89%. BFES participates in the Simcoe County CBRNE program for hazardous materials response and provides technical rescue services across a number of disciplines to the City and Simcoe County.

**Figure 3: Rescue Incidents 2015**



**Figure 4: Public Hazard Incidents 2015**



Another smaller category of response that accounts for roughly 3% of our responses is a significant category when considering the types of incidents that reside in that particular category. The public hazard category takes into account hazardous materials incidents, carbon monoxide incidents in which carbon monoxide was encountered, elevator rescues, and other spills and releases. It is not as significant in numbers of responses, but it is significant in the severity and risk to the public when considering the types of incidents, and the staff resources required to manage these incidents. Figure 4 indicates the public hazard types of incidents that BFES attended in 2015.



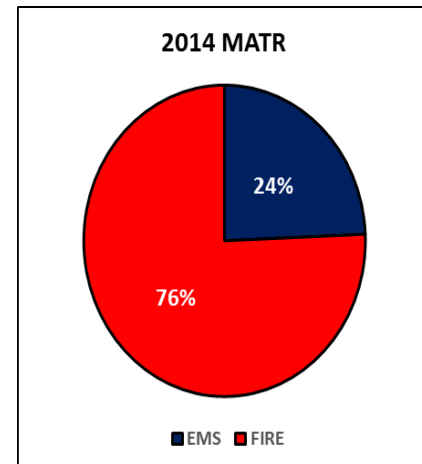
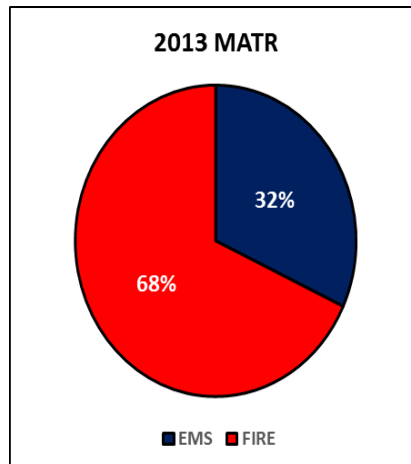
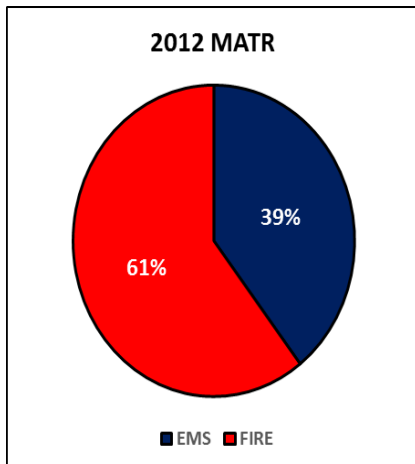
# EMERGENCY RESPONSE DATA CONTINUED

BFES remains committed to ensuring public safety based on an all hazards approach. The incident volume and incident types depict a wide variety of responses. Medical incident response has changed significantly in the past few years. As noted, 61% of our incident count is represented by responding in concert with CSPA to a variety of incidents following the Council-approved tier response agreement. With the advent of EMS TIFF in September 2013 and the data sharing agreement we have with CSPA, BFES now has appropriate combined data showing a number of benefits of the program. Figure 5 shows that consistently through 2014, BFES has improved response capability with earlier notification, accurate information, and a greater reliance on technology to appropriately assess the data that is being entered and choose when to forward the incident to fire communications. In 2015, the 60 second benchmark was achieved 97.31% of the time for emergency calls in the City of Barrie. The overall percentage achieved for all 19 clients dispatched was 95.31%.

**Figure 5: Medical Aid Tiered Response (MATR)**

		2011	2012	2013	2014
CALL VOL	EMS	46%	39%	32%	24%
	FIRE	54%	61%	68%	76%
		2011	2012	2013	2014
AVG RESP TIME	EMS	0:08:19	0:08:31	0:10:07	0:08:42
	FIRE	0:07:58	0:07:52	0:08:55	0:06:45
		2011	2012	2013	2014
VSA RESP	Total VSA	143	140	132	140
	EMS <6	26	26	53	41
	Fire <6 Mins	23	29	79	99

2011	2012	2013	2014
1746	1574	1342	1131
2085	2411	2864	3520
3831	3985	4206	4651





## EMERGENCY MANAGEMENT



Emergency Management activities focused on public education opportunities. BFES was involved in numerous events promoting emergency management and the benefits of emergency planning. The following are the highlights for the year:

- 500 staff from Hydro One provided with presentation information regarding personal and family preparedness. The presentations were part of safety training provided by Hydro One for their staff. The presentations lasted about an hour, giving the participants information about personalizing a 72 hour preparedness kit for their own family.
- We were happy to participate in Mayor Lehman's Building Municipal Resilience in Central Ontario, which focused on how climate change is impacting municipal services and future development opportunities. DC Weber provided a workshop presentation on emergency services response to climate change issues.
- Participated with Word Portraits in the 30 year anniversary event for the Barrie Tornado. We provided a short presentation to participants about preparedness and being ready for the potential for another event to occur in the future.
- Participated with City of Barrie staff training in personal preparedness with a focus on preparing a 72 hour kit and personalizing it for home and family, ensuring to include for the needs of all members of the family.
- Provided for communications strategy for Emergency Preparedness week for the first week of May.



## TRAINING

In 2015, our Training Branch delivered the BFES core training programs to all staff in addition to the many specialized technical rescue programs delivered by BFES.

BFES entered into a partnership with Innisfil Hydro to lease approximately 4 acres of land on Saunders Road for a temporary training facility. With this property secured, City Council approved a 2016 Capital Budget expenditure of \$270,000 for the purpose of land development and the acquisition of fire ground props.



Barrie Fire has developed and entered into a partnership with Georgian College and the Simcoe County Homebuilders Association to build a single family residential structure on the site. This Structure will support on site fire ground oper-

ations training using real world practical training scenarios and evolutions

This site will prove to be invaluable as the Province has moved to the NFPA Standards and we move towards competency-based training.

Our Training Branch is creating a BFES Task Manual, with updated lesson plans and a master index, which will provide all staff with access to the most current training and reference material for each discipline.

The Training Division, supported by our Shift Training instructors completed a 12



month four Module auto extrication program to over 100 staff utilizing more than 40 cars to complete the training.

Staff completed a week long Trench Rescue and Hazardous Materials operations level training certification program. Over 60 staff completed the Elevator Emergency Evacuation Training and Certification Program. This program provides staff the skills to safely execute emergency evacuation procedures in the event of an elevator emergency for first responders.

Large high-rise buildings present significant and unique challenges to fire-fighting operations. Again in 2015, our Training Division partnered with Georgian College to deliver high-rise fire-fighting training to all Operations staff at the student residence building.

Three Staff completed the training program and were certified as instructors to deliver the Road to Mental Readiness program, which is a major initiative that focuses on staff mental health wellness. All staff will receive this training in 2016.

BFES hired 8 new firefighters who participated in an 11 week advanced training program. This class was also the first group of firefighters to receive the NFPA 1035 Public Educator training.



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## CHALLENGES AND OPPORTUNITIES

BFES is a registered agency with the Commission on Fire Accreditation International. In registering, BFES joins a number of departments in Ontario that have taken a lead role in building their department based on a continuous improvement model founded on an evaluation of risk while meeting the unique needs and circumstances of the community. This is a multi-year process, which will comprehensively analyze our current operations and develop a strategic plan to mitigate the risk within our community. Significant strides forward are expected in 2016 as we begin to complete portions of the self-assessment and standards of cover, which guide our strategic planning process.

In early 2015, Council approved BFES to enter into a lease with Innisfil Hydro for a property on Saunders Road. The lease will allow BFES to have access to a local training facility for up to 8 years.

Development of the property has begun and plans are in place to make the property a fully functional live fire and technical rescue training facility in the near future. Currently, some initial site preparation has been completed and a temporary burn building has been erected. Capital funding in 2016 will enable further development of this location. The goal is to have a local facility that will enable BFES crews to train on a regular basis to ensure we meet NFPA job performance requirements and all health and safety legislation.

Fire Prevention inspection has changed significantly in the past few years. Changes in legislation regarding vulnerable occupancies have increased routine inspections that are required to be accomplished annually. This annual inspection load not only deals with the inspection, but also includes a requirement for an annual fire safety plan review, a fire drill and a fire drill review. The new vulnerable occupancy legislation accounts for hundreds of hours of staff time. In addition, we conduct over 350 complaint inspections annually and have seen an increase of overall inspection numbers to almost 1600 annually. Moreover, we are working to have Operations staff assist in our fire prevention efforts with a residential smoke and carbon monoxide alarm program.

In general, the alignment of our operations across all branches to meet the constantly evolving needs of our community while effectively managing our limited resources will be the overarching challenge. There are a number of opportunities that BFES is undertaking to address these challenges. Our staff, from the Fire Chief to those entering BFES, is committed to ensuring we operate in a sustainable and efficient manner.



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## PLANNING FOR THE FUTURE

The strategic direction of BFES will comprise of five main tenets as outlined on this page. Some examples of how we plan to achieve these strategic goals have already started and will take place over the coming years. The rapidly changing fire service coupled with the



growth and development of Barrie require our department to embrace change on a regular basis. We believe the following 5 guiding strategic principles will assist us in developing a sustainable and efficient service delivery model.

1. Community risk reduction via the 3 lines of defense:
  - Training all staff to be NFPA 1035 certified public educators
  - Completion of a comprehensive risk assessment as a part of our Commission on Fire Accreditation International process
2. Building a values driven, healthy, safe, inclusive, and respectful culture:
  - Undertaking a trial comprehensive wellness program in 2016 that incorporates medical screening overseen by an occupational physician, functional mobility assessments overseen by a registered kinesiologist and PTSD screening
  - Employing the continually evolving provincial applicant testing services process for future firefighter recruitments
3. Empowering and developing our staff:
  - Using internal staff knowledge and experience to address operational challenges
  - Training staff to NFPA standards across various disciplines
  - Managing our training records and assigned training through a web based platform
4. Demonstrating the value of the fire service via fiscal responsibility and leveraging stakeholder partnerships
  - Implementing and reviewing the Council-approved 2016-2025 Fire Master Plan
  - Completing the Center for Public Safety Excellence (CFAI) process
  - Increased revenue opportunities through our communications services and use of our training facility
5. Embracing innovation through new technology and data
  - Implementing a web based, modifiable exposure tracking program to capture biological, chemical and traumatic mental stress exposures.
  - Using analytical software to assess our deployment and response capabilities
  - Maximizing the use of our internal staffing software for time and attendance management

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# BARRIE FIRE AND EMERGENCY SERVICE

**Telephone Number 705-728-3199**



## **Station 1**

*155 Dunlop Street West,  
Barrie, ON L4N 6N9*

## **Station 2**

*15 Bell Farm Road  
Barrie, ON L4M 5G1*

## **Station 3**

*350 Big Bay Point Road  
Barrie, ON L4N 8A8*

## **Station 4**

*250 Ardagh Road  
Barrie, ON L4N 9B9*

## **Station 5**

*361 King Street  
Barrie, ON L4N 6B5*

